



Half Yearly Compliance Report

For the period April'2025-September'2025

of Environmental Clearance accorded by MoEF&CC

Vide proposal number IA/TN/IND3/288480/2017 dated 23 Sep 2022

for the Factory situated at

M/s Asian Paints Limited, Penta Division

B-5 to B-10, SIPCOT Industrial Complex,

Kudikadu Village, Cuddalore,

TamilNadu-607005





asianpaints

ASIAN PAINTS LIMITED
PENTA DIVISION
AN ISO 9001
ISO 14001 &
ISO 45001 UNIT

Corporate Identification Number (CIN) : L24220MH1945PLC004598
For Shares related queries, email to investor.relations@asianpaints.com
For Customer queries / complaints / Dealership enquiries,
email to customercare@asianpaints.com
For HR related queries, email to careers@asianpaints.com
For Media related queries, e-mail to proffice@asianpaints.com
Pan : AAACA3622K
GST No. 33AAACA3622K1Z2

Asian Paints Limited
B-5 to B-10 Sipcot
Industrial Complex,
Kudikadu Village,
Cuddalore - 607 005.
Tamil Nadu
Tel.No-04142-239248
www.asianpaints.com

APL/CDL/TNPCB/77/2025-26

25th November 2025

To

Dr. V George Jenner, IFS
Deputy Director General of Forests (C),
Ministry of Environment, Forest and Climate Change,
Regional Office, I st Floor, Additional Office Block for GPOA,
Shastri Bhawan Haddows Road, Nungambakkam,
Chennai -600006

Subject: Submission of compliance report to the Conditions stipulated in the Environmental Clearance for Asian Paints Limited, Penta Division located at B-5 To B-10, Sipcot Industrial Complex, Kudikadu Village, Cuddalore, Tamil Nadu-607005.

Respected Sir,

In accordance with our environmental clearance general condition, which states, "The project proponent shall also upload/submit six monthly reports on PARIVESH Portal on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data to the respective Integrated Regional Office of MoEF&CC. We hereby submitting half yearly compliance report for the period of April 2025-September 2025.

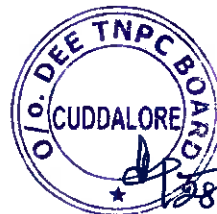
We assure you that we are committed to continuous improvement in all our activities towards environmental protection & management.

Thanking you,

Yours faithfully,

For **ASIAN PAINTS LIMITED**

S Saravanan
Manager – QA & EHS



128/11/25



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Tamil Nadu
Tel.No-04142-239248
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Copy To,

1. The Member Secretary

State Environmental Impact Assessment Authority (SEIAA) Tamil Nadu,
No.327, Metros, 9th Floor, Anna Salai, Nandanam,
Chennai - 600 035.

2. The Member Secretary

Tamil Nadu Pollution Control Board,
76, Mount Salai, Guindy,
Chennai - 600 032.

3. The Regional Director

Central Pollution Control Board,
Second Floor, BSNL Building, 40-E, Guindy Industrial Estate,
SIDCO Industrial Estate, Guindy,
Chennai – 600032.

4. The Joint Chief Environmental Engineer,

Tamil Nadu Pollution Control Board,
A-3, SIPCOT Industrial Complex,
Near SIPCOT Fire Station,
Cuddalore – 607 005.

5. The District Environmental Engineer,

Tamil Nadu Pollution Control Board,
A-3, SIPCOT Industrial Complex,
Near SIPCOT Fire Station,
Cuddalore – 607 005.



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COMPLIANCE REPORT FOR ENVIRONMENTAL CLEARANCE

Compliance to the Conditions stipulated in the Environmental Clearance for Asian Paints Limited, Penta Division issued by MOEF&CC on 29.11.2022 for the period (April 2025 to September 2025)

Reference Letter No. File No. IA-J-11011/283/2021-IA-II(D) Date: 29/11/2022

Specific Conditions:

S. No	Condition	Compliance
1.	The operating parameters shall be maintained so that the stack emissions comply with the prescribed norms i.e. PM < 50 ppm; SOx < 600 mg/Nm ³ ; NOx < 300 mg/Nm ³ . Boiler stack emissions shall be maintained as per TPP guidelines for units installed after 1st Jan. 2003 to 31st Dec. 2016	Complied We are monitoring Stack Emissions parameters through TNPCB laboratory and a MoEF&CC approved laboratory. To ensure the emission parameters are within the prescribed limits, we are conducting monthly stack monitoring test with MOEF&CC approved laboratory, and the report is being submitted to TNPCB periodically. Boiler stack emissions are maintained as per TPP guidelines. (Report enclosed as Annexure 1)
2.	Continuous online (24x7) monitoring system for stack emissions shall be provided for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB servers.	Complied. We have Continuous online monitoring system for stack emission and Continuous Ambient Air Quality Monitoring Station (CAAQMS) to measure the flue gas discharge and the pollutants concentration. We ensure uninterrupted data connectivity with the Care Air Centre, TNPCB, Chennai, in accordance with the Board's requirements. CPCB has recently launched a new portal, and the registration process is completed. Connectivity work is currently in progress (Photos enclosed as Annexure 2)
3.	Cyclone separators and Bag filters shall be provided for effective fugitive emission control. Covered pneumatic system and Silo shall be provided for transport and storage of ash.	Complied. We have provided multi-cyclone separator with Bag Filters for fugitive emission control in Boiler. Also, we have installed a covered pneumatic system and silo for transport storage of ash (Photo enclosed as Annexure 3)
4.	The transportation of materials shall be by rail/belt conveyor, to the extent feasible	Complied. Raw material and finished goods are transported by Road. Inside the factory premises, Materials are transported by belt conveyor. (Photos attached as Annexure 4)

5.	Industry shall use biomass as Primary Fuel for Boiler and only in case of shortage of Briquettes, coal/lignite may be used as secondary fuel. Further, efforts shall be made for the usage of natural gas.	Complied We are using Low ash and Low Sulphur content coal for boilers. Solid biofuel is used whenever it is feasible. We used 57.52 MT of biofuels is used for April 2025 to September 2025.
6.	The PP shall ensure that best available technology is used.	Complied Fluidized bed combustion boiler is used to maximize the fuel combustion. Spent steam from turbine is used for processing plant. After giving heat duty, saturated steam as condensate is returned to Boiler as feed water. State-of-the-art technology centrifuges are used for best technology separation process. Recycle and reuse of process materials are effectively carried out. Vapour absorption machine is used for effective refrigeration of heat transfer is implemented. RO permeate water recovered from effluent treatment plant is reused for cooling tower makeup purpose.
7.	The PP shall increase the existing greenbelt of 37% to at least 40 % of total area by planting 570 number of trees within a period of one year from grant of EC. The saplings selected for the plantation should be of sufficient height, preferably 6-ft (about 2m). The budget earmarked for the plantation shall be ₹2 Lakh and shall be kept in separate account and should be audited annually. The PP should annually submit the audited statement along with proof of activities viz. photographs (before & after with geo-location date & time), details of the expert agency engaged, details of species planted, number of species planted, survival rate, density of plantation etc. to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during the previous year.	Complied. Greenbelt is developed in and around the premises with native species, which are planted and maintained at specific intervals as per the prescribed requirements. Out of the total plot area of 10.807 hectares, approximately 6.156 hectares (about 40% of the total area) is designated as a greenbelt. 6 ft height sapling are selected and planted. We are maintaining separate account and internal auditors is auditing annually. (Photos Enclosed as annexure 5 & 6)
8.	In addition to the above, 1200 number of saplings shall be planted in the next 2 years such as avenue plantation, plantation in vacant areas, social forestry, etc.	Complied. We have planted an adequate number of saplings in and around the premises, including avenue plantations, vacant area plantations. Additional trees will be planted to further enhance green cover. 779 no's of Tree saplings are planted in Apr-Sep 2025

		Period. Photos enclosed as annexure 7.
9.	The transportation load on roads shall be within their carrying capacity and adequate width of the roads shall be maintained inside the industrial premises.	Complied. Proper and adequate width of roads maintained for transportation. Separate entry and exit gates are provided. Speed limits are implemented and controlled within the site. Enclosed as annexure 8.
10.	The treated effluent (Process & Utility) from ETP, RO and MEE shall be reused in the process and the treated effluent from the STP shall be used for green belt etc. Zero Liquid Discharge shall be maintained.	Complied The treated effluent is reused for cooling tower makeup, ensuring that our unit is maintaining zero liquid discharge system (ZLD) (Enclosed as Annexure 9). The Effluent Treatment Plant operates efficiently and continuously to achieve ZLD. Appx. 45 KLD of sewage generated from the premises is treated in the Sewage Treatment Plant and the treated sewage is utilized for greenbelt development (Enclosed as Annexure 5).
11.	Continuous monitoring of effluent quality/quantity shall be provided along with installation of web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.	Complied We continuously monitor and calibrate the online sensors for effluent parameters. We installed web cameras with night vision capability and flow meters in the channel/drain carrying effluent within the premises. (Annexure 10)
12.	The storm water from the roof top shall be channelized through pipes to the storage tank constructed for harvesting of rain water in the premises and harvested water shall be used for various industrial processes in the unit. No recharge shall be permitted within the premises. Process effluent/ any wastewater shall not be allowed to mix with storm water.	Complied We have provided two stormwater drains for rainwater harvesting within the premises. Additionally, we continuously monitor and maintain the online pH and TDS meters in these drains to ensure no chemical contamination occurs during rainfall beyond the premises (Photos enclosed as Annexure 11)
13.	Fly ash shall be utilized as per the fly ash utilization notification from time to time.	Complied Fly ash generated from the boiler is stored in the separate closed area and it is disposed through brick manufactures for further beneficial use.
14.	Distillation residue/ spent carbon shall be sent for co-processing as per Hazardous waste authorisation. Used or spent oil / waste or residue containing oil shall be sent to authorised recyclers as per Hazardous waste authorisation.	Complied. We have obtained HW Authorization vide Authorization No. 25HFC63824221 dated 27/02/2025 with valid up to 31.03.2029. Hazardous waste generated from the unit premises is properly collected, segregated and disposed to authorized TSDF/Recycler as per HW authorization obtained.

15.	Monitoring of compliance of EC conditions shall be submitted with third party audit every year.	Complied. Third party audit of EC compliance conducted in February 2025 and the report is enclosed as Annexure 12. Current FY 25-26 Audit will be submitted in next half yearly compliance.
16.	Provision of Safe drinking water supply, sanitation & medical facilities, promoting eco-friendly behaviour through use of Green Energy in schools etc. shall be done within the study area under the CER.	Complied. We have complied with the requirements and provided safe drinking water, sanitation, and medical facilities to nearby government schools, including those located in Rasapettai, Poondiyankuppam, and Sellankuppam. The details of expenditures incurred for Corporate Environmental Responsibility (CER) have enclosed as Annexure 13.
17.	A separate Environmental Management Cell (having qualified persons with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions. PP shall engage Senior Manager – Environment & Quality Assurance, Senior Executive Environment, Manger safety, safety engineer, Environment Lab Officer. In addition to this one safety & health officer as per the qualification given in Factories Act 1948 shall be engaged within a month of grant of EC. The PP should annually submit the audited statement of amount spent towards the engagement of qualified persons in EMC along with details of person engaged to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during the previous year.	Complied A dedicated Environmental Management Cell, staffed with suitably qualified personnel, has been established under the supervision of a Senior Executive, who will report directly to the Head of the Organization. Every six months amount spent statement has been submitted in half yearly compliance. (Enclosed as annexure 14).
18.	The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented. The budget proposed under EMP is ₹432 lakhs (Capital cost) and ₹681.97 lakhs (Recurring cost) shall be kept in separate account and should be audited annually. The PP should submit the annual audited statement along with proof	Complied. The environmental protection measures and safeguards proposed in the documents submitted to the ministry are being complied with. An annual audited statement, along with proof of the implementation of activities carried out during the previous year, is being maintained. The Environmental Management Plan (EMP) budget will be kept in a separate account (Account statement enclosed as annexure 06).

	of implementation of activities proposed under EMP duly supported by photographs (before & after with geo-location date & time) and other document as applicable to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during the previous year.	
19.	The total water requirement of 1694 KLD, of which fresh water requirement is 1500 KLD shall be met from SIPCOT water supply. The PP should ensure that water supply should not be above the permissible limit as mentioned in the letter and fresh water shall be withdrawn only after obtaining valid agreement from Concerned Authority. The PP should submit the details of utilization to the Integrated Regional Office (IRO), MoEF&CC before 1st July of every year for the activities carried out during the previous year.	Complied. The total water requirement of 1,694 KLD will not be exceeded at any point. The fresh water requirement is being met through SIPCOT, and it will not surpass the approved quantity. Every six months fresh water utilization has been submitting in half yearly compliance and the utilization within 1500 KLD. Fresh water utilization details enclosed as annexure 25.
20.	No banned chemicals shall be manufactured by the PP. No banned raw materials shall be used in the unit. The PP shall adhere to the notifications/guidelines of the Government in this regard.	Complied. No banned chemicals or raw materials are used or manufactured within the premises.
21.	The PP shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.	Complied. A greenbelt is being developed in and around the premises with native species, planted and maintained at specific intervals in accordance with prescribed requirements to aid in the capture of carbon emissions (Enclosed as Annexure 15)
22.	The project proponent shall comply with the environment norms for Organic Chemical Industry as notified by the Ministry of Environment, Forest and Climate Change, <i>vide</i> GSR 1241(E), dated 28.12.2018 under the provisions of the Environment (Protection) Rules, 1986.	Complied. We are complying with Organic Chemical Industry as notified by the Ministry of Environment, Forest and Climate Change, <i>vide</i> GSR 1241(E), dated 28.12.2018 under the provisions of the Environment (Protection) Rules, 1986.
23.	All necessary precautions shall be taken to avoid accidents and action plan shall be implemented for avoiding accidents. The PP shall implement the onsite/offsite emergency plan/mock drill etc. and mitigation measures as prescribed under the rules and guidelines issued in the Manufacture, Storage and Import of Hazardous Chemicals (MSHC) Rules, 1989, as amended time to time, and the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996.	Complied. We have implemented a comprehensive firefighting plan along with all required safety measures. Onsite emergency plans, including mock drills and mitigation measures, are being carried out every six months in accordance with the rules and guidelines issued by the Directorate of Industrial Safety and Health (DISH). Awareness training programs and periodic mock drills conducted regularly (Enclosed

		as Annexure 16)
24.	The volatile organic compounds (VOCs)/Fugitive emissions shall be controlled at 99.97 % with effective chillers/modern technology. Regular monitoring of VOCs shall be carried out.	Complied The inventories are maintained with bare minimum quantity to run the unit on continuous basis. All the precautions are complied as per toxic hazardous storage rules. With technology like dynamic wet scrubber, dust collector & bag filter VOCS / fugitive emissions are controlled. Regular monitoring of VOCs are carried out by MOEF&CC approved laboratory and ROA of same is periodically submitted to TNPCB (Enclosed as Annexure 17)
25.	The storage of toxic/hazardous raw material shall be bare minimum with respect to quantity and inventory. Quantity and days of storage shall be submitted to the Regional Office of Ministry and SPCB along with the compliance report.	Complied. Toxic/ Hazardous chemical and raw material stored in separate tanks with adequate capacity maintained within the storage limit. Quantity and inventory details are submitted in half yearly compliance report regularly (Enclosed as Annexure 18)
26.	The occupational health centre for surveillance of the worker's health shall be set up. The health data shall be used in deploying the duties of the workers. All workers & employees shall be provided with required safety kits/mask for personal protection.	Complied OHC is available at site. Periodical medical examination of the workers conducted and records are maintained. The workers were provided with personnel protective measures such as masks, gloves, boots etc. and usage is monitored through work permit system. (Enclosed as annexure 19 & 27)
27.	Training shall be imparted to all employees on safety and health aspects for handling chemicals. Safety and visual reality training shall be provided to employees. Action plan for mitigation measures shall be properly implemented based on the safety and risk assessment studies.	Complied Adequate training has been provided to all employees on safety and health aspects related to chemical handling. Hazardous areas are managed exclusively by trained personnel. The action plan for mitigation measures has been implemented and is being maintained to ensure safety and minimize risks (Enclosed as annexure 16)
28.	The unit shall make the arrangement for the protection of possible fire hazards during manufacturing process in material handling. Fire-fighting system shall be as per the norms.	Complied A firefighting plan and all required safety measures have been implemented in accordance with established norms. Additionally, an automatic water sprinkler system, foam pourer, and deluge valve-controlled sprinkler system have been installed (Enclosed as Annexure 16)
29.	The solvent management shall be carried out as follows: (a) Reactor shall be connected to chilled brine condenser system. (b) Reactor and solvent handling pump shall have mechanical seals to prevent leakages. (c)	Complied a. Reactor vent is connected to the common vent collection system. b. Mechanical seal is available in all

	Solvents shall be stored in a separate space specified with all safety measures. (d) Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done. (e) Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses. (f) All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation.	c. Chemicals like acetaldehyde and methanol stored in separate storage tanks with adequate safety measures such as dyke valve, SRV's, Rupture disk, Level indicators, LEL detectors, break away couplings. d. Proper earthing system is available. e. Flame proof electrical fittings provided. Breather valve installed in the storage tank. f. Storage tank vent is connected the common vent collect system.
30.	The volatile organic compounds (VOCs)/Fugitive emissions shall be controlled at 99.97 % with effective chillers/modern technology. Regular monitoring of VOCs shall be carried out.	Complied. Latest technologies deployed to control VOC emissions in the process. We are periodically conducting Ambient TVOC/THC surveys through a TNPCB laboratory or a NABL-accredited laboratory. The Results of Analysis have been regularly submitted to the Tamil Nadu Pollution Control Board (Enclosed as Annexure 14)
31.	The PP shall undertake waste minimization measures as below (a) Metering and control of quantities of active ingredients to minimize waste; (b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. (c) Use of automated filling to minimize spillage. (d) Use of Close Feed system into batch reactors. (e) Venting equipment through vapour recovery system. (f) Use of high pressure-hoses for equipment cleaning to reduce wastewater generation.	Complied. a. All ingredients to process are added through measurement devices like magnetic flow meter and load cell. b. Unreacted raw materials recovered and reused in the process to avoid wastages. c. All ingredients to process are added through a measurement devices like magnetic flow meter load cell and only required quantity of the material taken for consumption. Control valves with inter locks installed to automatically stop the inputs to avoid spillages. d. All inputs to the process are closed loop system compressing of pumps, valves, flow measurement devices and pipelines. e. Common vent collection system available to collect and to reuse the vent. f. High pressure hose is used for cleaning operations and the water is reused in the process and by this waste water generation is

	eliminated.
32.	The activities and the action plan proposed by the project proponent to address the issues raised during the public hearing as well as the related socio-economic issues in the study area shall be completed as per the schedule presented before the Committee and as described in the EIA report in letter and spirit. Complied. Public Hearing is exempted as the industry falls in notified industrial area however, activities and action plants as proposed in EIA report being complied.

GENERAL CONDITIONS:

S. No	Condition	Compliance
1.	No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Complied. In case any changes in the project we will apply for fresh appraisal. Environmental protection measures all are implemented and maintained continuously.
2.	The Project proponent shall strictly comply with the rules and guidelines issued under the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996, and Hazardous and Other Wastes (Management and Trans - Boundary Movement) Rules, 2016 and other rules notified under various Acts.	Complied. On site emergency plan available. Mock drill conducted once in six month. Internal Safety audit conducting annually. Hazardous waste stored and disposed as per Hazardous Waste Management Rules 2016.
3.	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.	Complied. We are using CFL/LED lamps for lighting inside our campus. (Photos enclosed as Annexure 20)
4.	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers,	Complied Noise level within the project site around the plant area being maintained as per the CPCB guidelines during Day/Night time.

	enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Greenbelts developed to attenuate the noise. The acoustic enclosures are installed for reducing the noise levels and the noise monitoring survey is conducting periodically. (Report enclosed as Annexure 21).
5.	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. The activities shall be undertaken by involving local villages and administration. The company shall undertake eco-development measures including community welfare measures in the project area for the overall improvement of the environment.	Complied. We have been actively working to improve the socio-economic conditions of the surrounding area. Renovations of four ponds in nearby villages have been completed, and the company operates four health centers in Kudikadu, Karaikadu, Pachaiyankuppam and Echangadu villages. We are committed to further enhancing the socio-economic conditions of nearby villages (Annexure 13)
6.	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.	Complied. We ensure the funds designated for environmental management and pollution control measures are not diverted for others purposes. The costs associated with the Environmental Management Plan (EMP) account statement is enclosed as annexure 11.
7.	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.	Complied A copy of the environmental clearance has been sent to the local body and is available for reference at any time (Enclosed as annexure 22)
8.	The project proponent shall also submit six monthly reports on PARIVESH portal on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Integrated Regional Office of MOEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six-monthly compliance status	Complied. The compliance report on EC conditions, along with monitored data, has been submitted in the Parivesh portal. Additionally, hard and soft copies have been sent to the IRO of MOEF&CC, Chennai, and TNPCB. The same is uploaded on the company website. (Enclosed as annexure 23).

	report shall be posted on the website of the company.	
9.	The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Integrated Regional Office of MOEF&CC by e-mail.	Complied The environmental statement (Form V) for each financial year FY 2024-2025 submitted to the TNPCB, MOEF&CC and uploaded on website with EC Compliance. (Enclosed as Annexure 24).
10.	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry and at https://parivesh.nic.in/ . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	Complied. We have advertised our environmental clearance in both Tamil and English local newspapers. A copy of the newspaper advertisement has been submitted to the Tamil Nadu Pollution Control Board/ Regional Office of the Ministry (Enclosed as annexure 25)
11.	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Duly Noted
12.	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.	Duly Noted
13.	The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental	Duly Noted

	clearance, if implementation of any of the above conditions is not found satisfactory.	
14.	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.	Duly Noted
15.	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Duly Noted
16.	The above conditions shall be enforced, <i>inter-alia</i> under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.	Duly Noted



Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)

To,

The ASSOCIATE GENERAL MANAGER
ASIAN PAINTS LIMITED
ASIAN PAINTS LIMITED, PENTA DIVISION, B5 TO B10, SIPCOT
INDUSTRIAL COMPLEX, KUDIKADU VILLAGE, CUDDALORE, TAMIL
NADU,, Cuddalore, Tamil Nadu-607005

**ENVIRONMENTAL
CLEARANCE**

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity under the provision of EIA Notification 2006-regarding

Sir/Madam,

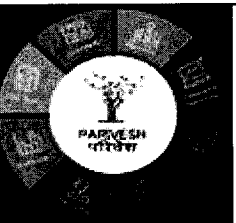
This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the Ministry vide proposal number IA/TN/IND3/288480/2017 dated 23 Sep 2022. The particulars of the environmental clearance granted to the project are as below.

1. **EC Identification No.** **EC22A021TN152664**
2. **File No.** **IA-J-14014/283/2021-IA-II(I)**
3. **Project Type** **Expansion**
4. **Category** **A**
5. **Project/Activity including Schedule No.** **5(f) Synthetic organic chemicals industry (dyes & dye intermediates; bulk**
6. **Name of Project** **Expansion of Pentaerythritol from 730 MTM to 1500 MTM, Sodium Formate from 480 MTM to 1050 MTM and Formaldehyde from 675 MTM to 1800 MTM and Captive Power Plant from 1.5 MW to 3.5 MW in Manufacturing**
7. **Name of Company/Organization** **ASIAN PAINTS LIMITED**
8. **Location of Project** **Tamil Nadu**
9. **TOR Date** **21 Dec 2017**

The project details along with terms and conditions are appended herewith from page no 2 onwards.

Date: 29/11/2022

(e-signed)
Mr. Motipalli Ramesh
Scientist E
IA - (Industrial Projects - 3 sector)



Note: A valid environmental clearance shall be one that has EC identification number & E-Sign generated from PARIVESH. Please quote identification number in all future correspondence.

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File No. IA-J-11011/283/2021-IA II(I)
Government of India
Ministry of Environment, Forest and Climate Change
Impact Assessment Division
(Industry-3)

Indira Paravaran Bhawan,
Jorbagh Road,
New Delhi – 110003.

Dated: 28th November, 2022

To

The Associate General Manager,
Asian Paints Limited, Penta Division,
B5 To B10, Sipcot Industrial Complex,
Kudikadu Village, Cuddalore District, Tamil Nadu-607005.
Email: s.senthilkumaran@asianpaints.com
Tel. No: 04142- 239423

SUB.: Expansion of Pentaerythritol from 730 MTM to 1500 MTM, Sodium Formate from 480 MTM to 1050 MTM and Formaldehyde from 675 MTM to 1800 MTM and Captive Power Plant from 1.5 MW to 3.5 MW in Manufacturing Units located at Penta Division at Plot No. B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore Taluk, Cuddalore District, Tamil Nadu by M/s Asian Paints Limited - Environmental Clearance.

REF.: Your proposal No. IA/TN/IND3/288480/2017, Dated: 23rd Sep. 2022, on the above subject matter.

Sir/Madam,

1. The project-bearing proposal no. IA/TN/IND3/288480/2017 is for the environmental clearance for Expansion of Pentaerythritol from 730 MTM to 1500 MTM, Sodium Formate from 480 MTM to 1050 MTM and Formaldehyde from 675 MTM to 1800 MTM and Captive Power Plant from 1.5 MW to 3.5 MW in Manufacturing Units located at Penta Division at Plot No. B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore Taluk, Cuddalore District, Tamil Nadu by M/s Asian Paints Limited.
2. The project/activity is covered under Category 'B' of item 5(f) (Synthetic organic chemicals industry (dyes & dye intermediates; bulk drugs and intermediates excluding drug formulations synthetic rubbers; basic organic chemicals, other synthetic organic chemicals and chemical intermediates) of Schedule of Environment Impact Assessment (EIA) Notification, 2006 (as amended). However, since the project site is located in a severely polluted area, as per the O.M. dated 31st October 2019, the project is considered as Category 'A' at Centre.
3. The PP applied for the ToR vide proposal number IA/TN/IND3/219681/2021 dated 10.1.2022 and the ToR was issued by the Ministry, vide letter No. IA-J-11011/283/2021-IA-II(I) dated 10.1.2022. The PP reported that Public Hearing was exempted as it is located in the notified industrial area designated by SIPCOT. The PP applied for Environment Clearance on 12.8.2022 in Form-2 and submitted the EIA/EMP Report and other documents. The PP reported in Form-2 that it is an **Expansion EC**. Due to some shortcomings, the project was referred back to PP on 23.8.2022, 22.9.2022, 22.9.2022 and

reply to the same was submitted on 10.9.2022, 22.9.2022, 23.9.2022. The proposal was placed in 39th EAC Meeting held on 29-30th September, 2022, wherein the Project Proponent and an accredited Consultant, ABC Techno Labs India Pvt. Ltd. [Accreditation number NABET/EIA/1922/RA0155 valid up to 7.11.2022] made a detailed presentation on the salient features of the project and informed the following:

4. The PP reported that the proposed land area is 11.82 Ha and no R&R is involved in the Project. The details of products are as follows:

S. No.	Product Details (complete name)	CAS NO.	Existing Quantity (Metric Tonnes per month)	Proposed Quantity (Metric Tonnes per month)	Total Quantity (Metric Tonnes per month)
1	Pentaerythritol (Powder Solution) &	115-77-5	730	770	1500
2	Sodium Formate (Powder & solution)	141-53-7	480	570	1050
3	Formaldehyde (100% concentration)	50-00-0	675	1125	1800

5. The PP reported that there is no violation case as per the Notification No. S.O.804(E) dated 14.03.2017 and no direction is issued under E(P) Act/Air Act/Water Act.
6. The PP reported that certified compliance report has been issued by the IRO, Chennai vide F.No.EP/12.1/2021-22/SEIAA/11/TN dated 12.10.2021. Most of the conditions are complied and a few generic conditions are agreed to comply.
7. The PP reported that National Green Tribunal (South Zone) in the judgement dated 4th May 2022, has dismissed the appeal citing that there is no merit in the appeal and cleared that the EC is considered valid and the appeal fails.
8. The PP reported that there are no National Parks, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc. within 10 km distance from site. Gadilam River – 0.5 Km (E) Bay of Bengal – 1.9 Km (E), Capper Hills Lake – 4.5 Km (NE) Perumal Lake – 8.8 Km (SE) and no Schedule-I species exist within 10 km study area of the project.
9. The PP reported that the ambient air quality monitoring was carried out at 8 locations during 5th April 2021 to 26th June 2021 and the baseline data indicates the ranges of concentrations as: PM₁₀ (41.0-70.0 µg/m³), PM_{2.5} (19.0-34.0 µg/m³), SO₂ (5.8-14.2 µg/m³) and NO₂ (12.9-23.6 µg/m³). The AAQ modeling study for point source emissions indicates that the maximum incremental GLCs after the proposed project would be 71.29 µg/m³, 19.06 µg/m³ and 24.03 µg/m³ with respect to PM₁₀, SO_x and NO_x. The resultant concentrations are within the National Ambient Air Quality Standards (NAAQS). The ambient **noise** level monitoring was carried out at 8 locations and the baseline data indicates the ranges of daytime noise levels as 47.5 – 63.2 dB(A) and Night time noise levels as 42.7 – 53.6 dB(A). The **ground water** quality monitoring was carried out at 8 locations during 27th May 2021 to 28th May 2021 and the baseline data indicates the ranges of pH varied from 7.58 to 8.04. TDS varied between 266 to 2648 mg/l. Total Hardness varied from 117 mg/l to 820 mg/l. Chloride varied from 68 mg/l to 1253 mg/l and Nitrate varied from 2 to

17 mg/l. Heavy metals like Arsenic, Manganese, Chromium, Lead, Mercury, and Cadmium were found to be below detection limit at all locations. Total coliform found to be <2 to 4 MPN/100ml. The **surface water** quality monitoring was carried out at 8 locations during 27th May 2021 to 28th May 2021 and the baseline data indicates the ranges of pH varied from 7.76 to 8.22. Turbidity varied between 1.8 to 14 NTU. TDS varied from 231 to 32278 mg/l. BOD found between <2 mg/l to 5.4 mg/l. Dissolved Oxygen varied from 4.5 mg/l to 5.9 mg/l. Heavy metals like Chromium, Mercury and Lead were found to be below detection limit at all locations. Total Coliform count varies between 80 to >1600 MPN/100ml. **Soil** quality monitoring was carried out at 8 locations during 25th May 2021 to 28th May 2021 and the baseline data indicates the ranges of pH varied from 7.51 to 8.41. Electrical conductivity found within a range from 0.17 to 1.02 mS/cm. The texture of soil is predominantly clay in most of the places with loamy sand in some locations. Available Nitrogen ranged from 159 kg/ha to 264 kg/ha, Potassium ranged from 272 ha to 560 kg/ha, Available Phosphorus ranged from 18.8 kg/ha to 42.4 kg/ha. Soil organic content varied from 0.5% to 0.87%, which indicates moderate fertility.

10. The PP reported that the total water requirement is 1694 KLD of which fresh water requirement is 1500 KLD and will be met from SIPCOT water supply. The total effluent generated would be 295 KLD (Process & Utility – 250; Domestic – 45). The treated effluent (Process & Utility) of 194 KLD from ETP, RO and MEE will be reused in the process and the treated effluent from the STP (41 KLD) will be used for green belt etc. The plant will be based on Zero Liquid Discharge.

11. The PP reported that the power requirement will be met using the proposed in-house 3.5 MW Captive Power Plant. Additional power requirement will be met from TNEB & Diesel generator in case of emergency. Existing unit has DG sets of 1 no. of 500 kVA & 1 no. of 600 kVA capacity, additionally DG sets are used as standby during power failure. Stack (12m) will be provided as per CPCB norms to the proposed DG sets.

12. **Details of process emissions generation and its management:** Point sources emission of pollutant into air from the proposed project after expansion will be through the dryers, DG sets which run on HSD and the boilers (34 TPH), which operate on coal/lignite/biomass and through process vents. Adequate stack height of DG set will be maintained and Multi cyclone with wet scrubber will be installed at dryers, Multi cyclone separators and bag filters to boilers to control pollutant emission under norms. Solvent recovery system will be related to VOC control system and finally to activated carbon adsorption system to avoid release any solvent vapours/fumes in the atmosphere. There may be possible VOC emissions from the process and the control measures adopted is tank vents are connected to blower suction. The proposed air emissions generated from the above process will be treated in the existing Air Pollution Control (APC) Systems. The adequacy of the existing APCs will be sufficient for the proposed activities as they will be APC facilities will be part of new facilities.

13. **Details of Solid and Hazardous Waste Generation and its Management:** The hazardous waste generated from the site/process units consist of used/spent oil from maintenance activities. The wastes will be classified as per the Hazardous and Other Wastes (Management and Trans boundary Movement) Rules, 2016 and Solid Waste Management Rules 2016 and be collected, stored, treated and disposed as per rules.

S. No.	Hazardous Waste Type	Category	Quantity		Mode of disposal
			Existing	Expected Quantity (after expansion)	
1	ETP Sludge (TPA)	35.3	172	355	TSDF Gummidipoondi/ any Cement industry
2	Waste from Lime (TPA)	20.4	0	850	TSDF / any cement industry
3	Used or spent oil (TPA)	5.1	0.9	2.6	To authorized recyclers
4	Wastes or residues containing oil (TPA)	5.2	0.3	2.2	To authorized recyclers
5	Spent Carbon (TPA)	36.2	7.78	16	To authorized waste processing agency / cement industry
6	Distillation residue (TPA)	20.3	2640	6000	Authorized agency for co fuel manufacture
7	Spent Ion exchange resin (TPA)	35.2	9.6	19.75	TSDF
8	Spent solvent Motherliquor (TPA)	20.2	0	1000	Co fuel in Boiler/ authorized agency
9	Spent solvent- Recovered Methanol from off gas (TPA)	20.2	0	100	Co fuel in Boiler
10	Asbestos-containing residues (TPA)	15.2	0	20	TSDF

Details of Solid Waste Generation Details and Disposal Methods

S. No.	Waste type	Quantity (Tons/Annum)		Mode of disposal	Physical status
		Existing	After Expansion		
1	Used HDPE bags	5.2	15.0	Registered recycler	Solid
2	Used filter clothes	3.0	7.0	Registered recycler	Solid
3	Canteen Waste/biodegradable	1.0	5.0	Onsite composting for green belt	Solid
4	Wooden scrap / brokenpallet	4.2	10.0	Domestic usage	Solid
5	Paper Waste	0.5	5.0	Municipal agency	Solid
6	Plastic bag / Plastic	0.5	10.0	Registered recycler	Solid
7	Waste				
8	Used insulation material	4.1	20	TSDF	Solid
9	Miscellaneous Garbage, Broken packaging	1.0	10.0	Registered recycler	Solid

14. The **Budget** earmarked towards Environmental Management Plan (EMP) is ₹432 lakhs (capital) and the Recurring cost (operation and maintenance) will be about ₹681.97 lakhs per annum. Industry proposes to allocate ₹17 lakhs towards CER.
15. The PP reported that Public Hearing is exempted since the project site is located in the notified Industrial area.
16. The PP reported that APL-Penta Division will continue to maintain existing green belt in the plant premises which is about 37% (43722.2 sq.m) with survival rate of 75-80%. Also developed 0.85 Acres (3540 sq.m) of area as Garden and lawn which accounts for about 2.92%. Total 12894 no.s of trees are present within the plant premises as green belt with a spacing of 2.0 x 2.0 m. APL-Penta Division also planted about 1405 trees outside plant premises from 2018 under Corporate Environmental Responsibility (CER).
17. The PP proposed to set up an Environment Management Cell (EMC) by engaging Senior Manager – Environment & Quality Assurance, Senior Executive Environment, Manager safety, safety engineer, Environment Lab Officer for the functioning of EMC.
18. The PP submitted that the total GHG emissions estimated for Existing operations under Scope 1, Scope 2 and Scope 3 are 44572.1 tCO₂ eq./Annum and for additional expansion the total GHG emissions estimated are 47666 tCO₂ eq./Annum. Thus, Total GHG Emissions from both existing operations and additional expansion will be: **92238.1 tCO₂ eq/ Annum**. APL-Penta Division implemented several activities which lead to reduction in thermal and power consumption for manufacturing process and utilities. For existing operations, Net GHG emission Reduction is estimated to be 2704.63 tCO₂ eq./Annum and for additional expansion will be 5786.4 tCO₂ eq./Annum. Thus, Total GHG emission reduction will be 8491.03 tCO₂ eq./Annum. Reduction in CO₂ emission due to process schemes and Carbon sequestration will be 8777.03 tCO₂ eq./Annum. Total Carbon Footprint of the Penta plant activities after expansion has been estimated as 92238.1 tCO₂ eq./Annum. Total Carbon Footprint with mitigations (Process emission reduction and Carbon Sequestration) will be 83461.07 tCO₂ eq./Annum. Thus, GHG reduction will be about 9.52% after expansion.
19. The PP submitted the disaster and Onsite and Offsite Emergency Plans in the EIA report.
20. The cost for the proposed expansion is estimated at INR **16.43 Crores** The existing manpower is 123 Nos. However, additional manpower is anticipated up to 17 Nos.

21. Deliberations by the EAC

The EAC constituted under the provisions of the EIA Notification, 2006 comprising Expert Members/domain experts in various fields, examined the proposal submitted by the PP in desired format along with the EIA/EMP reports prepared and submitted by the Consultant accredited by the QCI/NABET on behalf of the PP.

The EAC noted that the PP has given an undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP reports. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the PP.

The EAC noted that the EIA reports are in compliance of the ToR issued for the project, reflecting the present environmental status and the projected scenario for all the environmental components. The EAC deliberated on the proposed mitigation measure towards Air, Water, Noise and Soil pollutions. The EAC suggested that the storage of toxic/explosive raw

materials/products shall be undertaken with utmost precautions and following the safety norms and best practices.

The EAC inter-alia, deliberated on and sought the following:

- Compliance of Ministry's O.M. dated 31.10.2019 regarding mitigation measures for projects located in CPAs and SPAs
- Methodology adopted for estimation of Carbon Sequestration.
- Justification for inclusion of captive power plant in the proposal since it was not mentioned in the ToR.
- Justification for reduction in fresh water requirement.

The PP submitted the same and EAC found it to be satisfactory.

The EAC also deliberated on the Onsite and Offsite Emergency plans and also the various mitigation measures proposed during implementation of the project and advised the PP to implement the provisions of the Rules and guidelines issued under the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, and the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996, as amended from time to time.

The EAC deliberated on the proposal with due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC found the proposal in order and recommended for grant of environmental clearance. The MoM of 39th EAC were confirmed (with correction) in the 40th EAC meeting held on 18th – 19th October, 2022. The MoM are available on PARIVESH.

The EAC is of the view that its recommendation and grant of environmental clearance by regulatory authority to the project/activity is strictly under the provisions of the EIA Notification 2006 and its subsequent amendments. It does not tantamount / construe to approvals / consent / permissions etc. required to be obtained or standards / conditions to be followed under any other Acts / Rules / Subordinate legislations, etc., as may be applicable to the project. The PP shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.

22. Based on the proposal submitted by the PP and recommendations of the EAC (Industry-3 Sector), the Ministry of Environment, Forest and Climate Change hereby accords Environmental Clearance for “*Expansion of Pentaerythritol from 730 MTM to 1500 MTM, Sodium Formate from 480 MTM to 1050 MTM and Formaldehyde from 675 MTM to 1800 MTM and Captive Power Plant from 1.5 MW to 3.5 MW in Manufacturing Units located at Penta Division at Plot No. B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore Taluk, Cuddalore District, Tamil Nadu by M/s Asian Paints Limited*” under the provisions of the EIA Notification, 2006, subject to the compliance of terms and conditions as under:-

A. Specific Conditions:

- (i) The operating parameters shall be maintained so that the stack emissions comply with the prescribed norms i.e. PM < 50 ppm; SOx < 600 mg/Nm³; NOx < 300 mg/Nm³. Boiler stack emissions shall be maintained as per TPP guidelines for units installed after 1st Jan. 2003 to 31st Dec. 2016.

- (ii) Continuous online (24x7) monitoring system for stack emissions shall be provided for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB servers.
- (iii) Cyclone separators and Bag filters shall be provided for effective fugitive emission control. Covered pneumatic system and Silo shall be provided for transport and storage of ash.
- (iv) The transportation of materials shall be by rail/belt conveyor, to the extent feasible.
- (v) Industry shall use biomass as Primary Fuel for Boiler and only in case of shortage of Briquettes, coal/lignite may be used as secondary fuel. Further, efforts shall be made for the usage of natural gas.
- (vi) The PP shall ensure that best available technology is used.
- (vii) The PP shall increase the existing greenbelt of 37% to at least 40 % of total area by planting 570 number of trees within a period of one year from grant of EC. The saplings selected for the plantation should be of sufficient height, preferably 6-ft (about 2m). The budget earmarked for the plantation shall be ₹2 Lakh and shall be kept in separate account and should be audited annually. The PP should annually submit the audited statement along with proof of activities viz. photographs (before & after with geo-location date & time), details of the expert agency engaged, details of species planted, number of species planted, survival rate, density of plantation etc. to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during the previous year.
- (viii) In addition to the above, 1200 number of saplings shall be planted in the next 2 years such as avenue plantation, plantation in vacant areas, social forestry, etc.
- (ix) The transportation load on roads shall be within their carrying capacity and adequate width of the roads shall be maintained inside the industrial premises.
- (x) The treated effluent (Process & Utility) from ETP, RO and MEE shall be reused in the process and the treated effluent from the STP shall be used for green belt etc. Zero Liquid Discharge shall be maintained.
- (xi) Continuous monitoring of effluent quality/quantity shall be provided along with installation of web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.
- (xii) The storm water from the roof top shall be channelized through pipes to the storage tank constructed for harvesting of rain water in the premises and harvested water shall be used for various industrial processes in the unit. No recharge shall be permitted within the premises. Process effluent/ any wastewater shall not be allowed to mix with storm water.
- (xiii) Fly ash shall be utilized as per the fly ash utilization notification from time to time.
- (xiv) Distillation residue/ spent carbon shall be sent for co-processing as per Hazardous waste authorisation. Used or spent oil / waste or residue containing oil shall be sent to authorised recyclers as per Hazardous waste authorisation.
- (xv) Monitoring of compliance of EC conditions shall be submitted with third party audit every year.
- (xvi) Provision of Safe drinking water supply, sanitation & medical facilities, promoting eco-friendly behaviour through use of Green Energy in schools etc. shall be done within the study area under the CER.

- (xvii) A separate Environmental Management Cell (having qualified persons with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions. PP shall engage Senior Manager – Environment & Quality Assurance, Senior Executive Environment, Manager safety, safety engineer, Environment Lab Officer. In addition to this one safety & health officer as per the qualification given in Factories Act 1948 shall be engaged within a month of grant of EC. The PP should annually submit the audited statement of amount spent towards the engagement of qualified persons in EMC along with details of person engaged to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during the previous year.
- (xviii) The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the ELA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented. The budget proposed under EMP is ₹432 lakhs (Capital cost) and ₹681.97 lakhs (Recurring cost) shall be kept in separate account and should be audited annually. The PP should submit the annual audited statement along with proof of implementation of activities proposed under EMP duly supported by photographs (before & after with geo-location date & time) and other document as applicable to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during the previous year.
- (xix) The total water requirement of 1694 KLD, of which fresh water requirement is 1500 KLD shall be met from SIPCOT water supply. The PP should ensure that water supply should not be above the permissible limit as mentioned in the letter and fresh water shall be withdrawn only after obtaining valid agreement from Concerned Authority. The PP should submit the details of utilization to the Integrated Regional Office (IRO), MoEF&CC before 1st July of every year for the activities carried out during the previous year.
- (xx) No banned chemicals shall be manufactured by the PP. No banned raw materials shall be used in the unit. The PP shall adhere to the notifications/guidelines of the Government in this regard.
- (xxi) The PP shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.
- (xxii) The project proponent shall comply with the environment norms for Organic Chemical Industry as notified by the Ministry of Environment, Forest and Climate Change, *vide* GSR 1241(E), dated 28.12.2018 under the provisions of the Environment (Protection) Rules, 1986.
- (xxiii) All necessary precautions shall be taken to avoid accidents and action plan shall be implemented for avoiding accidents. The PP shall implement the onsite/offsite emergency plan/mock drill etc. and mitigation measures as prescribed under the rules and guidelines issued in the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, and the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996.

- (xxiv) The volatile organic compounds (VOCs)/Fugitive emissions shall be controlled at 99.97 % with effective chillers/modern technology. Regular monitoring of VOCs shall be carried out.
- (xxv) The storage of toxic/hazardous raw material shall be bare minimum with respect to quantity and inventory. Quantity and days of storage shall be submitted to the Regional Office of Ministry and SPCB along with the compliance report.
- (xxvi) The occupational health centre for surveillance of the worker's health shall be set up. The health data shall be used in deploying the duties of the workers. All workers & employees shall be provided with required safety kits/mask for personal protection.
- (xxvii) Training shall be imparted to all employees on safety and health aspects for handling chemicals. Safety and visual reality training shall be provided to employees. Action plan for mitigation measures shall be properly implemented based on the safety and risk assessment studies.
- (xxviii) The unit shall make the arrangement for the protection of possible fire hazards during manufacturing process in material handling. Fire-fighting system shall be as per the norms.
- (xxix) The solvent management shall be carried out as follows: (a) Reactor shall be connected to chilled brine condenser system. (b) Reactor and solvent handling pump shall have mechanical seals to prevent leakages. (c) Solvents shall be stored in a separate space specified with all safety measures. (d) Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done. (e) Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses. (f) All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation.
- (xxx) The volatile organic compounds (VOCs)/Fugitive emissions shall be controlled at 99.97 % with effective chillers/modern technology. Regular monitoring of VOCs shall be carried out.
- (xxxi) The PP shall undertake waste minimization measures as below (a) Metering and control of quantities of active ingredients to minimize waste; (b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. (c) Use of automated filling to minimize spillage. (d) Use of Close Feed system into batch reactors. (e) Venting equipment through vapour recovery system. (f) Use of high pressure-hoses for equipment cleaning to reduce wastewater generation.
- (xxxii) The activities and the action plan proposed by the project proponent to address the issues raised during the public hearing as well as the related socio-economic issues in the study area shall be completed as per the schedule presented before the Committee and as described in the EIA report in letter and spirit.

B. General Conditions:

- (i) No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.

- (ii) The Project proponent shall strictly comply with the rules and guidelines issued under the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996, and Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016 and other rules notified under various Acts.
- (iii) The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.
- (iv) The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
- (v) The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. The activities shall be undertaken by involving local villages and administration. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
- (vi) The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.
- (vii) A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.
- (viii) The project proponent shall also upload/submit six monthly reports on PARIVESH Portal on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data to the respective Integrated Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.
- (ix) The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Integrated Regional Office of MoEF&CC by e-mail.
- (x) The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry and at <https://parivesh.nic.in/>. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.
- (xi) The project authorities shall inform the Regional Office as well as the Ministry, the date

of financial closure and final approval of the project by the concerned authorities and the date of start of the project.

- (xii) This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.
23. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.
24. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.
25. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
26. The above conditions shall be enforced, *inter-alia* under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

This issues with approval of the competent authority.

(Dr. Motipalli Ramesh)
Scientist 'E'

Copy to:-

1. The Deputy Director General of Forests (C), Ministry of Environment, Forest and Climate Change, Regional Office (SEZ), 1st and 2nd Floor, Handloom Export Promotion Council, 34, Cathedral Garden Road, Nungambakkam, Chennai-34.
2. The Principal Secretary to Government, Department of Environment, Climate Change and Forests, Government of Tamil Nadu, No. 1, Jeensis Road, Panagal Building, Ground Floor, Saidapet, Chennai-600 015.
3. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi - 32
4. The Member Secretary, Tamil Nadu Pollution Control Board, 76, Mount Salai, Guindy, Chennai - 600 032.
5. The Member Secretary, Central Ground Water Authority, Jannagar House, 18/11, Man Singh Road Area, New Delhi, Delhi 110001
6. The District Collector, Cuddalore District, Tamil Nadu.
7. Guard File/Monitoring File/PARIVESH.

(Dr. Motipalli Ramesh)
Scientist 'E'
Tel. 011-20819249
Email: ramesh.motipalli@nic.in

Signature Not Verified

Digitally signed by Mr. Motipalli

Ramesh

Scientist E

Date: 11/29/2022 4:41:13 PM

Compliance to the Conditions stipulated in the Environmental Clearance for Asian Paints Limited – at B5-B10 SIPCOT Industrial Complex, Kudikadu village, Cuddalore Taluk, Cuddalore District issued by SEIAA on 24.04.2018 for the period (April 2025 to September 2025)

Reference Letter No. SEIAA/TN/F.6495/5(D)/EC-60/2018 dated 24.04.2018

(A) Specific Conditions:

S.No	Condition	Compliance
1	It is Mandatory for the Project Proponent to furnish to the SEIAA, half yearly Compliance report in hard and soft copies on 1 st June and 1 st December of each calendar year in respect of the conditions stipulated in the prior Environmental Clearance issued.	Complied. We have submitted half yearly compliance with respect of the conditions stipulated in Environmental Clearance to the SEIAA. Submitted covering letter enclosed as annexure 23.
2	Consent for Establishment shall be obtained from Tamil Nadu pollution Control Board and a copy of the same shall be furnished to the SEIAA, Tamilnadu before start of project construction activity at the site.	Complied. We have obtained Consent to operate Expansion for our unit as expansion is based predominantly on de-bottlenecking. Latest CTO No: 2407262689206 dated:30/10/2024 is enclosed as Annexure 28.
3	The implementation of Environmental management plan in regard to the treatment and disposal of sewage & Effluent, Solid waste management, Hazardous – Waste Management, and CSR activities should be carried out, as proposed and committed. Regular monitoring should be carried out during operation phases.	Complied. We confirm that the implementation of Environmental management plan regarding the treatment and disposal of sewage & Effluent, Solid waste management, Hazardous Waste Management are being done as committed (Enclosed as Annexure 29,30,31). The CSR activities are being carried out and Health centres are operated in Kudikadu, Karaikadu, Eechangadu & Pachayankuppam. (Annexure 13) All sewage effluents are treated in Sewage Treatment Plant within our unit. Treated water is used for gardening purposes.

		We have valid Hazardous waste authorization upto 31 st March 2029 and wastes are sent to TNPCB authorized agencies.
4	The residue collected from the evaporator shall be documented by maintaining proper register and it should be made available at the time of inspection.	Complied. We here-by confirm that the details of residue collected from the evaporator is documented in register. A copy is enclosed for reference. (Annexure 32)
5	Adequate dust extraction system such as ducting with dust extracting arrangement wherever required shall be established to achieve occupational – health standards and ambient air quality standards.	Complied. Adequate dust extraction system such as ducting with dust extracting arrangement is already available in TECHPENTAERYTHRITOL, Mono PENTAERYTHRITOL, DI PENTAERYTHRITOL & Sodium Formate driers (Annexure 33). The unit is having Continuous Ambient Air Quality monitoring station for monitoring the ambient air quality standards, the online VOC monitors are installed and the same are connected to CARE AIR center photo is enclosed as Annexure 17.
6	The proponent shall carryout best housekeeping practices as spillage management for handling and maintenance of raw materials and products inside the unit premises.	Complied. Chemicals like acetaldehyde and methanol stored in separate storage tanks with adequate safety measures such as dyke valve, SRV's, Rupture disk, Level indicators, LEL detectors, break away couplings. All ingredients to process are added through a measurement devices like magnetic flow meter load cell and only required quantity of the material taken for consumption. Control valves with inter locks installed to automatically stop the inputs to avoid spillages.

7	Nature of chemicals Handled, the Do and Don'ts shall be displayed at all vital locations as laid down in MSDS.	Complied. Nature of chemicals Handled, the Do and Don'ts has been displayed at all vital locations as laid down in MSDS. (Annexure 34)
8	The proponent shall ensure that the quantity of Hazardous Waste handed over to the TSDF shall match with the quantity generated.	Complied. All Hazardous Waste generated are disposed to the TSDF and records are available. The quantity generated is handed over to TSDF and submitting form 10 to TNPCB monthly. (Annexure 35)
9	The proponent shall provide a separate closed area earmarked for storing solid waste including Hazardous Waste as proposed.	Complied. We state that, a dedicated closed shed has been established for storing solid waste and Hazardous Waste. (Annexure 36)
10	The proponent shall dispose Hazardous Waste generated as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Spent oil from D.G sets should be stored in HDPE drums in an isolated covered facility and disposed off through TNPCB registered recyclers.	Complied. All Hazardous Wastes have been disposed as per the Hazardous and other Wastes (Management and transboundary Movements) Rules. 2016 Spent oil from DG sets is being stored in drums in an isolated hazardous waste storage shed facility and disposed through TNPCB authorized recyclers. (Annexure 36)
11	The Plastic wastes shall be segregated and disposed as per the provisions of Plastic Waste (Management & Handling) Rules 2016	Complied. We state that, generated plastic wastes are being segregated and disposed as per the provisions of Plastic Waste (management & handling) rules 2016 to authorized registered recycler – M/s Jeeva Enterprises, Vandalur, Chennai.
12	The e - waste generated should be collected and disposed to a nearby authorized e-waste center as per e waste (Management & Handling), Rules 2016 as amended.	Complied. We state that, generated e-waste is being collected and it is disposed to authorized e-waste registered recycler and batteries are purchased as buy back policy from the vendor.

13	The Municipal solid waste generated shall be collected, segregated and disposed as per Solid Waste Management Rules,2016.	Complied. Generated municipal solid waste is being collected, segregated as biodegradable and non-bio-degradable waste and disposed as per Solid Waste Management Rules,2016.
14	The industry shall conduct air sampling at least once in six months for the general core parameters (PM10, PM2.5,SOx, NOX) through TNPCB/NABL Accredited Laboratory and maintain records of the same and it should be made available at the time of inspection.	Complied. We confirm that, we are conducting AAQ survey (PM10, PM2.5, SOx, NOx) by TNPCB Lab /NABL accredited Laboratory monthly. We ensure that the results are with-in the TNPCB permissible limit. (Annexure 37)
15	Regular monitoring on the air quality, water quality and noise on the selected locations in and around the project site as mentioned in the EMP report for creating base line data shall be continued and records shall be maintained.	Complied. We confirm that, we are carrying out air quality, water quality and noise monitoring on the selected locations of the factory premises periodically through TNPCB and through external Lab. Reports enclosed as Annexure 37,38, & 39.
16	A separate environment and safety management cell with qualified staff shall be set up before establishment of the facility and shall be retained throughout the lifetime of the industry, for implementation of the stipulated environmental safeguards.	Complied. A separate environment and safety management cell with Qualified Safety Officer, chemists and Managers has been established for the implementation of the stipulated environment safeguards. This team is continuously available. (Annexure 14)
17	The Green belt area already developed within the project area shall be properly maintained.	Complied. We here by confirm that we have developed and maintaining a Green belt area about 40% within the premises. Photos are enclosed as Annexure 5.
18	The industry shall promote tree plantation to neutralize their carbon footprint. The industry shall engage regularly in afforestation programme.	Complied. We confirm that we had planted and maintaining 18127 trees inside the factory premises. The industry is

		engaging regularly in afforestation programme within and beyond the fence as per the SPCOT requirements. Greeneries Photo attached. In the period of April 2025 to September 2025, we have planted 779 tree saplings. Photos are enclosed as Annexure 5 & 7.
19	The proponent shall ensure effective risk management strategy regarding confined space management to avoid risk while handling raw materials, products in the process area and storage.	Complied. All the hazards and risks related to confined space management, handling of raw materials & products are identified. Systems and procedures have been established and followed for mitigating identified risks. Established systems are periodically assessed by competent person regarding Confined space management. (Annexure 27).
20	The industry shall conduct air sampling at least twice in a week (104 times in a year), as stipulated under EP Act 1986.	Complied. We confirm that air sampling survey is being carried out twice in a week (104 times in a year), as stipulated under EP Act 1986. (Annexure 37).
21	Risk cum disaster management plan should be in place in the industry premises at all times.	Complied. We confirm that the Risk cum disaster management plan is available in the industry premises at all times in the Emergency control center (Annexure 40)
22	Water conservation scheme including rainwater harvesting measures to augment ground water resources shall be implemented so as to collect and reuse the entire rainwater harvested as a supplement to fresh water.	Complied. We state that water conservation scheme including rainwater harvesting including roof water has been implemented in the factory premises (Annexure 11)
23	The natural drainage pattern in the project area shall be maintained and storm water drain along the boundary and appropriate - places shall be provided considering -the Catchment area and maximum intensity of	Complied. We confirm that adequate and suitable storm water drains were provided in the factory premises considering the Catchment area and maximum

	rainfall to collect runoff water/rainwater for proper disposal to avoid flooding around the premises.	intensity of rainfall and the runoff water/rainwater collected for proper disposal to avoid flooding around the premises. (Annexure 11)
24	The Environmental Clearance is issued without prejudice to any order that may be passed by the Hon'ble NGT/ Hon'ble High Court of Madras.	Noted
25	All the assurances given in EIA and EMP shall be adhered to strictly.	Noted. We state that we have been abiding by the said conditions.
26	Detail study shall be carried out by engaging accredited agencies / reputed institutions for Risk management and detailed Disaster management plan prepared for compliance.	Complied. We confirm that Risk and Disaster management study has been carried out by accredited agency and suitable plan has been prepared and complied. (Annexure 40)
27	Sufficient funds should be provided for Disaster management.	Complied. We assure that the sufficient funds are provided for Disaster management plan for every year. Valid Public Liability Insurance is available (Annexure 41)
28	The Project Proponent shall provide disinfection by UV system for the sewage treatment plant for treating the sewage before applying on land for gardening.	Complied. We state that UV disinfection system has been provided for our existing sewage treatment plant (Annexure 42)
29	The project proponent must provide closed loop silo for ash handling and the same shall be installed before 30.05.2018 as committed-and submit the proof to SEIAA-TN,	Complied. We confirm that Closed loop silo for ash handling has been installed and it is operational condition (Annexure 43)
30	The project proponent shall provide sufficient ventilation (air circulation) in the hazardous waste storage yard where the hazardous waste like spent carbon, Chemical sludge, used or spent oil are being kept.	Complied. We confirm that sufficient ventilation (air circulation – 1 no. of vent) has been provided in the hazardous waste storage yard where the hazardous waste like spent carbon, Chemical

		sludge, used or spent oil are being kept. (Annexure 44)
31	The industry should completely revamp fly ash collection from the source, conveyance, storage and disposal in a more scientific manner and to reduce the fugitive emissions in fly ash handling. The final disposal of the fly ash will be as per MoEF & CC Notification S.O. 254 (E) dated: 25th January 2016.	Complied. The system has been revamped. We state that the generated fly ash is collected in a closed system (SILO) instead of manual collection. The fly ash is disposed as per MoEF & CC Notification S.O. 254 (E) dated: 25th January, 2016 and amendment hence forth (Annexure 43)
32	The Project Proponent shall carry out-safety audit in the different operating zones of the plant at least once in a year and the same shall be considered as base for reviewing the unsafe conditions during the plant safety meeting.	Complied. We confirm that the safety audit is being conducted once in a year by competent person and reviewing the unsafe conditions during the plant safety meeting. (Annexure 16)
33	The Project Proponent shall prepare a code of practice for safe operation for educating the safety standards to the work force deployed in the plant through appropriate training by the concerned experts.	Complied. We confirm that we are having safety manual/SOP for every process and training being imparted to all the employees for safe handling of chemicals as well as for safe operations (Annexure 45)
34	As the plant operation involves the sensitive processing, the medical officer and the supporting staff involved in the health center activities shall be trained in occupational health surveillance (OHS) aspects through the outsourced training from the experts available in the field of OHS for ensuring the health standard of persons employed.	Complied. We state that our factory medical officer and the supporting staff (3 Nos.) is being involved in the occupational health center activities and has been trained in occupational health surveillance (OHS) aspects as per Tamil Nadu Factories Rules 1950. (Annexure 19)
35	The Activity of the industry should no way pollute water bodies such as Uppanar River, Perumal Lake & Bay of Bengal.	Complied. We confirm that in no way the activity of the industry pollute the nearby water bodies such as Uppanar river, Perumal lake & Bay of Bengal. We have Zero liquid discharge system. All treated water is being reused.

36	The Activity of the industry should not impact on agricultural, irrigation system and mangroves surrounding the area.	Complied. We confirm that we have provided and maintaining the air and water pollution control/prevention equipment's as per the condition of the TNPCB consent order. Our manufacturing activities do not affect nearby agricultural, irrigation system and mangroves surrounding the area.
37	The EMP cost of Rs.576 lakhs and operation and maintenance cost Rs. 23.6 lakhs shall be deposited in a nationalized bank by opening a separate account and the head wise expenses statement shall be submitted to TNPCB with a copy to SEIAA annually.	Complied. We confirm that we maintain a separate bank account (A/c no.: 37888950027, State Bank of India, O.T, Cuddalore) for expenses related to implementation of Environment Management Plan. Our corporate office has approved dedicated budget for improvement of the existing Environment management programme. In half yearly compliance report we are submitting bank account statement once every six months to TNPCB & SEIAA. Bank statement is enclosed Annexure 6.
38	There should be no threat to Biodiversity due to the operation of the industry.	Noted & Complied. 1. Biodiversity with birds with natural habitat in the green belt maintained. Different tree varieties are planted (Calophyllumminophyllum-Pungan 2. Syzygiumcumini- Naval 3. Thespesiapopulnea- Poovarasu 4. Terminalia arjuna- Neernarudu 5. Ficusbengalensis — Alamaram 6. Ficusretusa- Aththi 7. Ficusbengalensis- Arasamaram 8. Alstoniascholaris- Palai 9. Mimuspopselengi - Mahilam 10. Madhucalongifolia - Ihupai

39	The Flora & Fauna present in and around the project site should not get affected due to the activity as reported.	Complied. Garden is maintained. We confirm that the Flora & Fauna present in and around the factory premises are in good condition. They will not get affected due to our manufacturing operation. Sparrow, Wood pecker, Parrot, Myna, king fisher, different species of sparrows are present.
40	The Project Proponent has to provide rain water harvesting collection tank to the capacity of 200 cu.m in order to recover and reuse the rain water during normal rains.	Complied. We state that we had provided rain water harvesting tank of 200 cu.m capacity within the plant. We also have 20000 cum rain water harvesting facility beyond the fence (in Sedapallam, Agraharathu Eri, T Palayam, Krishnankuppam, Annavallithangal, Kambankulam)
41	The operation of the activity should not Impact on the soil, micro flora & Fauna present in and around the project site.	Complied. We state that the operation of the activity has no Impact on the soil, micro flora & Fauna present in and around the Factory premises.
42	The project proponent shall carry out' risk assessment process for all the operations involved in the plant and a suitable, risk; management plan showing the contours of sensitive zones should be prepared.	Complied. We confirm that we had carried out a detailed Quantitative Risk assessment showing the contours of sensitive zones by competent person for all the operations involved in the plant. The recommended points have been implemented (Annexure 16)

43	The industry shall develop green belt in the open areas by planting the following species in future: 1. Calophylluminophyllum-Pungan 2. Syzygiumcumini- Naval 3. Thespiapopulnea- Poovarasu 4. Terminalia arjuna- Neernarudu 5. Ficusbengalensis — Alamaram 6. Ficusretusa- Athi 7. Ficusbengalensis- Arasamararam 8. Alstoniascholaris- Palai 9. Mimuspopselengi - Mahilam 10. Madhucalongifolia - Ihupai	Complied. We state that we had developed 18127 trees in the factory premises.
44	The project proponent shall take up better housekeeping measures including scraps disposal and up keeping the machineries, pipes etc.	Complied. Asian Paints is adhering with the better Housekeeping practice for housekeeping. Scrap disposal is regularly done. Machinery upkeep is regularly done.
45	The proponent should continuously monitor the VOC and ensure that VOC levels are within permissible limits.	Complied. We confirm that we had already installed online VOC monitoring system in our plant for continuous monitoring and the same is connected to CARE AIR CENTRE, TNPCB, GUNNDY We maintain VOC levels within the permissible limit. Photos enclosed as annexure 17.

46	Air pollution control — there are four sources of air emissions within the industry process-Tech PE drier, Sodium formate drier, Mono drier and Di PE drier. 1. From the Tech PE drier, particulates of Pentaerythritol will be emanating which will be controlled in a bag filter and finally emitted to the environment through a stack. There will be increase in the pollutant load from 1.33 kgs/ day to 1.72 kgs/day and hence additional bag filter capacity should be created. 2. From the Sodium formate drier, suspended particulate matter will be emitted which is sent to wet scrubber and then to the stack. The existing scrubber should be replaced with a new one. 3. From both Mono PE drier and Di PE drier, SPM will be emitted which is sent to wet scrubber and then to stacks. There is an increase in the amount of pollutant, but the proponent should increase the efficiency of the scrubber to absorb the additional pollutant load.	Complied. We ensure that the air pollution control system has been established in the following locations. 1. The existing TECH PE Drier bag filter capacity has been increased from 74.30 m² to 75.46 m² thereby capable to handle pollution load to 1.72 Kgs / day. 2. The low-capacity wet scrubber has been replaced with higher capacity wet Scrubber there by improving the scrubbing efficiency as recommended. 3. The existing wet scrubber scrubbing liquid flow rate has been increased as mentioned below by which the scrubbing efficiency has got increased by which the emission levels got reduced. 1. Mono PE Scrubber – 6 litres per minute (lpm) to 6.5 lpm 2. Di PE Scrubber – 7.5 lpm to 8 lpm.
47	The project proponent has to provide/ install the following -before 30.04.2018 as committed and furnish proof of the same to SETAA-TN : 1. The Sewage sludge bed capacity should be increased from 5.27 m³ to 10.5 m³. 2. The sludge drying bed 2. Nos should be provided in additional to the existing Sludge drying bed for managing sludge . 3. The agreement with hazardous waste management and disposal facilities shall be made including the quantum of hazardous waste and the life period.	Complied. We confirm that we have installed the below mentioned activities before 30.04.2018: 1. We state that the sludge bed capacity has been increased from 5.27 m³ to 10.5 m³ as recommended. 2. We state that the existing 2 nos. of open type sludge bed has been provided as closed type solar drying bed by covering with UV stabilized sheet there by the drying capacity/efficiency has got

	increased, which meets the said requirement. 3. We are commissioned sludge handling facilities like Filter press and screw press in Financial year 23-24. 4. The agreement has been amended for the quantum of Hazardous waste with life period.
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(B) General Conditions

S.No	Condition	Compliance
1	This Environment clearance shall not be cited to relax any other rules applicable to this project	Noted.
2	The project proponent should advertise at least in two local newspapers widely circulated. One of which shall be in the vernacular language of the locality concerned within 7 days of the issue of the Environmental clearance informing that the project has been accorded Environmental clearance and a copy of the clearance letter is available with TNPCB and also at the website of the SEIAA. TN at Http://www.seiaa.tn.gov.in	Complied. Information on accordance of the Environment clearance to the project has been published in two local newspapers (Annexure 25)
3	A copy of the Environmental clearance shall be sent by the project proponent to concern local body and local NGO, if any from whom suggestions/ representatives if any were received while processing the proposal.	Complied. A copy of the Environment clearance has been submitted to local body and local NGO. (Annexure 22)
4	The Environmental clearance shall also be put on the website of the company	Complied. The Environment clearance has been published in Company web site (https://www.asianpaints.com/about-us.html).
5	No expansion or modernization in the project shall be carried out without prior approval of the SEIAA – TN. In case of any deviations or alterations in the project proposal from those	Noted

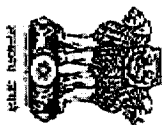
	submitted to this authority for clearance, a fresh reference shall be made to the SEIAA – TN to assess the adequacy of conditions imposed and to add additional environmental protection measures required if any	
6	All the environmental protection measures and safeguards as recommended in the EIA report shall be complied with	Complied. All Environmental protection measures and safeguards are complied.
7	The implementation of the project vis a vis environmental action plans shall be monitored by the Regional office of MoEF & CC at Chennai TNPCB and CPCB six monthly compliance status report shall be submitted to monitoring agencies regularly	Complied. Half yearly compliance report is being submitted once in 6 months as per the timelines (Annexure 23)
8	Data on ambient air, stack and fugitive emissions shall be regularly submitted online to the Regional office of MoEF & CC, GOI at Chennai, TNPCB and central Pollution control board as well as hard copy once in six months and display data on RSPM, SO2 and Nox outside the premises at the appropriate place for the general Public.	Complied. The data on ambient air, stack and fugitive emissions are being submitted once in six months (Annexure 23). Data on SPM, SO2 and Nox are displayed near the factory gate for the general Public (Annexure 46)
9	Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per the factories act.	Complied. Occupational health surveillance of the workers is being carried out on regular basis and records are maintained as per the factories act. (Annexure 19).
10	Proper housekeeping and cleanliness must be maintained within and outside plant	Complied. Housekeeping is being done inside and outside the plant. (Annexure 47).
11	Occupational health surveillance programme shall be undertaken as regular excise for all the employees, especially for those engaged in handling hazardous substances. The first aid facilities in the occupational health center shall be strengthened and the medical records	Complied. Occupational health surveillance programme is being undertaken for all employees specifically for those engaged in handling hazardous substances. The occupational health

	of each employee should be maintained separately.	center is equipped with full-fledged first aid facilities and the medical records of the employees are being maintained. (Annexure 19).
12	The overall noise levels in and around the plant area shall be kept well within the standards prescribed for by providing noise control measures including acoustic hoods, silencers, enclosures etc., on all the sources of noise generation. The ambient noise levels should conform to the standard prescribed under EPA rules, 1989 viz 75 dBA (Day time) and 70 dBA (Nighttime)	Complied. The Overall noise levels in and around the plant area are maintained well within the standards by providing required noise control measures such as acoustic enclosures, silencers on all sources of noise generation. Ambient noise levels were measured by TNPCLab and all the measured values are within permissible limits. (Annexure 38)
13	The actual CSR funds utilized in future should at least be 2% of the annual profit but not less than Rs.33.60 Lakh per annum	Complied. The CSR activities were carried out and completed as per the commitment of not less than 33.60 Lakhs per annum. Details are enclosed as annexure 13. All the amounts spent are more than 2% of the annual profit.
14	A separate environmental Management cell equipped with full-fledged laboratory facilities to carry out the various environmental management and monitoring functions shall be set up under the control of a senior executive.	Complied. A separate environmental Management cell equipped with full-fledged laboratory facilities to carry out the various environmental management and monitoring functions is available. (Annexure 14)
15	The requisite amount earmarked towards capital cost and recurring cost / annum for implementing pollution control measures shall be used judiciously to implement the environment management plan as furnished in the EIA report. The funds so provided shall not be diverted for any other purpose.	Noted

16	The project proponent shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the regional office of the MoEF, CC, GOI at Chennai the respective zonal office of CPCB and the SPCB. The criteria pollutant levels namely RSPM,SO ₂ , Nox (Ambient levels as well as stack emissions) or critical sector parameters, indicated for the projects shall be monitored and displayed at convenient locations near the main gate of the company in the public domain.	Complied. The status of compliance of the stipulated environmental clearance conditions, including the results of the monitored data are uploaded in the website and simultaneously sent to the regional office of MoEF & CC, respective zonal office. The pollutant levels namely SPM,SOX,NOX (Ambient levels as well as stack emissions) are monitored and displayed near the main gate of the company in the public domain. (Annexure 23,46).
17	The environmental statement for each financial year ending 31 st march in form V as is mandated to be submitted by the project proponent to the concerned state pollution control Board as prescribed under the Environment (protection) Rules 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the respective regional offices of the MoEF by e mail.	Complied. The environment statement for each financial year ending 31 st March in Form V is being submitted to the concerned state pollution control Board as prescribed under the Environment(Protection)Rules 1986, as amended subsequently and also published in the company website along with the compliance of environmental conditions and the same is being sent to the respective regional offices of the MoEF & CC. (Annexure 24)
18	The environmental Clearance is valid for 7 years from the date of issue	Noted.
19	Environmental clearance is being issued without prejudice to the action initiated under Environment (Protection) Act 1986 or any court case pending or any other court order shall prevail	Noted.
20	The SEIAA TN may alter/modify the above conditions or stipulate any further condition in the interest of Environment protection	Noted.

21	The SEIAA/SEAC or any competent authority may suitably add any further conditions on receiving reports from the project authority. The above condition shall be monitored by the Regional office of MoEF located at Chennai.	Noted.
22	The SEIAA TN may revoke or suspend the Environmental clearance, if implementation of any other above conditions is not satisfactory	Noted.
23	The SEIAA, TN may cancel the environmental clearance granted to this project under the provisions of EIA notification, 2006, if, at any stage of the validity of this Environmental Clearance, if it is found or if it comes to the knowledge of this SEIAAAA, TN that the project proponent has deliberately concealed and or submitted false or misleading information or inadequate data or submitted misleading information or inadequate data for obtaining the Environmental clearance.	Noted.
24.	Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) act 1986.	Noted.
25	This SEIAA – TN reserves the right to stipulate additional conditions if found necessary. The industry in a time bound manner shall implement these conditions	Noted.
26	The above conditions will be enforced inter alia , under the provisions of the water (Prevention & Control of pollution) Act 1974, the air (Prevention and control of pollution) Act 1981, The Environment protection act 1986, the public Liability insurance Act 1991, along with their amendments draft minor mineral conservation & development rules – 2010 framed under MMDR Act 1957, national commission for protection of Child	Noted.

	Right Rules 2006 and rules made there under and also any other orders passed by the hon'ble supreme court of India Hon'ble High Court of Madras and any other courts of law relating to the subject matter.	
27	Any appeal against this environmental clearance shall lie with the Hon'ble national green tribunal, if preferred, within a period of 30 days as prescribed under section 16 of the National Green Tribunal Act 2010.	Noted.



THIRU A.V. VENKATACHALAM.I.F.S
MEMBER SECRETARY

STATE LEVEL ENVIRONMENT IMPACT
ASSESSMENT AUTHORITY - TAMIL NADU

3rd Floor, Panagal Maaligai,
No.1 Jeevis Road, Saidapet,
Chennai-15,
Phone No.044-24359973
Fax No. 044-24359975

ENVIRONMENTAL CLEARANCE (EC)

Letter No. SEIAA/TN/F. 6495/SD/EC - 60/2018 dated: 24.04.2018.

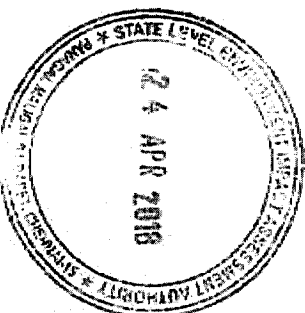
To

The General Works Manger
Asian Paints Limited
Pentia Division
B5-B10, Sipcot Industrial Complex,
Kudikadu Village,
Cuddalore – 607005.

Sir,

Sub: SEIAA -TN –Environmental Clearance-Expansion in production of
Pentaerythritol and Sodium Formate by M/s. Asian Paints Limited in their
existing plant at Plot No. B5 – B 10, SIPCOT Industrial Complex, Kudikadu
Village, Cuddalore, Tamil Nadu - Category - "B1" and Schedule 5(I)-Synthetic
Organic Chemical Industry (Dyes and Dye Intermediate)under the EIA
Notification, 2006–Issued-Regarding.

- Ref: 1. ToR issued by MoEF&CC F.No.J-110111/181/2017-IA-II(I) dated 21.12.2017.
2. EIA report submitted for Environment Clearances dated: 25.01.2018.
3. Lt. No.SEIAA-TN/F.No. 6495/2018 dated: 08.02.2018.
4. Proponent reply letter dated 14.02.2018.



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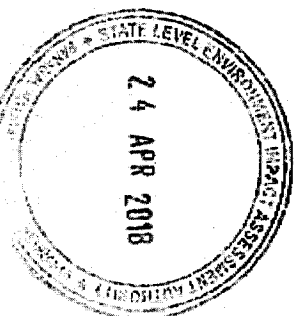


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5. Minutes of the 103rd SEAC meeting held on 24.02.2018.
6. Minutes of the 104th SEAC meeting held on 19.03.2018.
7. Lr. No.SEIAA-TN/F.No. 6495/SEAC/2018 dated: 22.03.2018.
8. Proponent reply letter dated 05.04.2018.
9. Minutes of the 286th SEIAA meeting held on 16.04.2018.
10. Proponent reply letter dated 20.04.2018.
11. Minutes of the 290th SEIAA meeting held on 23.04.2018.
12. Minutes of the 291st SEIAA meeting held on 24.04.2018.

1. This has reference to your application dated 25.01.2018 and subsequent communication on the above mentioned subject by M/s. Asian Paints Limited for Expansion in production of Pentaerythritol and Sodium Formate in their existing unit for obtaining Environmental Clearance for the proposed Expansion in production of Pentaerythritol from 560 MTM to 730 MTM (Powder and Solution form) and Sodium Formate from 336 MTM to 480 MTM (Powder and Solution form) at Plot No. B5 – B 10, SIPCOT Industrial Complex, Cuddalore. Tamil Nadu under Item No. 5(f) – ‘ Synthetic Organic chemicals Industry (dyes & dyes intermediate; bulk drugs and intermediates excluding drug formulation; Synthetic rubbers; basic Organic Chemicals, other synthetic organic chemicals and chemical intermediates (located in a notified industrial area/estate) &Category ‘B1’ of the Schedule to the EIA Notification, 2006.

2. The Proponent, M/s. Asian Paints Limited, has applied to MoEF& CC, Govt. for Terms of Reference for the proposed Expansion in production of Pentaerythritol from 560 MTM to



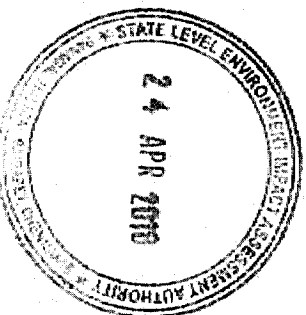
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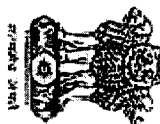
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730 MTM (Powder and Solution form) and Sodium Formate from 336 MTM to 480 MTM (Powder and Solution form) at Plot No. B5 – B 10, SIPCOT Industrial Complex, Cuddalore, Tamil Nadu.

3. In response to the application. Terms of Reference (ToR) was issued vide file. No. J-11011/181/2017-IA-II (I) dated: 21.12.2017 by MoEF& CC. Public hearing was exempted as per section 7(i), (iii) stage (3). Para (i)(b) of EIA Notification, 2006, and request to submit the EIA/EMP report to the SEIAA for grant of Environmental Clearance.
4. Based on the ToR issued by the MoEF& CC, the proponent prepared the EIA report and submitted the same to SEIAA on 25.01.2018. The proposal (EIA report) was placed in the 103rd meeting of the SEAC held on 24.02.2018. Accordingly, the SEAC decided to make an inspection and based on the outcome of the inspection, SEAC will take a decision regarding the grant of EC to the industry. The technical team inspected the site on 03.03.2018 and submitted a report on 12.03.2018. The technical team, based on the site inspection and discussion with the proponent at the site has requested the proponent to furnish additional particulars/proposals. Accordingly, the proponent has submitted the additional particulars/proposals to the technical team on 12.03.2018. After the perusal of the additional particulars/proposals, the inspection report was placed in the 104th Meeting of SEAC held on 19.03.2018. Based on the recommendations of the technical team, the SEAC decided to recommend the proposal for the grant of Environmental Clearance to SEIAA – TN subject to certain conditions.
5. The subject was placed before 286th SEIAA Meeting held on 16.04.2018. The Authority called for certain additional details and the proponent has submitted the additional



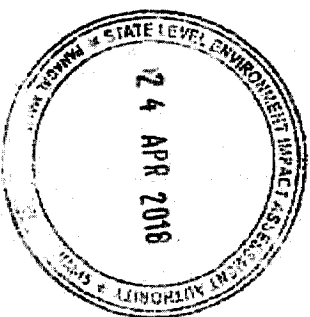
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particulars/proposals to the SEIAA on 05.04.2018 and SEIAA after careful consideration decided to issue Environmental Clearance in its 291th meeting held on 24.04.2018 vide Item No. 291-01 subject to terms and conditions stipulated under the provisions of Environment Impact Assessment Notification, 2006 as amended based on the Information submitted by you which are extracted below:

1	(i) Name of the Project:	(i) Proposed Expansion in production of Pentaerythritol from 560 MTM to 730 MTM (Powder and Solution form) and Sodium Formate from 336 MTM to 480 MTM (Powder and Solution form) at Plot No. B5 - B 10, SIPCOT Industrial Complex, Cuddalore, Tamil Nadu by M/s. Asian Paints Limited
	(ii) Date of Application:	(ii) 25.01.2018.
2	Name of Sector: Schedule No(in the EIA Notification.2006)	Schedule S.No. 5(i) of Category "B1" - Synthetic Organic chemicals Industry (dyes & dyes intermediate; bulk drugs and intermediates excluding drug formulation; Synthetic rubbers; basic Organic Chemicals, other synthetic organic chemicals and chemical intermediates (located in a notified industrial area/estate).
3.	New Project/ Expansion	Expansion
4	Name of the Applicant/Project Proponent	M/s. Asian Paints Limited
	(i) Project	Plot No. B5 - B 10. SIPCOT Industrial Complex, Kudlikaddu

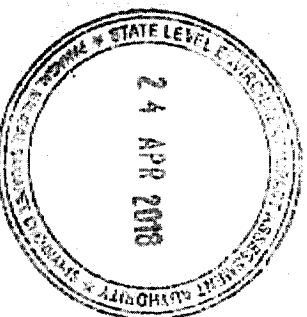


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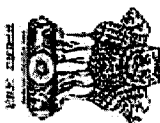


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5		Village: Cuddalore, Tamil Nadu
	(ii) Co-ordinates (lat-long) of all four corners of the site	11040°58.66"N, 79045°07.07"E 11040°52.60"N, 79045°04.98"E 11040°50.07"N, 79045°12.15"E 11040°56.01"N, 79045°14.26"E
	(iii) Whether any GO attracted	No.
6	(i) Area of the Site(in Hectares)	29.2 acres (11.8 Ha) (No Additional land is required for the proposed expansion)
	(ii) Land use are (in Ha)	Total Land Area 29.2 acres (11.8 Ha)
		Plotted industrial area 5.6 acres (2.27 Ha)
		Green belt area 15.7 acres (6.35 Ha)
		Roads 2.6 acres (1.05 Ha)
		Lawn and garden 5.3 acres (2.14 Ha)
8	Land use Classification as per Record	Industrial area - SIPCOT Industrial Estate.
9	TOR issued? (If yes then	Yes. Terms of Reference (ToR) was issued vide File No. J-

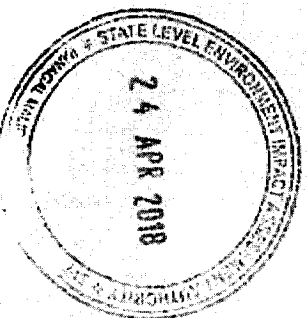


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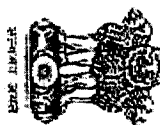


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	specify the details)	11011/18/2017-IA-II (I) dated: 21.12.2017 by MoEF& CC. Public hearing was exempted as per section 7(i), (iii) stage (3). Para (i)(b) of EIA Notification, 2006, and request to submit the EIA/EMP report to the SEIAA for grant of Environment Clearance.		
10	Project Cost (after expansion)	Rs. 4.8 Crores		
11	Distance from Protected areas/Critically Polluted areas/Eco-Sensitive areas/Inter-State Boundaries.	Cuddalore industrial area has been notified by CPCB as critically polluted area, and moratorium was imposed. However, due to various action implemented by SPCB, the moratorium in this area has been lifted based on the office memorandum vide letter number J-11013/5/2010-IA.II(I) dated 25.11.2016 by MoEF& CC		
12.	Production Details	Products manufactured (In Powder & Solution Form)	Existing production TPM	Production expansion TPM
		Pentaerythritol	560	730
		Sodium Formate	336	480
13	Manufacturing Process	The increase in production capacity is envisaged through, Process Modification, Process Automation, Reliability Improvement, Debottlenecking Activities.		

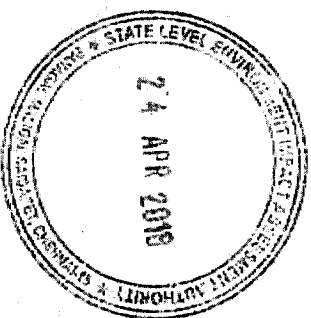


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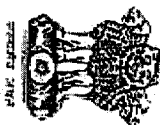


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	The reactor is the heart of the plant where Pentaerythritol is formed. The reaction is a batch process. Pentaerythritol is produced in a reactor by the reaction of calculated quantity of Formaldehyde, Acetaldehyde and Caustic Soda Lye in water. The mole ratio of Formaldehyde to Acetaldehyde determines the composition of the Pentaerythritol. The mole ratio of Caustic to Acetaldehyde determines the quantity of Sodium Formate formed. Also, Caustic Soda Lye acts as a Catalyst for the reaction. The reaction is the Aldol condensation of Aldehydes and Cannizzaro reaction. The reaction is carried out in dilute phase with very high excess presence of water. Initially, a predetermined quantity of known strength of Formaldehyde solution in water is prepared in the reactor. This solution is cooled to 20 deg. C and predetermined quantity of Acetaldehyde and Caustic are added over a period of 38 minutes. The reaction being exothermic, the temperature is controlled to reach a value of 45 to 48 deg. C during the reaction period of 38 minutes. Pentaerythritol, Di Pentaerythritol and Sodium Formate is formed along with small quantity of Formals. The entire reaction takes place in aqueous environment. After completion of reaction the excess 85% water present along with the product is removed through various unit operations viz. Stripping, Multiple effect Evaporation, Crystallization,
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	purification, separation and drying. The reactor product is fed to the stripper to remove the traces of un-reacted Methanol & Formaldehyde present in the process stream for recovery and reuse. The stripper product is then fed continuously to the five-effect evaporator where the Concentration is increased upto 60%. The water evaporated from Evaporator is reused in the process. The concentrated mixture is then fed to Crude Vacuum Crystallizer which causes the Pentaerythritol (PE) product to crystallize and precipitate, keeping the Sodium Formate in liquid form. Subsequent to filtration in Crude Belt filter, the precipitated PE is separated from the filtrate Crude Mother Liquor (CML) containing the bulk of Sodium Formate. The PE cake is re-slurried and re-dissolved. The PE solution is then passed through the deionizer in order to reduce the Sodium Formate slippages and through Carbon column for color removal. This solution is stored in a tank called Pure Pentaerythritol Solution Tank. Depending on the grade to be manufactured, the solution is then transferred either to the Pure Vacuum Crystallizer or to the Tech Dissolver in the Mono and Di Pentaerythritol section of the plant. Sodium Formate: The filtrate from Crude Belt Filter (CBF) is stored in a Tank and fed continuously to the Sodium Formate Evaporator cum
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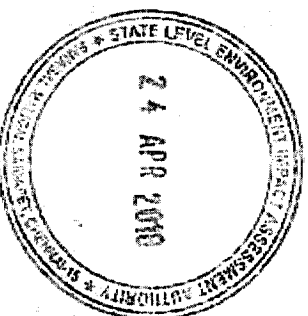


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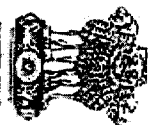


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		Crystallizer. The Sodium Formate crystals formed are further separated from their mother liquor by centrifuging and are dried and packed in solid or liquid form. Sodium Formate is a byproduct and based on the Caustic input to reaction for every MT of Penicethythrillol produced, 0.60 to 0.67 MT of Sodium Formate gets produced.																																				
14	Man-power Requirement(after expansion)	140Nos.																																				
15	Total Water Requirement - 857 KLD (after expansion) Raw water from SIPCOT - 690 KLD Treated water - 167 KLD	<table><thead><tr><th>S. No</th><th>Activity</th><th>Quantity (KLD)</th></tr></thead><tbody><tr><td>1.</td><td>Domestic</td><td>45</td></tr><tr><td>2.</td><td>Gardening</td><td>40</td></tr><tr><td>3.</td><td>Coal/vegetation wetting</td><td>32</td></tr><tr><td>4.</td><td>FH make up</td><td>14</td></tr><tr><td>5.</td><td>WTP back wash</td><td>20</td></tr><tr><td>6.</td><td>Cooling tower</td><td>353</td></tr><tr><td>7.</td><td>Process</td><td>17</td></tr><tr><td>8.</td><td>fan less cooling tower</td><td>39</td></tr><tr><td>9.</td><td>Floor washing</td><td>21</td></tr><tr><td>10.</td><td>Boiler</td><td>270</td></tr><tr><td>11.</td><td>WTP Regenerator</td><td>6</td></tr></tbody></table> Source of water - SIPCOT	S. No	Activity	Quantity (KLD)	1.	Domestic	45	2.	Gardening	40	3.	Coal/vegetation wetting	32	4.	FH make up	14	5.	WTP back wash	20	6.	Cooling tower	353	7.	Process	17	8.	fan less cooling tower	39	9.	Floor washing	21	10.	Boiler	270	11.	WTP Regenerator	6
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16	Sewage generation and treatment	Sewage Generation -45 KLD. treated in the STP of 50 KLD capacity and the treated sewage is used for gardening																																				
17	ETP Details	- ETP Capacity 250 KLD. - Total Effluent generation - 131 KLD.																																				



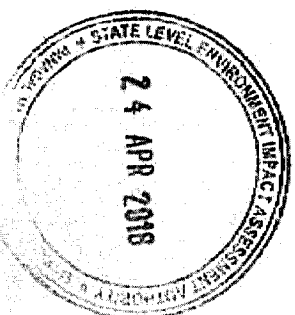
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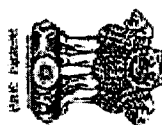
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17A	Reuse of treated effluent	Treated effluent of 124 KLD is recycled in process			
18	Solid waste Management	Name of process	Expected quantity (Kg/annum)	Activities for which Authorization is issued	
		Ion Exchange resin	9600	authorized processors to be sought for reuse/ recycle of solid wastes	
		Used insulation materials	4100		
		Used HDPE bags	5200		
		Used Filter	3000		
		Clothes			
		Hazardous waste management			
		Spent carbon	7780 kg/annum	Authorized waste processing agency	
		Used spent oil	900 Lts/annum	Authorized waste processing agency	
		Waste oil	300 Lts/annum	Authorized waste processing agency	
		Sludge	172 Tons/annum	TSDF agency	Gummidipoondi
19	Stack emission Details: (All the stacks attached to process units: Boilers, D.G. Sets, (kg/hr)	S. No	Source of Emission	Control Measures	Height
		1	Sodium Formate Drier	wet scrubber followed by stack and the scrubbing medium: water	18m x dia 0.10m



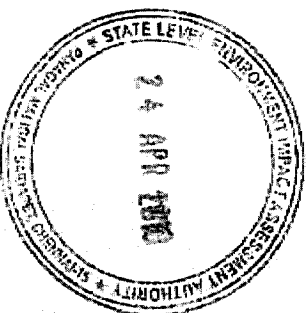
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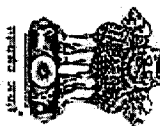
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		2	Mono Pentaerythritol Drier	wet scrubber followed by stack and the scrubbing medium water	12m x dia 0.20m
		3	Di Pentaerythritol drier	wet scrubber followed by stack and the scrubbing medium: water	18m x dia 0.25m
		4	Tech Pentaerythritol Drier	Reverse pulse jet bag filter that collects dust followed by stack	Height 10.5m x dia 0.10m
		5	14 TPH FBC Boiler	Reverse pulse jet bag filter	Height 50m x dia 1.20m
		6	16 TPH FBC Boiler	Reverse pulse jet bag filter	42 m x dia 1.10m
		7	500 KVA DG set	Stack	12m x dia 0.25m
		8	600 KVA DG set	Stack	12m x dia 0.25m
20	Details of Fuel to be used:	S.No.	Boiler / DG set	Fuel consumption	Fuel type
		1	Coal Fired Boiler	111.50 T/day	Coal
		2	DG Sets	4.5KL/day	HSD
21	Steam Generation	16 TPH		30 TPH	



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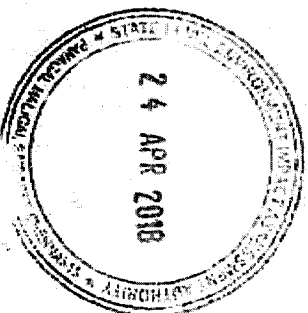


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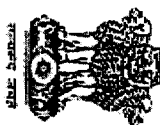
22	Storm Water Management	There is adequate storm drainage system. The storm water in the project area will be collected through existing storm water drains. The excess storm water will be connected to the SIPCOT main storm water drain
23	Rain Water Harvesting	Rainwater harvesting storage capacity is 200cu.m.
24	Green Belt Development	15.7 acres (6.35 Ha)
25	CSR details	The actual CSR funds utilized in future should be atleast be 2% of the annual profit but not less than Rs. 33.60 lakhs per annum.
26	ENP Cost(O&M)	Capital Cost: 576 Lakhs. Operation and Maintenance Cost: 23.6 Lakhs.

Validity:

The SEIAA hereby accords Environmental Clearance to the above project under the provisions of EIA Notification dated 14th September, 2006 as amended, with validity for Seven years from the date of issue of EC, subject to the compliance of the terms and conditions stipulated below:



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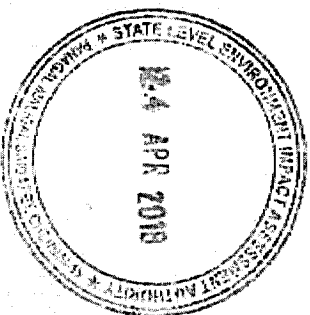


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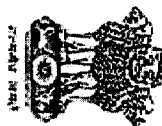
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(A) SPECIFIC CONDITIONS:

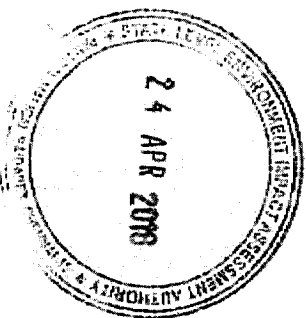
- (i) It is mandatory for the project proponent to furnish to the SEIAA. Half yearly compliance report in hard and soft copies on 1st June and 1st December of each calendar year in respect of the conditions stipulated in the prior Environmental clearance issued.
- (ii) "Consent for Establishment" shall be obtained from Tamil Nadu Pollution Control Board and a copy of the same shall be furnished to the SEIAA. Tamil Nadu before start of project construction activity at the site.
- (iii) The implementation of Environmental Management Plan in regard to treatment and disposal of sewage & Effluent, Solid waste Management, Hazardous - Waste Management, and CSR Activities should be carried out, as proposed and committed. Regular monitoring should be carried out during operation phases.
- (iv) The residue collected from the evaporator shall be documented by maintaining proper register and it should be made available at the time of inspection.
- (v) Adequate dust extraction system such as Ducting with dust extracting arrangement wherever required shall be established to achieve Occupational -health standards and ambient air quality standards.
- (vi) The proponent shall carryout best housekeeping practices as spillage management for handling and maintenance of raw materials and products inside the unit premises.
- (vii) Nature of chemicals Handled, the Do and Don'ts shall be displayed at all vital locations as laided down in MSDS.
- (viii) The proponent shall ensure that the quantity of Hazardous Waste handed over to the TSDF shall match with the quantity generated.



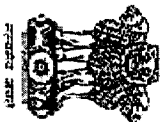
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- (ix) The proponent shall provide a separate closed area earmarked for storing solid waste including Hazardous Waste as proposed.
- (x) The proponent shall dispose Hazardous Waste generated as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Spent oil from D/G sets should be stored in HDPE drums in an isolated covered facility and disposed off through TNPCB registered recyclers.
- (xi) The Plastic wastes shall be segregated and disposed as per the provisions of Plastic Waste (Management & Handling) Rules 2016.
- (xii) The e - waste generated should be collected and disposed to a nearby authorized e-waste centre as per e waste (Management & Handling), Rules 2016 as amended.
- (xiii) The Municipal solid waste generated shall be collected, segregated and disposed as per Solid Waste Management Rules, 2016.
- (xiv) The industry shall conduct air sampling at least once in six months for the general core parameters (PM_{10} , $PM_{2.5}$, SO_x , NO_x) through TNPCB/NABL Accredited Laboratory and maintain records of the same and it should be made available at the time of inspection.
- (xv) Regular monitoring on the air quality, water quality and noise on the selected locations in and around the project site as mentioned in the EMP report for creating base line data shall be continued and records shall be maintained.
- (xvi) A separate environment and safety management cell with qualified staff shall be set up before establishment of the facility and shall be retained throughout the lifetime of the industry, for implementation of the stipulated environmental safeguards.

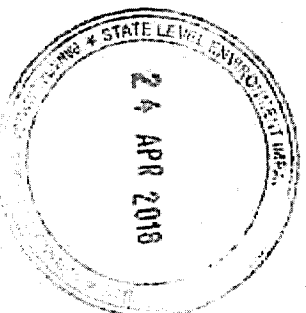


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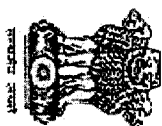


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- (xvii) The Green belt area already developed within the project area shall be properly maintained.
- (xviii) The industry shall promote tree plantation to neutralize their carbon foot print. The industry shall engage regularly in afforestation programme.
- (xix) The proponent shall ensure effective risk management strategy regarding confined space management to avoid risk while handling raw materials, products in the process area and storage.
- (xx) The industry shall conduct air sampling at least twice in a week (104 times in a year), as stipulated under EP Act 1986.
- (xxi) Risk cum disaster management plan should be in placed in the industry premises at all time.
- (xxii) Water conservation scheme including rain water harvesting measures to augment ground water resources shall be implemented so as to collect and reuse the entire rainwater harvested as a supplement to fresh water.
- (xxiii) The natural drainage pattern in the project area shall be maintained and storm water drain along the boundary and appropriate places shall be provided considering the Catchment area and maximum intensity of rainfall to collect runoff water/rain water for proper disposal to avoid flooding around the premises.
- (xxiv) The Environmental Clearance is issued without prejudice to any order that may be passed by the Hon'ble NGT/ Hon'ble High Court of Madras.
- (xxv) All the assurances given in EIA and EMP shall be adhered to strictly.

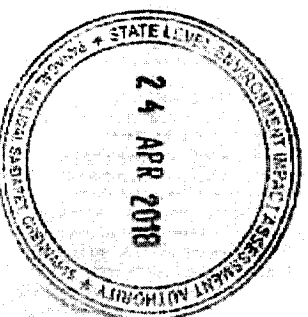


MEMBER SECRETARY
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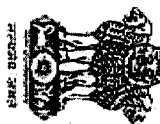


STATE LEVEL ENVIRONMENTAL IMPACT ASSESSMENT AUTHORITY-TN | 2018

- (xxxvi) Detail study shall be carried out by engaging accredited agencies / reputed institutions for Risk management and detailed Disaster management plan prepared for compliance.
- (xxxvii) Sufficient funds should be provided for Disaster management.
- (xxxviii) The Project Proponent shall provide disinfection by UV system for the sewage treatment plant for treating the sewage before applying on land for gardening.
- (xxix) The project proponent has to provide close loop sile for ash handling and the same shall be installed before 30.05.2016 as committed and submit the proof to SEIAA-TN.
- (xxx) The project proponent shall provide sufficient ventilation (air circulation) in the hazardous waste storage yard where the hazardous waste like spent carbon, Chemical sludge, used or spent oil are being kept.
- (xxxi) The industry should completely revamp fly ash collection from the source, conveyance, storage and disposal in a more scientific manner and to reduce the fugitive emissions in fly ash handling. The final disposal of the fly ash will be as per MoEF & CC Notification S.O. 254 (E) dated: 25th January, 2016.
- (xxxii) The Project Proponent shall carry out safety audit in the different operating zones of the plant at least once in a year and the same shall be considered as base for reviewing the unsafe conditions during the plant safety meeting.
- (xxxiii) The Project Proponent shall prepare a code of practice for safe operation for educating the safety standards to the work force deployed in the plant through appropriate training by the concerned experts.
- (xxxiv) As the plant operation involves the sensitive processing, the medical officer and the supporting staff involved in the health centre activities shall be trained in occupational



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STATE LEVEL ENVIRONMENTAL IMPACT ASSESSMENT AUTHORITY-TN | 2018

health surveillance (OHS) aspects through the outsourced training from the experts available in the field of OHS for ensuring the health standard of persons employed.

(xxxv) The Activity of the industry should no way pollute water bodies such as Uppanar River, Perumal Lake & Bay of Bengal.

(xxxvi) The Activity of the industry should not impact on agricultural, irrigation system and mangroves surrounding the area.

(xxxvii) The EMP cost of Rs.576 lakhs and operation and maintenance cost Rs. 23.6 lakhs shall be deposited in a nationalized bank by opening separate account and the head wise expenses statement shall be submitted to TNPCB with a copy to SEIAA annually.

(xxxviii) There should be no threat to Bio diversity due to the operation of the industry.

(xxxix) The flora & fauna present in and around the project site should be get affected due to the activity as reported.

(xl) The Project Proponent has to provide rain water harvesting collection tank to the capacity of 200cu.m in order to recover and reuse the rain water during normal rains.

(xli) The operation of the activity should not impact on the soil, micro flora & Fauna present in and around the project site.

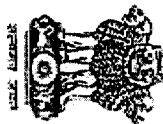
(xlii) The project proponent shall carry out risk assessment process for all the operations involved in the plant and a suitable risk management plan showing the contours of sensitive zones should be prepared.

(xliii) The industry shall develop green belt in the open areas by planting the following species in future:

- (i) Calophyllum inophyllum-Pungan
- (ii) Syzygium cumini- Naval

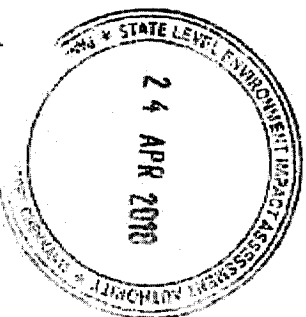


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STATE LEVEL ENVIRONMENTAL IMPACT ASSESSMENT AUTHORITY-TN | 2018

- (iii) Thespesia populnea- Poovarasu
- (iv) Terminalia arjuna- Neermarudu
- (v) Ficus bengalensis - Alamaram
- (vi) Ficus reusa- Anthi
- (vii) Ficus bengalensis- Arasamaram
- (viii) Alstonia scholaris- Palai
- (ix) Mimosa elengi- Mahilam
- (x) Madhuca longifolia-Izhupai
- (xiiv) The project proponent shall take up better housekeeping measures including scraps disposal and up keeping the machineries, pipes, etc.
- (xlv) The proponent should continuously monitor the VOC and ensure that VOC levels are within permissible limits.
- (xlv) Air pollution control – there are four sources of air emissions within the industry process
 - Tech PE drier. Sodium formate drier, Mono PE drier and Di PE drier.
 - From the Tech PE drier, particulates of Pentarythritol will be emanating which will be controlled in a bag filter and finally emitted to the environment through a stack. There will be increase in the pollutant load from 1.33 kgs / day to 1.72 kgs/day and hence, additional bag filter capacity should be created.
 - From the Sodium formate drier, suspended particulate matter will be emitted which is sent to wet scrubber and then to the stack. The existing scrubber should be replaced with a new one.



[Signature]
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SEIAA-TN



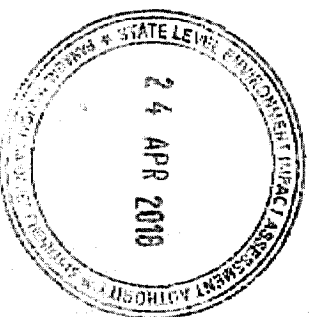
- From both Mono PE drier and Di PE drier, SPm will be emitted which is sent to wet scrubber and then to stacks. There is an increase in the amount of pollutant but the proponent should increase the efficiency of the scrubber to absorb the additional pollutant load.

(xlviii) The project proponent has to provide/ install the following before 30.04.2018 as committed and furnish proof of the same to SEIAA-TN :

- The Sewage sludge bed capacity should be increased from 5.27 m³ to 10.5 m³.
- The sludge drying bed 2. Nos should be provided in addition to the existing Sludge drying bed for managing sludge.
- The agreement with hazardous waste management and disposal facilities shall be made including the quantum of hazardous waste and the life period.

(B) GENERAL CONDITIONS:-

- i. This Environmental Clearance shall not be cited to relax any other rules applicable to this project.
- ii. The Project Proponent should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the Environmental Clearance informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with TNPCB and also at the Website of the SEIAA, TN at <http://www.seiaa.tn.gov.in>.
- iii. A copy of the Environmental Clearance shall be sent by the project proponent to concerned local body and local NGO, if any from whom suggestions/representatives, if any were received while processing the proposal.

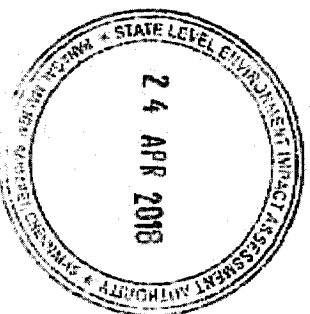


[Signature]
MEMBER SECRETARY
SEIAA-TN

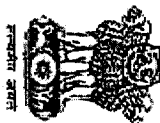


STATE LEVEL ENVIRONMENTAL IMPACT ASSESSMENT AUTHORITY-TN | 2018

- iv. The Environmental Clearance shall also be put on the website of the company.
- v. No expansion or modernization in the project shall be carried out without prior approval of the SEIAA-TN. In case of any deviations or alterations in the project proposal from those submitted to this Authority for clearance, a fresh reference shall be made to the SEIAA-TN to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- vi. All the environmental protection measures and safeguards as recommended in the EIA report shall be complied with.
- vii. The implementation of the project vis-a-vis environmental action plans shall be monitored by the Regional office of MOEF&CC at Chennai. TNPCB and CPCB. A six monthly compliance status report shall be submitted to monitoring agencies regularly.
- viii. Data on ambient air, stack and fugitive emissions shall be regularly submitted online to the Regional office of MOEF&CC, GOI, at Chennai, TNPCB and Central Pollution Control Board as well as hard copy once in six months and display data on RSPM, SO₂ and NOx outside the premises at the appropriate place for the general public.
- ix. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- x. Proper house-keeping and cleanliness must be maintained within and outside the plant.
- xi. Occupational health surveillance programme shall be undertaken as regular exercise for all the employees, especially for those engaged in handling hazardous substances. The first aid facilities in the occupational health centre shall be strengthened and the medical records of each employee should be maintained separately.

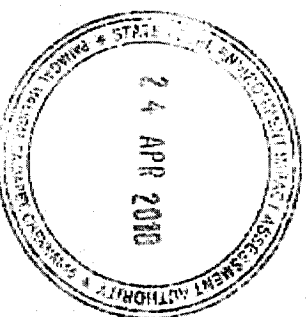


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SEIAA-TN



STATE LEVEL ENVIRONMENTAL IMPACT ASSESSMENT AUTHORITY-TN | 2018

- xii. The overall noise levels in and around the plant area shall be kept well within the standards prescribed for by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75dBA (day time) and 70 dBA (night time).
- xiii. The actual CSR funds utilized in future should atleast be 2% of the annual profit but not less than Rs. 33.60 lakhs per annum.
- xiv. A separate Environmental Management Cell equipped with full fledged laboratory facilities to carry out the various Environmental Management and Monitoring functions shall be set up under the control of a Senior Executive.
- xv. The requisite amount earmarked towards capital cost and recurring cost/annum for implementing pollution control measures shall be used judiciously to implement the Environment Management Plan as furnished in the EIA report. The funds so provided shall not be diverted for any other purposes.
- xvi. The project proponent shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEF&CC, GOI at Chennai, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; RSPM, SO₂, NO_x (ambient levels as well as stack emissions) or critical sector parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.

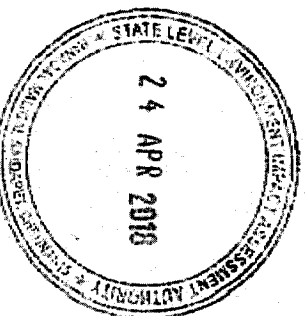


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SEIAA-TN

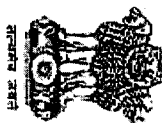


STATE LEVEL ENVIRONMENTAL IMPACT ASSESSMENT AUTHORITY-TN | 2018

- xviii. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Offices of the MOEF by e-mail.
- xviii. The Environmental Clearance is valid for 7 years from the date of issue.
- xix. Environmental Clearance is being issued without prejudice to the action initiated under Environment (Protection) Act, 1986 or any court case pending or any other court order shall prevail.
- xx. The SEIAA, TN may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
- xxi. The SEIAA/SEAC or any Competent Authority may suitably add any further condition(s) on receiving reports from the project authority. The above condition shall be monitored by the Regional Office of MoEF located at Chennai.
- xxii. The SEIAA, TN may revoke or suspend the Environmental clearance, if implementation of any of the above conditions is not satisfactory.
- xxiii. The SEIAA, TN may cancel the environmental clearance granted to this project under the provisions of EIA Notification, 2006, if, at any stage of the validity of this environmental clearance, if it is found or if it comes to the knowledge of this SEIAA, TN that the project proponent has deliberately concealed and/or submitted false or misleading information or inadequate data for obtaining the environmental clearance.



MEMBER SECRETARY
SEIAA-TN



STATE LEVEL ENVIRONMENTAL IMPACT ASSESSMENT AUTHORITY-TN | 2018

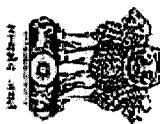
- xxiv. Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.
- xxv. The SEIAA-TN reserves the right to stipulate additional conditions if found necessary. The industry in a time bound manner shall implement these conditions.
- xxvi. The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability Insurance Act, 1991, along with their amendments, draft Minor Mineral Conservation & Development Rules, 2010 framed under MMDR Act 1957, National Commission for protection of Child Right Rules, 2006 and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/Hon'ble High Court of Madras and any other Courts of Law relating to the subject matter.
- xxvii. Any appeal against this environmental clearance shall lie with the Hon'ble National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

[Signature]
MEMBER SECRETARY
SEIAA-TN

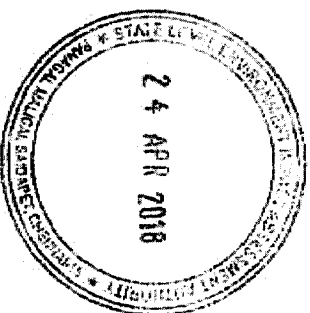
Copy to:-

1. The Principal Secretary to Government,
Environment & Forests Department,
Govt. of Tamil Nadu, Fort St. George,
Chennai - 600 009.





2. The Chairman,
Central Pollution Control Board, Parvathibhavan,
CBD Cum-Office Complex, East Arjun Nagar,
New Delhi 110032.
3. The Member Secretary,
Tamil Nadu Pollution Control Board,
76. Mount Salai, Guindy,
Chennai - 600 032.
4. The ACCF(C), Regional Office of MoEF,
34, HEPC Building, 1 & 2 nd Floors,
Cathedral Garden Road, Nungambakkam,
Chennai - 600 034.
5. Monitoring Cell, I A Division,
Ministry of Environment & Forests,
Paryavaran Bhavan, CGO Complex,
New Delhi 110003.
6. The District Collector, Cuddalore District.
7. Stock File.

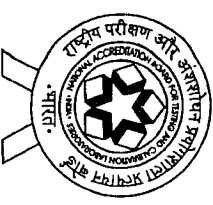


Annexure 1 - 3rd party Stack monitoring report



SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

ULR - TC611825000020084F
Report No : ENQ250418003-01

Page 1 of 1
Report Date : 22 Apr 2025

Customer Name : M/s. ASIAN PAINTS LIMITED. (PENTA DIVISION)
Customer Address : B5 - B10, Sipcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 15.04.2025
Sample Drawn By : Laboratory
Sample Location : Boiler 16 TPH
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 1.0 m
Sampling Date : 15 Apr 2025
Sample Received on : 18 Apr 2025
Test Started on : 18 Apr 2025
Test Completed on : 21 Apr 2025
Ambient Temperature : 34°C

TEST RESULTS

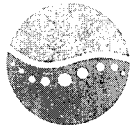
S.NO	Parameter	Test Method	Unit	Results
Chemical				
1	Carbon Dioxide as CO2	SMSLA/EN/SOP/017 - 2024	%	4.5
2	Carbon Monoxide as CO	SMSLA/EN/SOP/017 - 2024	mg/Nm ³	163
3	Nitrogen Oxides as NOx	SMSLA/EN/SOP/017 - 2024	mg/Nm ³	185
4	Oxygen as O2	SMSLA/EN/SOP/017 - 2024	%	13.1
5	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	mg/Nm ³	26.2
6	Stack temperature	IS 11255 (Part 03) - 2008 (Reaffirmed 2018)	K	672
7	Sulphur Dioxide as SO2	IS 11255 (Part 02) - 1985 (Reaffirmed 2019)	mg/Nm ³	26
8	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	10.4
9	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	13017

/***** End of the Report *****/

M.K.
M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Pudukhattram Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

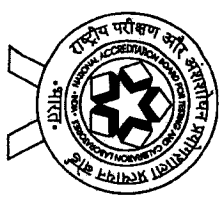
Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements, while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.



SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT



TC-6118

ULR - TC611825000020086F
Report No : ENQ250418003-02

Page 1 of 1
Report Date : 22 Apr 2025

Customer Name : M/s. ASIAN PAINTS LIMITED. (PENTA DIVISION)
Customer Address : B5 - B10, Sipcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 15.04.2025
Sample Drawn By : Laboratory
Sample Location : DG 600 KVA
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.25 m
Sampling Date : 15 Apr 2025
Sample Received on : 18 Apr 2025
Test Started on : 18 Apr 2025
Test Completed on : 21 Apr 2025
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results	Limit as per CPCB Specification
Chemical					
1	Carbon Dioxide as CO2	SMSLA/EN/SOP/017 - 2024	%	2.3	--
2	Carbon Monoxide as CO	SMSLA/EN/SOP/017 - 2024	g/kw-hr	0.28	3.5 Max
3	Nitrogen Oxides as NOx	SMSLA/EN/SOP/017 - 2024	g/kw-hr	0.31	0.40 Max
4	Oxygen as O2	SMSLA/EN/SOP/017 - 2024	%	16.9	--
5	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	g/kw-hr	0.009	0.02 Max
6	Stack temperature	IS 11255 (Part 03) - 2008 (Reaffirmed 2018)	K	404	--
7	Sulphur Dioxide as SO2	IS 11255 (Part 02) - 1985 (Reaffirmed 2019)	mg/Nm ³	31.2	--
8	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	10.6	--
9	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	1379	--

Conclusion : The above tested Sample Conforms to the CPCB Standards for the above tested Parameters.

/***** End of the Report *****/

M. Sarathkumar
Authorized Signatory-Chemical

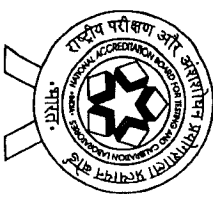
Laboratory Address: 39/6, Thiruvallur High Road, Puduchattaram Post, Thirumazhisai Via, Poomallic Taluk, Chennai - 600124.

Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements, while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.



SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

ULR - TC611825000020087F
Report No : ENQ250418003-03

Page 1 of 1
Report Date : 22 Apr 2025

Customer Name : M/s. ASIAN PAINTS LIMITED. (PENTA DIVISION)
Customer Address : B5 - B10, Sipcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 15.04.2025
Sample Drawn By : Laboratory
Sample Location : DG 500 KVA
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.25 m
Sampling Date : 16 Apr 2025
Sample Received on : 18 Apr 2025
Test Started on : 18 Apr 2025
Test Completed on : 21 Apr 2025
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results	Limit as per CPCB Specification
Chemical					
1	Carbon Dioxide as CO ₂	SMSLA/EN/SOP/017 - 2024	%	2.8	--
2	Carbon Monoxide as CO	SMSLA/EN/SOP/017 - 2024	g/kw-hr	0.26	3.5 Max
3	Nitrogen Oxides as NO _x	SMSLA/EN/SOP/017 - 2024	g/kw-hr	0.29	0.40 Max
4	Oxygen as O ₂	SMSLA/EN/SOP/017 - 2024	%	16.0	--
5	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	g/kw-hr	0.008	0.02 Max
6	Stack temperature	IS 11255 (Part 03) - 2008 (Reaffirmed 2018)	K	400	--
7	Sulphur Dioxide as SO ₂	IS 11255 (Part 02) - 1985 (Reaffirmed 2019)	mg/Nm ³	27.6	--
8	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	10.8	--
9	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	1419	--

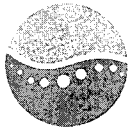
Conclusion : The above tested Sample Conforms to the CPCB Standards for the above tested Parameters.

/***** End of the Report *****/

M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Pudukhattram Post, Thirunadhisi Via, Poonamallee Taluk, Chennai - 600124.

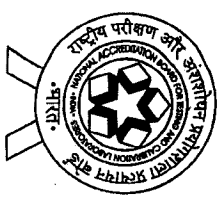
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SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT

SMSLA



TC-6118

ULR - TC611823000020089F
Report No : ENQ250418003-04 (Part A)

Page 1 of 1
Report Date : 22 Apr 2025

Customer Names : M/s. ASIAN PAINTS LIMITED. (PENTA DIVISION)
Customer Address : B5 - B10, Sipcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 15.04.2025
Sample Drawn By : Laboratory
Sample Location : Sodium Formate Dryer
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.2 m
TEST RESULTS
Ambient Temperature : 34°C

S.NO	Parameter	Test Method	Unit	Results
Chemical				
1	Particulate Matter	IS 11235 (Part 01) - 1985 (Reaffirmed 2019)	mg/Nm ³	14.6
2	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	11.1
3	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	1197
Volatile Organic Compounds				
4	Methanol	SMSLA/GC/SOP/36 - 2024	mg/m ³	BLQ(LOQ:0.1)

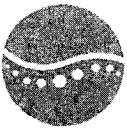
Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

M.C.
M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Pudukkottai Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements, while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.



SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT

Report No : ENQ250418003-04 (Part B)

Page 1 of 1
Report Date : 22 Apr 2025

Customer Name : M/s. ASIAN PAINTS LIMITED. (PENTA DIVISION)
Customer Address : B5 - B10, Sipcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.

Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 15.04.2025
Sample Drawn By : Laboratory
Sample Location : Sodium Formate Dryer
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.2 m
Sampling Date : 16 Apr 2025
Sample Received on : 18 Apr 2025
Test Started on : 18 Apr 2025
Test Completed on : 21 Apr 2025
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Aldehydes				
1	Acetaldehyde	NIOSH 2538 - 1994	mg/m ³	BLQ(LOQ:0.1)
2	Formaldehyde	SMSLA/QC/SOP/60 - 2024	mg/m ³	BLQ(LOQ:0.1)

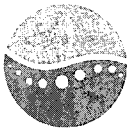
Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

M.L
M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Puduchattaram Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

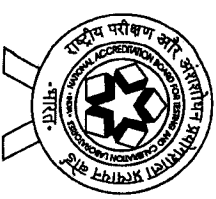
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SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT



TC-6118

ULR - TC611825000020091F
Report No : ENQ250418003-05 (Part A)

Page 1 of 1
Report Date : 22 Apr 2025

Customer Name : M/s. ASIAN PAINTS LIMITED. (PENTA DIVISION)
Customer Address : B5 - B10, Sipcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 15.04.2025
Sample Drawn By : Laboratory
Sample Location : D1 Dryer
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.1 m
Sampling Date : 16 Apr 2025
Sample Received on : 18 Apr 2025
Test Started on : 18 Apr 2025
Test Completed on : 21 Apr 2025
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Chemical				
1	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	mg/Nm ³	15.2
2	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	10.7
3	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	296
Volatile Organic Compounds				
4	Methanol	SMSLA/GC/SOP/36 - 2024	mg/m ³	BLQ(LOQ:0.1)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

M.L
M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Pudukhattram Post, Thirumazhisai Via, Poonamallee Taluk, Chennai – 600124.

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SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT

Report No : ENQ250418003-05 (Part B)

Page 1 of 1
Report Date : 22 Apr 2025

Customer Name : M/s. ASIAN PAINTS LIMITED. (PENTA DIVISION)
Customer Address : B5 - B10, Sipcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 15.04.2025
Sample Drawn By : Laboratory
Sample Location : D1 Dryer
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.1 m
Sampling Date : 16 Apr 2025
Sample Received on : 18 Apr 2025
Test Started on : 18 Apr 2025
Test Completed on : 21 Apr 2025
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Aldehydes				
1	Acetaldehyde	NIOSH 2538 - 1994	mg/m3	BLQ(LOQ:0.1)
2	Formaldehyde	SMSLA/GC/SOP/60 - 2024	mg/m3	BLQ(LOQ:0.1)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

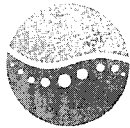
/***** End of the Report *****/

M.S.

M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Puduchattaram Post, Thirumazhisai Via, Poomanallec Taluk, Chennai - 600124.

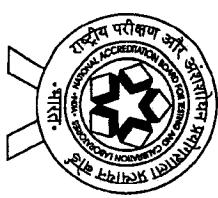
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SMS LABS SERVICES PRIVATE LIMITED

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TEST REPORT



TC-6118

ULR - TC611825000020095F

Page 1 of 1

Report No : ENQ250418003-06 (Part A)

Report Date : 22 Apr 2025

Customer Name : M/s. ASIAN PAINTS LIMITED, (PENTA DIVISION)

Customer Address : B5 - B10, Sipcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.

Sample Description : Stack Emission Monitoring

Sampling Date : 16 Apr 2025

Reference : Test Request Form Dated 15.04.2025

Sample Received on : 18 Apr 2025

Sample Drawn By : Laboratory

Test Started on : 18 Apr 2025

Sample Location : Fluedised Bed Dryer

Test Completed on : 21 Apr 2025

Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017

Diameter of Stack (m) : 0.4 m

Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Chemical				
1	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	mg/Nm ³	15.7
2	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	11.2
3	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	3526
Volatile Organic Compounds				
4	Methanol	SMSLA/GC/SOP/36 - 2024	mg/m ³	BLQ(LOQ:0.1)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

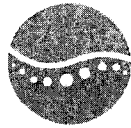
/***** End of the Report *****/

Mth

M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Puduchattaram Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements, while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.



SMS LABS SERVICES PRIVATE LIMITED

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TEST REPORT

Report No : ENQ250418003-06 (Part B)

Page 1 of 1
Report Date : 22 Apr 2025

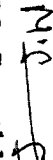
Customer Name : M/s. ASIAN PAINTS LIMITED. (PENTA DIVISION)
Customer Address : B5 - B10, Sipcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 15.04.2025
Sample Drawn By : Laboratory
Sample Location : Fluedised Bed Dryer
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.4 m
Sampling Date : 16 Apr 2025
Sample Received on : 18 Apr 2025
Test Started on : 18 Apr 2025
Test Completed on : 21 Apr 2025
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Aldehydes				
1	Acetaldehyde	NIOSH 2538 - 1994	mg/m ³	BLQ(LOQ:0.1)
2	Formaldehyde	SMSLA/GC/SOP/60 - 2024	mg/m ³	BLQ(LOQ:0.1)

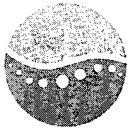
Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

M.K. 
M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Puduchattaram Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

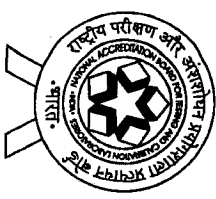
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SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT



TC-6118

ULR - TC611825000020096F
Report No : ENQ250418003-07 (Part A)

Page 1 of 1
Report Date : 22 Apr 2025

Customer Name : M/s. ASIAN PAINTS LIMITED. (PENTA DIVISION)
Customer Address : B5 - B10, Sipcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 15.04.2025
Sample Drawn By : Laboratory
Sample Location : Mono Dryer
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.2 m
Sampling Date : 16 Apr 2025
Sample Received on : 18 Apr 2025
Test Started on : 18 Apr 2025
Test Completed on : 21 Apr 2025
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Chemical				
1	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	mg/Nm ³	14.6
2	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	10.1
3	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	1033
Volatile Organic Compounds				
4	Methanol	SMSLA/GC/SOP/36 - 2024	mg/m ³	BLQ(LOQ:0.1)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

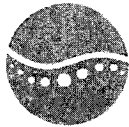
/***** End of the Report *****/

Md

M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Puduchattaram Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

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SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT

Page 1 of 1

Report No : ENQ250418003-07 (Part B)

Report Date : 22 Apr 2025

Customer Name : M/s. ASIAN PAINTS LIMITED. (PENTA DIVISION)
Customer Address : B5 - B10, Sipcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 15.04.2025
Sample Drawn By : Laboratory
Sample Location : Mono Dryer
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.2 m
Sampling Date : 16 Apr 2025
Sample Received on : 18 Apr 2025
Test Started on : 18 Apr 2025
Test Completed on : 21 Apr 2025
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Aldehydes				
1	Acetaldehyde	NIOSH 2538 - 1994	mg/m ³	BLQ(LOQ:0.1)
2	Formaldehyde	SMSLA/GC/SOP/60 - 2024	mg/m ³	BLQ(LOQ:0.1)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

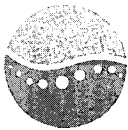
/***** End of the Report *****/

M.L

M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Puduchattaram Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

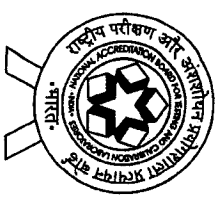
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SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT



TC-6118

ULR - TC611825000020102F
Report No : ENQ250418003-08 (Part A)

Page 1 of 1
Report Date : 22 Apr 2025

Customer Name : M/s. ASIAN PAINTS LIMITED, (PENTA DIVISION)
Customer Address : B5 - B10, Sipcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.
Sample Name : Ambient Voc Monitoring
Sample Description : Ambient Voc Monitoring
Reference : Test Request Form Dated 15.04.2025
Sample Drawn By : Laboratory
Sample Location : Near Weigh Bridge (Up Wind)
Sampling Procedure : NIOSH & SOP'S
Sampling Date : 15 Apr 2025
Sample Received on : 18 Apr 2025
Test Started on : 18 Apr 2025
Test Completed on : 22 Apr 2025

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Chemical				
1	Formaldehyde	SMSLA/EN/SOP/026 - 2024	ppm	BLQ(LOQ:0.1)
Hydrocarbons				
2	Total Hydrocarbons	SMSLA/GC/SOP/47 - 2024	mg/m ³	BLQ(LOQ:0.025)
Volatile Organic Compounds				
3	Methanol	SMSLA/GC/SOP/36 - 2024	mg/m ³	BLQ(LOQ:0.1)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Puduchattaram Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

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SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT

Page 1 of 1

Report No : ENQ250418003-08 (Part B)

Report Date : 22 Apr 2025

Customer Name : M/s. ASIAN PAINTS LIMITED. (PENTA DIVISION)
Customer Address : B5 - B10, Sipcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.
Sample Name : Ambient Voc Monitoring
Sample Description : Ambient Voc Monitoring
Reference : Test Request Form Dated 15.04.2025
Sample Drawn By : Laboratory
Sample Location : Near Weigh Bridge (Up Wind)
Sampling Procedure : NIOSH & SOP'S
Sampling Date : 15 Apr 2025
Sample Received on : 18 Apr 2025
Test Started on : 18 Apr 2025
Test Completed on : 22 Apr 2025

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Aldehydes				
1	Acetaldehyde	NIOSH 2538 - 1994	mg/m ³	BLQ(LOQ:0.1)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

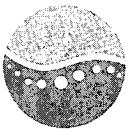
/***** End of the Report *****/

M.C. S

M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Puduchattaram Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

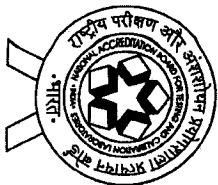
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SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT



TC-6118

ULR - TC611825000020105F

Page 1 of 1

Report No : ENQ250418003-09 (Part A)

Report Date : 22 Apr 2025

Customer Name : M/s. ASIAN PAINTS LIMITED. (PENTA DIVISION)
Customer Address : B5 - B10, Sipeot Industrial Complex, Kudikadu Village, Cuddalore - 607005.
Sample Name : Ambient Voc Monitoring
Sample Description : Ambient Voc Monitoring
Reference : Test Request Form Dated 15.04.2025
Sample Drawn By : Laboratory
Sample Location : Near Coal Yard (Down Wind)
Sampling Procedure : NIOSH & SOP'S
Sampling Date : 15 Apr 2025
Sample Received on : 18 Apr 2025
Test Started on : 18 Apr 2025
Test Completed on : 22 Apr 2025

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Chemical				
1	Formaldehyde	SMSLA/EN/SOP/026 - 2024	ppm	BLQ(LOQ:0.1)
Hydrocarbons				
2	Total Hydrocarbons	SMSLA/GC/SOP/47 - 2024	mg/m ³	BLQ(LOQ:0.025)
Volatile Organic Compounds				
3	Methanol	SMSLA/GC/SOP/36 - 2024	mg/m ³	BLQ(LOQ:0.1)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

M.R.
M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Puduchattaram Post, Thirumazhisai Via, Poomanallee Taluk, Chennai - 600124.

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SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT

Page 1 of 1

Report No : ENQ250418003-09 (Part B)

Report Date : 22 Apr 2025

Customer Name : M/s. ASIAN PAINTS LIMITED. (PENTA DIVISION)
Customer Address : B5 - B10, Sipcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.
Sample Name : Ambient Voc Monitoring
Sample Description : Ambient Voc Monitoring
Reference : Test Request Form Dated 15.04.2025
Sample Drawn By : Laboratory
Sample Location : Near Coal Yard (Down Wind)
Sampling Procedure : NIOSH & SOP'S
Sampling Date : 15 Apr 2025
Sample Received on : 18 Apr 2025
Test Started on : 18 Apr 2025
Test Completed on : 22 Apr 2025

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Aldehydes				
1	Acetaldehyde	NIOSH 2538 - 1994	mg/m ³	BLQ(LOQ:0.1)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

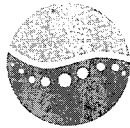
/***** End of the Report *****/

M. Sarathkumar

M. Sarathkumar
Authorized Signatory-Chemical

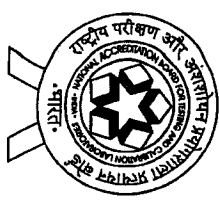
Laboratory Address: 39/6, Thiruvallur High Road, Puduchattaram Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements; while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.



SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

ULR - TC611825000020107F
Report No : ENQ250418003-10

Page 1 of 1
Report Date : 22 Apr 2025

Customer Name : M/s. ASIAN PAINTS LIMITED. (PENTA DIVISION)
Customer Address : B5 - B10, Sipcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 15.04.2025
Sample Drawn By : Laboratory
Sample Location : Boiler-16 TPH
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Sampling Date : 15 Apr 2025
Sample Received on : 18 Apr 2025
Test Started on : 18 Apr 2025
Test Completed on : 22 Apr 2025

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Trace Elements				
1	Mercury	EPA 29 - 2017	µg/m ³	BLQ(LOQ:0.02)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

M.S.

M. Sarathkumar
Authorized Signatory-Chemical

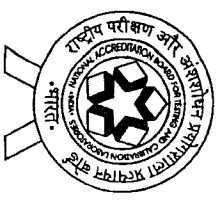
Laboratory Address: 39/6, Thiruvallur High Road, Pudukkottai Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements, while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.



SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

ULR - TCG11825000020189F
Report No : ENQ250418003-11

Page 1 of 1
Report Date : 22 Apr 2025

Customer Name : M/s. ASIAN PAINTS LIMITED. (PENTA DIVISION)
Customer Address : B5 - B10, Sipcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.
Sample Name : STP Outlet Water
Sample Description : STP Outlet Water
Reference : Test Request Form Dated 15.04.2025
Sample Drawn By : Laboratory
Sample Location : STP Area
Sampling Procedure : SMSLA/EN/SOP/001, SMSLA/MB/SOP/06
Sample Quantity : 2 Ltr x 1 No
Sampling Date : 16 Apr 2025
Sample Received on : 18 Apr 2025
Test Started on : 18 Apr 2025
Test Completed on : 22 Apr 2025

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results	As per TNPCB Limit
Biological					
1	Faecal Coliforms	APHA 24th Edition 9221 C1E - 2023	MPN/100mL	32	<1000
Chemical					
2	Ammonical Nitrogen as NH ₃ -N	APHA 24th Edition 4500 NH ₃ B, C - 2023	mg/L	BLQ(LOQ:1.0)	--
3	BOD at 27°C for 3 days	IS 3025 (Part 44) - 2023	mg/L	3.5	30 Max
4	COD	IS 3025 (Part 58) - 2023	mg/L	18	--
5	Total Kjeldahl Nitrogen as N	APHA 24th Edition 4500 N org B - 2023	mg/L	2.8	--
Physical					
6	pH at 25°C	APHA 24th Edition 4500 H+ B - 2023	--	7.77	6.5 - 9.0
7	Total Suspended Solids (TSS)	APHA 24th Edition 2540 D - 2023	mg/L	2.6	100 Max

Note : MPN : Most Probable Number. BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

Remarks : The STP Outlet Water Sample Conforms to the TNPCB Discharge limit for the Parameters tested above.

/***** End of the Report *****/

S. Anbarasan
Authorized Signatory-Biological

M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Pudukkottai Post, Thirunavazhisi Via, Ponnammalai Taluk, Chennai - 600124.

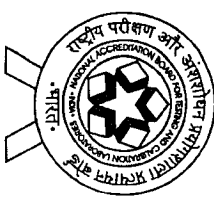
Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Potable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements, while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.



SMSLA

SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

ULR - TC611825000023922F
Report No : ENQ250514001-01

Page 1 of 1
Report Date : 17 May 2025

Customer Name : M/s. ASIAN PAINTS LIMITED, (PENTA DIVISION)
Customer Address : B5 - B10, Sipcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 12.05.2025
Sample Drawn By : Laboratory
Sample Location : Boiler 16 TPH
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 1.0 m
Ambient Temperature : 34°C

TEST RESULTS

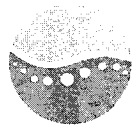
S.NO	Parameter	Test Method	Unit	Results
Chemical				
1	Carbon Dioxide as CO ₂	SMSLA/EN/SOP/017 - 2024	%	4.4
2	Carbon Monoxide as CO	SMSLA/EN/SOP/017 - 2024	mg/Nm ³	175
3	Nitrogen Oxides as NO _x	SMSLA/EN/SOP/017 - 2024	mg/Nm ³	153
4	Oxygen as O ₂	SMSLA/EN/SOP/017 - 2024	%	13.5
5	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	mg/Nm ³	26.8
6	Stack temperature	IS 11255 (Part 03) - 2008 (Reaffirmed 2018)	K	661
7	Sulphur Dioxide as SO ₂	IS 11255 (Part 02) - 1985 (Reaffirmed 2019)	mg/Nm ³	23.7
8	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	13.2
9	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	16797

/***** End of the Report *****/

M. S. Sarathkumar
Authorized Signatory-Chemical

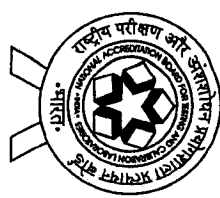
Laboratory Address: 39/6, Thiruvallur High Road, Pudukkottai Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements; while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.



SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

ULR - TC611825000023923F
Report No : ENQ250514001-02

Page 1 of 1
Report Date : 17 May 2025

Customer Name : M/s. ASIAN PAINTS LIMITED. (PENTA DIVISION)
Customer Address : B5 - B10, Sipcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 12.05.2025
Sample Drawn By : Laboratory
Sample Location : DG 600 KVA
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.25 m
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results	Limit as per CPCB Specification
Chemical					
1	Carbon Dioxide as CO ₂	SMSLA/EN/SOP/017 - 2024	%	2.6	--
2	Carbon Monoxide as CO	SMSLA/EN/SOP/017 - 2024	g/kw-hr	0.35	3.5 Max
3	Nitrogen Oxides as NO _x	SMSLA/EN/SOP/017 - 2024	g/kw-hr	0.31	0.40 Max
4	Oxygen as O ₂	SMSLA/EN/SOP/017 - 2024	%	16.5	--
5	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	g/kw-hr	0.009	0.02 Max
6	Stack temperature	IS 11255 (Part 03) - 2008 (Reaffirmed 2018)	K	406	--
7	Sulphur Dioxide as SO ₂	IS 11255 (Part 02) - 1985 (Reaffirmed 2019)	mg/Nm ³	28.1	--
8	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	11.6	--
9	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	1502	--

Conclusion : The above tested Sample Conforms to the CPCB Standards for the above tested Parameters.

/***** End of the Report *****/

M.C.
M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Pudukkottai Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

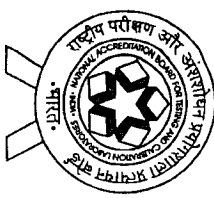
Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements, while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.



SMSLA

SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

ULR - TC61182500023924F
Report No : ENQ250514001-03

Page 1 of 1
Report Date : 17 May 2025

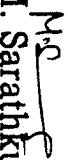
Customer Name : M/s. ASIAN PAINTS LIMITED. (PENTA DIVISION)
Customer Address : B5 - B10, Sipcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 12.05.2025
Sample Drawn By : Laboratory
Sample Location : DG 500 KVA
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.25 m
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results	Limit as per CPCB Specification
Chemical					
1	Carbon Dioxide as CO2	SMSLA/EN/SOP/017 - 2024	%	2.7	--
2	Carbon Monoxide as CO	SMSLA/EN/SOP/017 - 2024	g/kw-hr	0.29	3.5 Max
3	Nitrogen Oxides as NOx	SMSLA/EN/SOP/017 - 2024	g/kw-hr	0.34	0.40 Max
4	Oxygen as O2	SMSLA/EN/SOP/017 - 2024	%	16.1	--
5	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	g/kw-hr	0.008	0.02 Max
6	Stack temperature	IS 11255 (Part 03) - 2008 (Reaffirmed 2018)	K	416	--
7	Sulphur Dioxide as SO2	IS 11255 (Part 02) - 1985 (Reaffirmed 2019)	mg/Nm³	25.8	--
8	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	10.9	--
9	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm³/hr	1377	--

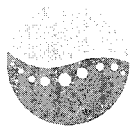
Conclusion : The above tested Sample Conforms to the CPCB Standards for the above tested Parameters.

/***** End of the Report *****/


M. Sarathkumar
Authorized Signatory-Chemical

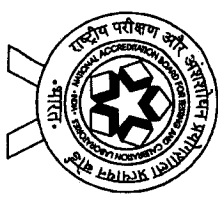
Laboratory Address: 39/6, Thiruvallur High Road, Puduchattam Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements; while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.



SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

ULR - TC611825000023925F
Report No : ENQ250514001-04 (Part A)

Page 1 of 1
Report Date : 17 May 2025

Customer Name : M/s. ASIAN PAINTS LIMITED. (PENTA DIVISION)
Customer Address : B5 - B10, Sipcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 12.05.2025
Sample Drawn By : Laboratory
Sample Location : Sodium Formate Dryer
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.2 m
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Chemical				
1	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	mg/Nm ³	14.1
2	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	10.8
3	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	1104
Volatile Organic Compounds				
4	Methanol	SMSLA/GC/SOP/36 - 2024	mg/m ³	BLQ(LOQ:0.1)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/


M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Pudduchatram Post, Thirumazhisai Via, Poonamallee Taluk, Chennai – 600124.

Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements, while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.



SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT

Report No : ENQ250514001-04 (Part B)

Page 1 of 1
Report Date : 17 May 2025

Customer Name : M/s. ASIAN PAINTS LIMITED, (PENTA DIVISION)
Customer Address : B5 - B10, Sipcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 12.05.2025
Sample Drawn By : Laboratory
Sample Location : Sodium Formate Dryer
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.2 m
Sampling Date : 12 May 2025
Sample Received on : 14 May 2025
Test Started on : 15 May 2025
Test Completed on : 17 May 2025
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Aldehydes				
1	Acetaldehyde	NIOSH 2538 - 1994	mg/m ³	BLQ(LOQ:0.1)
2	Formaldehyde	SMSLA/GC/SOP/60 - 2024	mg/m ³	BLQ(LOQ:0.1)

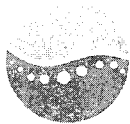
Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

M.C.
M. Sarathkumar
Authorized Signatory-Chemical

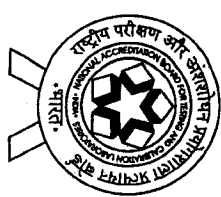
Laboratory Address: 39/6, Thiruvallur High Road, Pudukkottai Post, Thirumazhsai Via, Poomalallee Taluk, Chennai - 600124.

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SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

ULR - TC611825000023927F
Report No : ENQ250514001-05 (Part A)

Page 1 of 1
Report Date : 17 May 2025

Customer Name : M/s. ASIAN PAINTS LIMITED. (PENTA DIVISION)
Customer Address : B5 - B10, Sipcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 12.05.2025
Sample Drawn By : Laboratory
Sample Location : D1 Dryer
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.1 m
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Chemical				
1	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	mg/Nm ³	15.2
2	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	10.5
3	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	268
Volatile Organic Compounds				
4	Methanol	SMSLA/GC/SOP/36 - 2024	mg/m ³	BLQ(LOQ:0.1)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

M.S.
M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address : 39/6, Thiruvallur High Road, Puduchattaram Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

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SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT

Report No : ENQ250514001-05 (Part B)

Page 1 of 1
Report Date : 17 May 2025

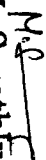
Customer Name : M/s. ASIAN PAINTS LIMITED, (PENTA DIVISION)
Customer Address : B5 - B10, Sipcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 12.05.2025
Sample Drawn By : Laboratory
Sample Location : D1 Dryer
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.1 m
Sampling Date : 12 May 2025
Sample Received on : 14 May 2025
Test Started on : 15 May 2025
Test Completed on : 17 May 2025
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Aldehydes				
1	Acetaldehyde	NIOSH 2538 - 1994	mg/m ³	BLQ(LOQ:0.1)
2	Formaldehyde	SMSLA/GC/SOP/60 - 2024	mg/m ³	BLQ(LOQ:0.1)

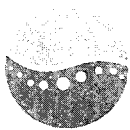
Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/


M. Sarathkumar
Authorized Signatory-Chemical

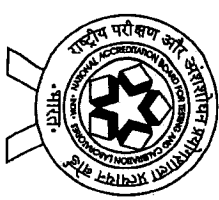
Laboratory Address: 39/6, Thiruvallur High Road, Pudukottai Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

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SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

ULR - TC61182500023928F

Page 1 of 1

Report No : ENQ250514001-06 (Part A)

Report Date : 17 May 2025

Customer Name : M/s. ASIAN PAINTS LIMITED. (PENTA DIVISION)
Customer Address : B5 - B10, Sipcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 12.05.2025
Sample Drawn By : Laboratory
Sample Location : Fluedised Bed Dryer
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.4 m
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Chemical				
1	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	mg/Nm ³	13.8
2	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	10.9
3	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	4486
Volatile Organic Compounds				
4	Methanol	SMSLA/GC/SOP/36 - 2024	mg/m ³	BLQ(LOQ:0.1)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Pudukkottai Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements, while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.



SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT

Page 1 of 1

Report No : ENQ250514001-06 (Part B)

Report Date : 17 May 2025

Customer Name : M/s. ASIAN PAINTS LIMITED. (PENTA DIVISION)
Customer Address : B5 - B10, Sipcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 12.05.2025
Sample Drawn By : Laboratory
Sample Location : Fluidised Bed Dryer
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.4 m
Sampling Date : 12 May 2025
Sample Received on : 14 May 2025
Test Started on : 15 May 2025
Test Completed on : 17 May 2025
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Aldehydes				
1	Acetaldehyde	NIOSH 2538 - 1994	mg/m ³	BLQ(LOQ:0.1)
2	Formaldehyde	SMSLA/GC/SOP/60 - 2024	mg/m ³	BLQ(LOQ:0.1)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Pudukkottai Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Persishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements; while persishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.



SMSLA

SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

ULR - TC61182500023929F
Report No : ENQ250514001-07 (Part A)

Page 1 of 1
Report Date : 17 May 2025

Customer Name : M/s. ASIAN PAINTS LIMITED. (PENTA DIVISION)
Customer Address : B5 - B10, Sippcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 12.05.2025
Sample Drawn By : Laboratory
Sample Location : Mono Dryer
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.2 m
Sampling Date : 12 May 2025
Sample Received on : 14 May 2025
Test Started on : 15 May 2025
Test Completed on : 17 May 2025
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Chemical				
1	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	mg/Nm ³	14.6
2	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	10.1
3	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	1033
Volatile Organic Compounds				
4	Methanol	SMSLA/GC/SOP/36 - 2024	mg/m ³	BLQ(LOQ:0.1)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

M.C
M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Puduchattaram Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

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SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT

Page 1 of 1

Report No : ENQ250514001-07 (Part B)

Report Date : 17 May 2025

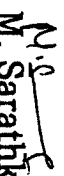
Customer Name : M/s. ASIAN PAINTS LIMITED. (PENTA DIVISION)
Customer Address : B5 - B10, Sipcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 12.05.2025
Sample Drawn By : Laboratory
Sample Location : Mono Dryer
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.2 m
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Aldehydes				
1	Acetaldehyde	NIOSH 2538 - 1994	mg/m ³	BLQ(LOQ:0.1)
2	Formaldehyde	SMSLA/GC/SOP/60 - 2024	mg/m ³	BLQ(LOQ:0.1)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/


M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Pudukkottai Post, Thirumazhisai Via, Poomalloor Taluk, Chennai - 600124.

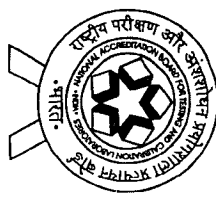
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SMS LABS SERVICES PRIVATE LIMITED

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TEST REPORT



TC-6118

ULR - TC61182500023933F
Report No : ENQ250514001-10

Page 1 of 1
Report Date : 17 May 2025

Customer Name : M/s. ASIAN PAINTS LIMITED. (PENTA DIVISION)
Customer Address : B5 - B10, Sipcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 12.05.2025
Sample Drawn By : Laboratory
Sample Location : Boiler-16 TPH
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Sampling Date : 12 May 2025
Sample Received on : 14 May 2025
Test Started on : 15 May 2025
Test Completed on : 17 May 2025

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Trace Elements				
1	Mercury	EPA 29 - 2017	µg/m3	BLQ(LOQ:0.02)

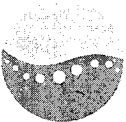
Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

MC
M. Sarathkumar
Authorized Signatory-Chemical

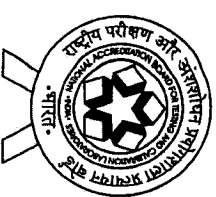
Laboratory Address: 39/6, Thiruvallur High Road, Puduchattaram Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements; while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.



SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

ULR - TC611825000023934F
Report No : ENQ250514001-11

Page 1 of 1
Report Date : 17 May 2025

Customer Name : M/s. ASIAN PAINTS LIMITED. (PENTA DIVISION)
Customer Address : B5 - B10, Sipcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 12.05.2025
Sample Drawn By : Laboratory
Sample Location : Coal Crusher Stack
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.5 m
Sampling Date : 12 May 2025
Sample Received on : 14 May 2025
Test Started on : 15 May 2025
Test Completed on : 17 May 2025
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Chemical				
1	Carbon Dioxide as CO ₂	SMSLA/EN/SOP/017 - 2024	%	Less than 0.1
2	Carbon Monoxide as CO	SMSLA/EN/SOP/017 - 2024	mg/Nm ³	BLQ(LOQ:1.14)
3	Nitrogen Oxides as NO _x	SMSLA/EN/SOP/017 - 2024	mg/Nm ³	BLQ(LOQ:2.0)
4	Oxygen as O ₂	SMSLA/EN/SOP/017 - 2024	%	20.9
5	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	mg/Nm ³	14.9
6	Stack temperature	IS 11255 (Part 03) - 2008 (Reaffirmed 2018)	K	310
7	Sulphur Dioxide as SO ₂	IS 11255 (Part 02) - 1985 (Reaffirmed 2019)	mg/Nm ³	BLQ(LOQ:3.0)
8	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	9.8
9	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	6648

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

***** End of the Report *****

M. S.
M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 19/6, Thiruvallur High Road, Puduchanram Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

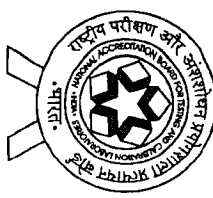
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SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

ULR - TC61182500023934F
Report No : ENQ250514001-11.01

Page 1 of 1
Report Date : 17 May 2025

Customer Name : M/s. ASIAN PAINTS LIMITED. (PENTA DIVISION)
Customer Address : B5 - B10, Sipcot Industrial Complex, Kudlikadu Village, Cuddalore - 607005.
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 12.05.2025
Sample Drawn By : Laboratory
Sample Location : Coal Crusher Stack
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.5 m
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Trace Elements				
1	Mercury	EPA 29 - 2017	µg/m3	BLQ(LOQ:0.02)

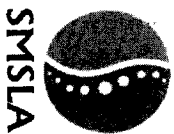
Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

M. Sarathkumar
Authorized Signatory-Chemical

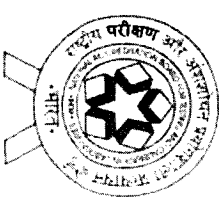
Laboratory Address: 39/6, Thiruvallur High Road, Pudukkottai Post, Thirumazhisai Via, Poomalloor Taluk, Chennai - 600124.

Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements; while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.



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TEST REPORT



TC-6118

U.L.R. - TC61182500029174F
Report No : ENO250618005-01

Page 1 of 1
Report Date : 21 Jun 2025

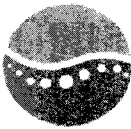
Customer Name : M/s. ASIAN PAINTS LIMITED. (PENTA DIVISION)
Customer Address : B5 - B10, Sipcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 17.06.2025
Sample Drawn By : Laboratory
Sample Location : Boiler 16 TPH
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 1.0 m
TEST RESULTS
Ambient Temperature : 34°C

S.NO	Parameter	Test Method	Unit	Results
Chemical				
1	Carbon Dioxide as CO ₂	SMSLA/EN/SOP/017 - 2024	%	4.5
2	Carbon Monoxide as CO	SMSLA/EN/SOP/017 - 2024	mg/Nm ³	251
3	Nitrogen Oxides as NO _x	SMSLA/EN/SOP/017 - 2024	mg/Nm ³	219
4	Oxygen as O ₂	SMSLA/EN/SOP/017 - 2024	%	13.9
5	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	mg/Nm ³	26.4
6	Stack temperature	IS 11255 (Part 03) - 2008 (Reaffirmed 2018)	K	492
7	Sulphur Dioxide as SO ₂	IS 11255 (Part 02) - 1985 (Reaffirmed 2019)	mg/Nm ³	25.8
8	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	10.9
9	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	18635

/***** End of the Report *****/

M. Sarathkumar
Authorized Signatory-Chemical

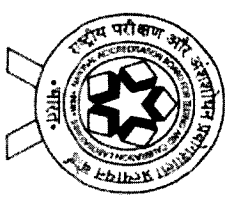
Laboratory Address: 39/6, Thiruvallur High Road, Pudukharam Post, Thirumazhisai Vm, Poonamallee Taluk, Chennai - 600124
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SMSLA

SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

ULR - TC61182500029175F
Report No : ENO250618005-02

Page 1 of 1
Report Date : 21 Jun 2025

Customer Name : M/s. ASIAN PAINTS LIMITED. (PENTA DIVISION)
Customer Address : B5 - B10, Sipcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 17.06.2025
Sample Drawn By : Laboratory
Sample Location : Coal Crusher Stack
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.5 m
Sampling Date : 17 Jun 2025
Sample Received on : 18 Jun 2025
Test Started on : 18 Jun 2025
Test Completed on : 21 Jun 2025
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Chemical				
1	Carbon Dioxide as CO ₂	SMSLA/EN/SOP/017 - 2024	%	Less than 0.1
2	Carbon Monoxide as CO	SMSLA/EN/SOP/017 - 2024	mg/Nm ³	6
3	Nitrogen Oxides as NOx	SMSLA/EN/SOP/017 - 2024	mg/Nm ³	BLQ(LOQ:2.0)
4	Oxygen as O ₂	SMSLA/EN/SOP/017 - 2024	%	20.9
5	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	mg/Nm ³	13.2
6	Stack temperature	IS 11255 (Part 03) - 2008 (Reaffirmed 2018)	K	309
7	Sulphur Dioxide as SO ₂	IS 11255 (Part 02) - 1985 (Reaffirmed 2019)	mg/Nm ³	BLQ(LOQ:3.0)
8	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	10.2
9	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	6941

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Pudukottan Port, Thirumangaludi Vta, Poonamallee Taluk, Chennai - 600124

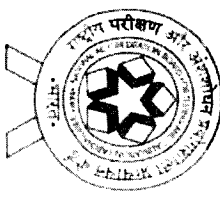
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SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT



TC-6118

ULR - TC61182500029173F

Page 1 of 1

Report No : ENO250618005-02

Report Date : 21 Jun 2025

Customer Name : M/s. ASIAN PAINTS LIMITED. (PENTA DIVISION)

Customer Address : B5 - B10, Sipcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.

Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 17.06.2025
Sample Drawn By : Laboratory
Sample Location : Coal Crusher Stack
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.5 m
Sampling Date : 17 Jun 2025
Sample Received on : 18 Jun 2025
Test Started on : 18 Jun 2025
Test Completed on : 21 Jun 2025
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Trace Elements				
1	Mercury	EPA 29 - 2017	µg/m3	BLQ(LOQ:0.02)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

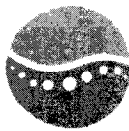
/***** End of the Report *****/

M.R.

M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Puduchattaram Port, Thirunavazhi Vta, Poomamallee Taluk, Chennai - 600124.

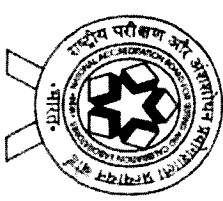
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SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

ULR - TC611825000029176F
Report No : ENO250618005-03

Page 1 of 1
Report Date : 21 Jun 2025

Customer Name : M/s. ASIAN PAINTS LIMITED, (PENTA DIVISION)
Customer Address : B5 - B10, Sippcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 17.06.2025
Sample Drawn By : Laboratory
Sample Location : DG - 600 KVA
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.25 m
Sampling Date : 17 Jun 2025
Sample Received on : 18 Jun 2025
Test Started on : 18 Jun 2025
Test Completed on : 21 Jun 2025
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results	Limit as per CPCB Specification
Chemical					
1	Carbon Dioxide as CO2	SMSLA/EN/SOP/017 - 2024	%	3.1	--
2	Carbon Monoxide as CO	SMSLA/EN/SOP/017 - 2024	g/kw-hr	0.36	3.5 Max
3	Nitrogen Oxides as NOx	SMSLA/EN/SOP/017 - 2024	g/kw-hr	0.31	0.40 Max
4	Oxygen as O2	SMSLA/EN/SOP/017 - 2024	%	16.3	--
5	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	g/kw-hr	0.009	0.02 Max
6	Stack temperature	IS 11255 (Part 03) - 2008 (Reaffirmed 2018)	K	404	--
7	Sulphur Dioxide as SO2	IS 11255 (Part 02) - 1985 (Reaffirmed 2019)	mg/Nm³	28.3	--
8	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	9.7	--
9	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm³/hr	1262	--

Conclusion : The above tested Sample Conforms to the CPCB Standards for the above tested Parameters.

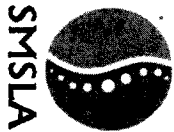
/***** End of the Report *****/

MS

M. Sarathkumar
Authorized Signatory-Chemical

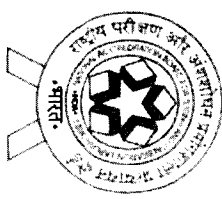
Laboratory Address: 34/6, Thiruvallur High Road, Pudukkottai Port, Thirumalaisai Vii, Poonamallee Taluk, Chennai - 600124.

Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements; while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.



SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

ULR - TC611825000029177F

Page 1 of 1

Report No : ENO250618005-04

Report Date : 21 Jun 2025

Customer Name : M/s. ASIAN PAINTS LIMITED. (PENTA DIVISION)

Customer Address : B5 - B10, Sipcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.

Sample Description : Stack Emission Monitoring

Sampling Date : 17 Jun 2025

Reference : Test Request Form Dated 17.06.2025

Sample Received on : 18 Jun 2025

Sample Drawn By : Laboratory

Test Started on : 18 Jun 2025

Sample Location : DG - 500 KVA

Test Completed on : 21 Jun 2025

Sampling Procedure : IS 11255 & SMSL/A/EN/SOP/017

Diameter of Stack (m) : 0.25 m

Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results	Limit as per CPCB Specification
Chemical					
1	Carbon Dioxide as CO ₂	SMSL/A/EN/SOP/017 - 2024	%	2.2	--
2	Carbon Monoxide as CO	SMSL/A/EN/SOP/017 - 2024	g/kw-hr	0.26	3.5 Max
3	Nitrogen Oxides as NO _x	SMSL/A/EN/SOP/017 - 2024	g/kw-hr	0.21	0.40 Max
4	Oxygen as O ₂	SMSL/A/EN/SOP/017 - 2024	%	16.7	--
5	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	g/kw-hr	0.008	0.02 Max
6	Stack temperature	IS 11255 (Part 03) - 2008 (Reaffirmed 2018)	K	404	--
7	Sulphur Dioxide as SO ₂	IS 11255 (Part 02) - 1985 (Reaffirmed 2019)	mg/Nm ³	26.1	--
8	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	9.2	--
9	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	1575	--

Conclusion : The above tested Sample Conforms to the CPCB Standards for the above tested Parameters.

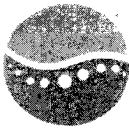
/***** End of the Report *****/

M. Sarathkumar

M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Pudukkottai Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

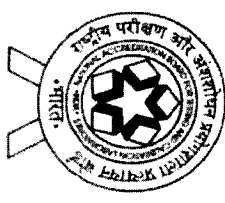
Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements, while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.



SMSLA

SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

ULR - TC61182500029178F
Report No : ENO250618005-05

Page 1 of 1
Report Date : 21 Jun 2025

Customer Name : M/s. ASIAN PAINTS LIMITED. (PENTA DIVISION)
Customer Address : B5 - B10, Sipcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 17.06.2025
Sample Drawn By : Laboratory
Sample Location : Boiler 16 TPH (Mercury - Hg Stack)
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Sampling Date : 17 Jun 2025
Sample Received on : 18 Jun 2025
Test Started on : 19 Jun 2025
Test Completed on : 21 Jun 2025

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Trace Elements				
1	Mercury	EPA 29 - 2017	µg/m3	BLQ(LOQ:0.02)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

M.S.

M. Sarathkumar
Authorized Signatory-Chemical

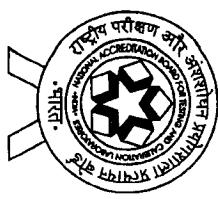
Laboratory Address: 39/6, Thiruvallur High Road, Pudukkottai Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements; while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted



SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

ULR - TC611825000030762F
Report No : ENO250627006-01 (Part A)

Page 1 of 1
Report Date : 01 Jul 2025

Customer Name : M/s. ASIAN PAINTS LIMITED. (PENTA DIVISION)
Customer Address : B5 - B10, Sipcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 26.06.2025
Sample Drawn By : Laboratory
Sample Location : Mono Dryer (New)
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.2 m
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Chemical				
1	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	mg/Nm ³	13.9
2	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	8.9
3	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	913
Volatile Organic Compounds				
4	Methanol	SMSLA/GC/SOP/36 - 2024	mg/m ³	BLQ(LOQ:0.1)

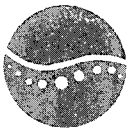
Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

M.S.
M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Pudukkottai Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements; while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.



SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT

Report No : ENO250627006-01 (Part B)

Page 1 of 1
Report Date : 01 Jul 2025

Customer Name : M/s. ASIAN PAINTS LIMITED. (PENTA DIVISION)

Customer Address : B5 - B10, Sipcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.

Sample Description : Stack Emission Monitoring

Sampling Date : 26 Jun 2025

Reference : Test Request Form Dated 26.06.2025

Sample Received on : 27 Jun 2025

Sample Drawn By : Laboratory

Test Started on : 27 Jun 2025

Sample Location : Mono Dryer (New)

Test Completed on : 01 Jul 2025

Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017

Diameter of Stack (m) : 0.2 m

Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Aldehydes				
1	Acetaldehyde	NIOSH 2538 - 1994	mg/m ³	BLQ(LOQ:0.1)
2	Formaldehyde	SMSLA/GC/SOP/60 - 2024	mg/m ³	BLQ(LOQ:0.1)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

M.S. 
M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Puduchattaram Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

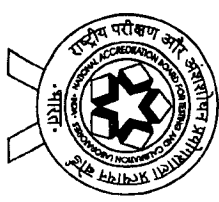
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TEST REPORT



TC-6118

ULR - TC611825000030764F
Report No : ENO250627006-02 (Part A)

Page 1 of 1
Report Date : 01 Jul 2025

Customer Name : M/s. ASIAN PAINTS LIMITED. (PENTA DIVISION)
Customer Address : B5 - B10, Sipcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 26.06.2025
Sample Drawn By : Laboratory
Sample Location : Fluedised Bad Dryer
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.4 m
Sampling Date : 26 Jun 2025
Sample Received on : 27 Jun 2025
Test Started on : 27 Jun 2025
Test Completed on : 01 Jul 2025
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Chemical				
1	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	mg/Nm ³	15.7
2	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	7.4
3	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	3212
Volatile Organic Compounds				
4	Methanol	SMSLA/GC/SOP/36 - 2024	mg/m ³	BLQ(LOQ:0.1)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

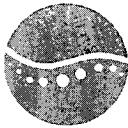
/***** End of the Report *****/

N.S.

M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Pudukharam Post, Thirumazhisai Via, Poomalallee Taluk, Chennai – 600124.

Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements; while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.



SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT

Report No : ENO250627006-02 (Part B)

Page 1 of 1
Report Date : 01 Jul 2025

Customer Name : M/s. ASIAN PAINTS LIMITED. (PENTA DIVISION)
Customer Address : B5 - B10, Sipcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 26.06.2025
Sample Drawn By : Laboratory
Sample Location : Fluedised Bad Dryer
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.4 m
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Aldehydes				
1	Acetaldehyde	NIOSH 2538 - 1994	mg/m ³	BLQ(LOQ:0.1)
2	Formaldehyde	SMSLA/GC/SOP/60 - 2024	mg/m ³	BLQ(LOQ:0.1)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

M. Sarathkumar

M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Pudukottai Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

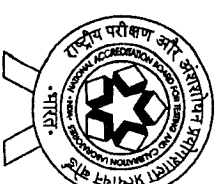
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SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

ULR - TC61182500030765F
Report No : ENO250627006-03 (Part A)

Page 1 of 1
Report Date : 01 Jul 2025

Customer Name : M/s. ASIAN PAINTS LIMITED. (PENTA DIVISION)
Customer Address : B5 - B10, Sipcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 26.06.2025
Sample Drawn By : Laboratory
Sample Location : Mono Dryer (Old)
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.2 m
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Chemical				
1	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	mg/Nm ³	14.7
2	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	9.8
3	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	993
Volatile Organic Compounds				
4	Methanol	SMSLA/GC/SOP/36 - 2024	mg/m ³	BLQ(LOQ:0.1)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

M.S.T

M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Puduchattaram Post, Thirumazhisai Via, Ponnammallee Taluk, Chennai - 600124.

Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements; while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.



SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT

Report No : ENO250627006-03 (Part B)

Page 1 of 1
Report Date : 01 Jul 2025

Customer Name : M/s. ASIAN PAINTS LIMITED. (PENTA DIVISION)
Customer Address : B5 - B10, Sipcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 26.06.2025
Sample Drawn By : Laboratory
Sample Location : Mono Dryer (Old)
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.2 m
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Aldehydes				
1	Acetaldehyde	NIOSH 2538 - 1994	mg/m ³	BLQ(LOQ:0.1)
2	Formaldehyde	SMSLA/GC/SOP/60 - 2024	mg/m ³	BLQ(LOQ:0.1)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

MS
M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Puduchatram Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

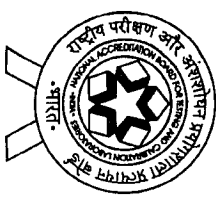
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SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

ULR - TC611825000030766F

Page 1 of 1

Report No : ENO250627006-04 (Part A)

Report Date : 01 Jul 2025

Customer Name : M/s. ASIAN PAINTS LIMITED. (PENTA DIVISION)

Customer Address : B5 - B10, Sipcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.

Sample Description : Stack Emission Monitoring

Sampling Date : 26 Jun 2025

Reference : Test Request Form Dated 26.06.2025

Sample Received on : 27 Jun 2025

Sample Drawn By : Laboratory

Test Started on : 27 Jun 2025

Sample Location : D1 Dryer

Test Completed on : 01 Jul 2025

Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017

Diameter of Stack (m) : 0.1 m

Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Chemical				
1	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	mg/Nm ³	16.8
2	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	10.1
3	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	272
Volatile Organic Compounds				
4	Methanol	SMSLA/GC/SOP/36 - 2024	mg/m ³	BLQ(LOQ:0.1)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

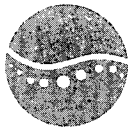
/***** End of the Report *****/

M.S. Sarathkumar

M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Pudukkottai Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements; while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.



SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT

Report No : ENO250627006-04 (Part B)

Page 1 of 1
Report Date : 01 Jul 2025

Customer Name : M/s. ASIAN PAINTS LIMITED, (PENTA DIVISION)
Customer Address : B5 - B10, Sipcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 26.06.2025
Sample Drawn By : Laboratory
Sample Location : D1 Dryer
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.1 m
TEST RESULTS
Ambient Temperature : 34°C

S.NO	Parameter	Test Method	Unit	Results
Aldehydes				
1	Acetaldehyde	NIOSH 2538 - 1994	mg/m ³	BLQ(LOQ:0.1)
2	Formaldehyde	SMSLA/GC/SOP/60 - 2024	mg/m ³	BLQ(LOQ:0.1)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

M.S.T
M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Puduchattaram Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124

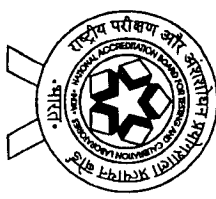
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SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT



TC-6118

ULR - TC611825000030767F

Page 1 of 1

Report No : ENO250627006-05 (Part A)

Report Date : 01 Jul 2025

Customer Name : M/s. ASIAN PAINTS LIMITED. (PENTA DIVISION)

Customer Address : B5 - B10, Sipcot Industrial Complex, Kudlikadu Village, Cuddalore - 607005.

Sample Description : Stack Emission Monitoring **Sampling Date** : 26 Jun 2025

Reference : Test Request Form Dated 26.06.2025 **Sample Received on** : 27 Jun 2025

Sample Drawn By : Laboratory **Test Started on** : 27 Jun 2025

Sample Location : Sodium Formate Dryer **Test Completed on** : 01 Jul 2025

Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017

Diameter of Stack (m) : 0.2 m **Ambient Temperature** : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Chemical				
1	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	mg/Nm ³	15.6
2	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	8.1
3	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	849
Volatile Organic Compounds				
4	Methanol	SMSLA/GC/SOP/36 - 2024	mg/m ³	BLQ(LOQ:0.1)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

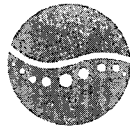
/***** End of the Report *****/

M.S.T

M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Puduchattaram Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Persistent remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements, while persistent and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.



SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT

Report No : ENO250627006-05 (Part B)

Page 1 of 1
Report Date : 01 Jul 2025

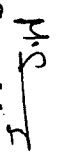
Customer Name : M/s. ASIAN PAINTS LIMITED. (PENTA DIVISION)
Customer Address : B5 - B10, Sipcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 26.06.2025
Sample Drawn By : Laboratory
Sample Location : Sodium Formate Dryer
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.2 m
Sampling Date : 26 Jun 2025
Sample Received on : 27 Jun 2025
Test Started on : 27 Jun 2025
Test Completed on : 01 Jul 2025
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Aldehydes				
1	Acetaldehyde	NIOSH 2538 - 1994	mg/m ³	BLQ(LOQ:0.1)
2	Formaldehyde	SMSLA/GC/SOP/60 - 2024	mg/m ³	BLQ(LOQ:0.1)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/


M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Puduchattaram Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

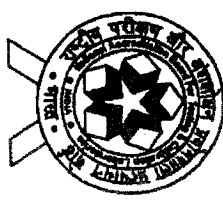
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SMSLA

SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

ULR - TC611825000032944F
Report No : ENQ250709010-01

Page 1 of 1
Report Date : 14 Jul 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005.
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 08.07.2025
Sample Drawn By : Laboratory
Sample Location : Boiler 16 TPH
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 1.0 m
Ambient Temperature : 34°C

TEST RESULTS

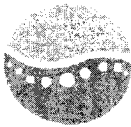
S.NO	Parameter	Test Method	Unit	Results
Chemical				
1	Carbon Dioxide as CO ₂	SMSLA/EN/SOP/017 - 2024	%	5.1
2	Carbon Monoxide as CO	SMSLA/EN/SOP/017 - 2024	mg/Nm ³	236
3	Nitrogen Oxides as NO _x	SMSLA/EN/SOP/017 - 2024	mg/Nm ³	275
4	Oxygen as O ₂	SMSLA/EN/SOP/017 - 2024	%	12.9
5	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	mg/Nm ³	27.4
6	Stack temperature	IS 11255 (Part 03) - 2008 (Reaffirmed 2018)	K	512
7	Sulphur Dioxide as SO ₂	IS 11255 (Part 02) - 1985 (Reaffirmed 2019)	mg/Nm ³	26.8
8	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	9.6
9	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	15771

/***** End of the Report *****/

M. Q. C
M. Sarathkumar
Authorized Signatory-Chemical

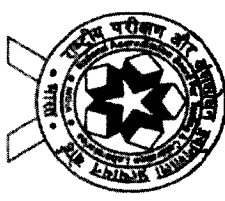
Laboratory Address: 39/6, Thiruvallur High Road, Pudukottam Post, Thirumachisai Via, Poonamallee Taluk, Chennai - 600124.

Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Petishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements, while petishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.



SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

ULR - TC611825000032954F
Report No : ENQ250709010-10

Page 1 of 1
Report Date: 14 Jul 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005.
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 08.07.2025
Sample Drawn By : Laboratory
Sample Location : Boiler-16 TPH
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017

Sampling Date : 08 Jul 2025
Sample Received on : 09 Jul 2025
Test Started on : 10 Jul 2025
Test Completed on : 12 Jul 2025

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Trace Elements				
1	Mercury	EPA 29 - 2017	µg/m3	BLQ(LOQ:0.020)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

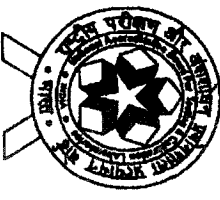

M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Pudukottai Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements, while perishable and environmental remnant sample will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is are said to be extracted.



SMS LABS SERVICES PRIVATE LIMITED



SMSLA

TEST REPORT

TC-6118

ULR - TC61182500032945F

Report No : ENQ250709010-02

Page 1 of 1

Report Date : 14 Jul 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005.
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 08.07.2025
Sample Drawn By : Laboratory
Sample Location : DG 600 KVA
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.25 m
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results	Limit as per CPCB Specification
Chemical					
1	Carbon Dioxide as CO2	SMSLA/EN/SOP/017 - 2024	%	3.0	--
2	Carbon Monoxide as CO	SMSLA/EN/SOP/017 - 2024	g/kw-hr	0.32	3.5 Max
3	Nitrogen Oxides as NOx	SMSLA/EN/SOP/017 - 2024	g/kw-hr	0.29	0.40 Max
4	Oxygen as O2	SMSLA/EN/SOP/017 - 2024	%	16.8	--
5	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	g/kw-hr	0.009	0.02 Max
6	Stack temperature	IS 11255 (Part 03) - 2008 (Reaffirmed 2018)	K	400	--
7	Sulphur Dioxide as SO2	IS 11255 (Part 02) - 1985 (Reaffirmed 2019)	mg/Nm ³	28.9	--
8	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	11.6	--
9	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	1525	--

Conclusion : The above tested Sample Conforms to the CPCB Standards for the above tested Parameters.

/***** End of the Report *****/

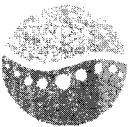
M.S.

M. Sarathkumar

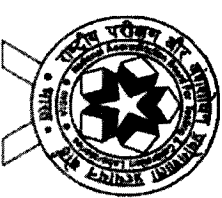
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Pudukottai Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements, while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.



SMS LABS SERVICES PRIVATE LIMITED



SMSLA

TEST REPORT

TC-6118

ULR - TC611825000032946F

Page 1 of 1

Report No : ENQ250709010-03

Report Date : 14 Jul 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005.
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 08.07.2025
Sample Drawn By : Laboratory
Sample Location : DG 500 KVA
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.25 m
Sampling Date : 08 Jul 2025
Sample Received on : 09 Jul 2025
Test Started on : 09 Jul 2025
Test Completed on : 11 Jul 2025
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results	Limit as per CPCB Specification
Chemical					
1	Carbon Dioxide as CO ₂	SMSLA/EN/SOP/017 - 2024	%	3.1	--
2	Carbon Monoxide as CO	SMSLA/EN/SOP/017 - 2024	g/kw-hr	0.26	3.5 Max
3	Nitrogen Oxides as NOx	SMSLA/EN/SOP/017 - 2024	g/kw-hr	0.31	0.40 Max
4	Oxygen as O ₂	SMSLA/EN/SOP/017 - 2024	%	16.5	--
5	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	g/kw-hr	0.008	0.02 Max
6	Stack temperature	IS 11255 (Part 03) - 2008 (Reaffirmed 2018)	K	403	--
7	Sulphur Dioxide as SO ₂	IS 11255 (Part 02) - 1985 (Reaffirmed 2019)	mg/Nm ³	25.8	--
8	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	10.9	--
9	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	1422	--

Conclusion : The above tested Sample Conforms to the CPCB Standards for the above tested Parameters.

/***** End of the Report *****/

M. Sarathkumar
Authorized Signatory-Chemical

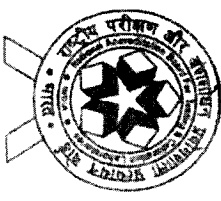
Laboratory Address: 39/6, Thiruvallur High Road, Pudukkottai Post, Thirunavazhi Vias, Poonamallee Taluk, Chennai - 600124.

Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements, while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.



SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

SMSLA

ULR - TC611825000032948F

Page 1 of 1

Report No : ENQ250709010-04 (Part A)

Report Date: 14 Jul 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 08.07.2025
Sample Drawn By : Laboratory
Sample Location : Sodium Formate Dryer
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.2 m
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Chemical				
1	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	mg/Nm ³	15.2
2	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	10.3
3	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	1070
Volatile Organic Compounds				
4	Methanol	SMSLA/GC/SOP/36 - 2024	mg/m ³	BLQ(LOQ:0.1)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

M.S.C

M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Puduchattaram Post, Thirumazhisai Via, Poomamallee Taluk, Chennai - 600124

Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements; while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted



SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT

Report No : ENQ250709010-04 (Part B)

Page 1 of 1
Report Date : 14 Jul 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005.
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 08.07.2025
Sample Drawn By : Laboratory
Sample Location : Sodium Formate Dryer
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.2 m
Sampling Date : 08 Jul 2025
Sample Received on : 09 Jul 2025
Test Started on : 09 Jul 2025
Test Completed on : 12 Jul 2025
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Aldehydes				
1	Formaldehyde	SMSLA/QC/SOP/60 - 2024	mg/m ³	BLQ(LOQ:0.1)
2	Acetaldehyde	NIOSH 2538 - 1994	mg/m ³	BLQ(LOQ:0.1)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

M. Sarathkumar
Authorized Signatory-Chemical

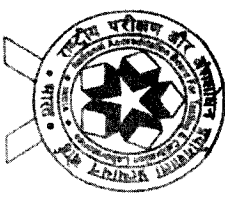
Laboratory Address: 39/6, Thiruvallur High Road, Puduchattaram Post, Thirumazhisai Vii, Poonamallee Taluk, Chennai - 600124.

Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements, while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted



SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

SMSLA

ULR - TC611825000032949F

Page 1 of 1

Report No : ENQ250709010-05 (Part A)

Report Date : 14 Jul 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005.

Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 08.07.2025
Sample Drawn By : Laboratory
Sample Location : D1 Dryer
Sampling Procedure : IS 11255 & SMSLA/ENSOP/017
Diameter of Stack (m) : 0.1 m
Sampling Date : 08 Jul 2025
Sample Received on : 09 Jul 2025
Test Started on : 09 Jul 2025
Test Completed on : 12 Jul 2025
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Chemical				
1	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	mg/Nm ³	14.8
2	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	10.9
3	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	291
Volatile Organic Compounds				
4	Methanol	SMSLA/GC/SOP/36 - 2024	mg/m ³	BLQ(LOQ:0.1)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

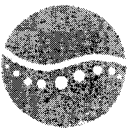
/***** End of the Report *****/

Md

M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Pudukkottai Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements, while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.



SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT

Report No : ENQ250709010-05 (Part B)

Page 1 of 1
Report Date : 14 Jul 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005.
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 08.07.2025
Sample Drawn By : Laboratory
Sample Location : D1 Dryer
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.1 m
Sampling Date : 08 Jul 2025
Sample Received on : 09 Jul 2025
Test Started on : 09 Jul 2025
Test Completed on : 12 Jul 2025
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Aldehydes				
1	Formaldehyde	SMSLA/QC/SOP/60 - 2024	mg/m ³	BLQ(LOQ:0.1)
2	Acetaldehyde	NIOSH 2538 - 1994	mg/m ³	BLQ(LOQ:0.1)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

M.E

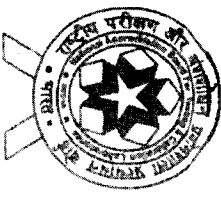
M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Puduchattaram Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124

Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Pertestable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements, while pertestable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.



SMS LABS SERVICES PRIVATE LIMITED



SMSLA

TEST REPORT

TC-6118

ULR - TCG1182500032950F

Report No : ENQ250709010-06 (Part A)

Page 1 of 1

Report Date : 14 Jul 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005.
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 08.07.2025
Sample Drawn By : Laboratory
Sample Location : Fluedised Bed Dryer
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.4 m
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Chemical				
1	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	mg/Nm ³	16.1
2	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	10.7
3	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	4572
Volatile Organic Compounds				
4	Methanol	SMSLA/GC/SOP/36 - 2024	mg/m ³	BLQ(LOQ:0.1)

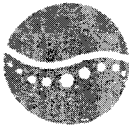
Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Puduchattaram Post, Thirumathurai Vln, Poomalallee Taluk, Chennai - 600124.

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SMSLA

SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT

Report No : ENQ250709010-06 (Part B)

Page 1 of 1
Report Date : 14 Jul 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudlikadu Village, Cuddalore-607005.
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 08.07.2025
Sample Drawn By : Laboratory
Sample Location : Fluedised Bed Dryer
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.4 m
Sampling Date : 08 Jul 2025
Sample Received on : 09 Jul 2025
Test Started on : 09 Jul 2025
Test Completed on : 12 Jul 2025
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Aldehydes				
1	Formaldehyde	SMSLA/GC/SOP/60 - 2024	mg/m ³	BLQ(LOQ:0.1)
2	Acetaldehyde	NIOSH 2538 - 1994	mg/m ³	BLQ(LOQ:0.1)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

N.R.

M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thinnaiyallur High Road, Pudukottanram Post, Thinnamathurai Via, Ponnamballur Taluk, Chennai - 600124.

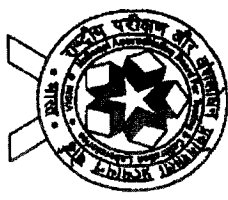
Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Persistent remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements; while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.



SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT



TC-6118

ULR - TCG1182500032951F

Page 1 of 1

Report No : ENQ250709010-07 (Part A)

Report Date : 14 Jul 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005.

Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 08.07.2025
Sample Drawn By : Laboratory
Sample Location : Mono Dryer (New)
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.2 m
Sampling Date : 08 Jul 2025
Sample Received on : 09 Jul 2025
Test Started on : 09 Jul 2025
Test Completed on : 12 Jul 2025
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Chemical				
1	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	mg/Nm ³	12.6
2	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	9.9
3	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	1031
Volatile Organic Compounds				
4	Methanol	SMSLA/GC/SOP/36 - 2024	mg/m ³	BLQ(LOQ:0.1)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

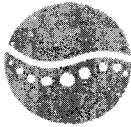
/***** End of the Report *****/

MS

M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address : 30/6, Thiruvallur High Road, Pudukkottai Post, Thirumangaludi Vn, Pudukkottai Taluk, Chennai - 600124.

Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements, while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.



SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT

Report No : ENQ250709010-07 (Part B)

Page 1 of 1
Report Date : 14 Jul 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005.
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 08.07.2025
Sample Drawn By : Laboratory
Sample Location : Mono Dryer (New)
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.2 m
Sampling Date : 08 Jul 2025
Sample Received on : 09 Jul 2025
Test Started on : 09 Jul 2025
Test Completed on : 12 Jul 2025
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Aldehydes				
1	Formaldehyde	SMSLA/QC/SOP/60 - 2024	mg/m ³	BLQ(LOQ:0.1)
2	Acetaldehyde	NIOSH 2538 - 1994	mg/m ³	BLQ(LOQ:0.1)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

MS

M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Puthuchattaram Post, Thirunavazhisi, Via, Poonamallee Taluk, Chennai - 600124.

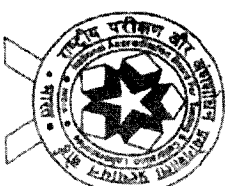
Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements, while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is said to be extracted.



SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT



TC-6118

U/LR - TC61182500032952F

Page 1 of 1

Report No : ENQ250709010-08 (Part A)

Report Date : 14 Jul 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005.

Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 08.07.2025
Sample Drawn By : Laboratory
Sample Location : Mono Dryer (Old)
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.2 m
Sampling Date : 08 Jul 2025
Sample Received on : 09 Jul 2025
Test Started on : 09 Jul 2025
Test Completed on : 12 Jul 2025
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Chemical				
1	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	mg/Nm ³	15.4
2	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	10.2
3	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	1025
Volatile Organic Compounds				
4	Methanol	SMSLA/GC/SOP/36 - 2024	mg/m ³	BLQ(LOQ:0.1)

Note : BLQ : Below Limit of Quantification. LOQ : Limit of Quantification.

/***** End of the Report *****/

MS

M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Poduchattaram Post, Thirumazhisai Vln, Poonamallee Taluk, Chennai - 600124.

Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements, while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.



SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT

Report No : ENQ250709010-08 (Part B)

Page 1 of 1
Report Date : 14 Jul 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005.
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 08.07.2025
Sample Drawn By : Laboratory
Sample Location : Mono Dryer (Old)
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.2 m
Sampling Date : 08 Jul 2025
Sample Received on : 09 Jul 2025
Test Started on : 09 Jul 2025
Test Completed on : 12 Jul 2025
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Aldehydes				
1	Formaldehyde	SMSLA/GC/SOP/60 - 2024	mg/m ³	BLQ(LOQ:0.1)
2	Acetaldehyde	NIOSH 2538 - 1994	mg/m ³	BLQ(LOQ:0.1)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

M.S.
M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Pudukottanur Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

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SMSLA

SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT

Page 1 of 1

Report No : ENQ250709010-08 (Part B)

Report Date : 14 Jul 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005.

Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 08.07.2025
Sample Drawn By : Laboratory
Sample Location : Mono Dryer (Old)
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.2 m
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Aldehydes				
1	Formaldehyde	SMSLA/GC/SOP/60 - 2024	mg/m ³	BLQ(LOQ:0.1)
2	Acetaldehyde	NIOSH 2538 - 1994	mg/m ³	BLQ(LOQ:0.1)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

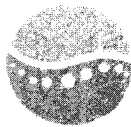
M.S.

M. Sarathkumar

Authorized Signatory-Chemical

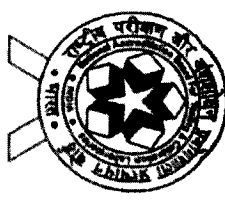
Laboratory Address: 39/6, Thiruvallur High Road, Puduchattaram Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

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SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

ULR - TC61182500032953F
Report No : ENQ250709010-09

Page 1 of 1
Report Date: 14 Jul 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 08.07.2025
Sample Drawn By : Laboratory
Sample Location : Coal Crusher Stack
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.5 m
Sampling Date : 08 Jul 2025
Sample Received on : 09 Jul 2025
Test Started on : 09 Jul 2025
Test Completed on : 11 Jul 2025
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Chemical				
1	Carbon Dioxide as CO ₂	SMSLA/EN/SOP/017 - 2024	%	Less than 0.1
2	Carbon Monoxide as CO	SMSLA/EN/SOP/017 - 2024	mg/Nm ³	BLQ(LOQ:1.14)
3	Nitrogen Oxides as NO _x	SMSLA/EN/SOP/017 - 2024	mg/Nm ³	BLQ(LOQ:2.0)
4	Oxygen as O ₂	SMSLA/EN/SOP/017 - 2024	%	20.9
5	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	mg/Nm ³	15.6
6	Stack temperature	IS 11255 (Part 03) - 2008 (Reaffirmed 2018)	K	310
7	Sulphur Dioxide as SO ₂	IS 11255 (Part 02) - 1985 (Reaffirmed 2019)	mg/Nm ³	BLQ(LOQ:3.0)
8	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	12.1
9	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	8209

Note : BLQ : Below Limit of Quantification (LOQ) : Limit of Quantification.

/***** End of the Report *****/

M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Pudukottan Pal, Thirumangaludi Vra, Ponnampalay Taluk, Chennai - 600124.

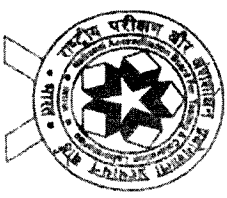
Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements, while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is are said to be extracted.



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SMSLA

TEST REPORT



TC-6118

ULR - TCG1182500032955F

Report No : ENQ250709010-11

Page 1 of 1

Report Date : 14 Jul 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005.

Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 08.07.2025
Sample Drawn By : Laboratory
Sample Location : Coal Crusher Stack
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.5 m
Sampling Date : 08 Jul 2025
Sample Received on : 09 Jul 2025
Test Started on : 10 Jul 2025
Test Completed on : 12 Jul 2025
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Trace Elements				
1	Mercury	EPA 29 - 2017	µg/m ³	BLQ(LOQ:0.020)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

M.S.

M. Sarathkumar

Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Puthuchatram Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

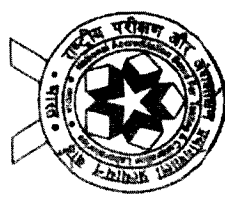
Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements; while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.



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SMSLA

TEST REPORT



TC-6118

ULR - TC61182500039457F

Report No : ENO250813013-13

Page 1 of 1

Report Date : 18 Aug 2025

Customer Name : M/s. Asian Palms Limited. (Penta Division)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005.
Sample Description : Stack Monitoring
Reference : Test Request Form Dated 11.08.2025
Sample Drawn By : Laboratory
Sample Location : Coal Crusher Stack
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.5 m
Sampling Date : 11 Aug 2025
Sample Received on : 13 Aug 2025
Test Started on : 14 Aug 2025
Test Completed on : 18 Aug 2025
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Chemical				
1	Carbon Dioxide as CO ₂	SMSLA/EN/SOP/017 - 2024	%	Less than 0.1
2	Carbon Monoxide as CO	SMSLA/EN/SOP/017 - 2024	mg/Nm ³	BLQ(LOQ:1.14)
3	Nitrogen Oxides as NOx	SMSLA/EN/SOP/017 - 2024	mg/Nm ³	BLQ(LOQ:2.0)
4	Oxygen as O ₂	SMSLA/EN/SOP/017 - 2024	%	18.2
5	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	mg/Nm ³	13.5
6	Stack temperature	IS 11255 (Part 03) - 2008 (Reaffirmed 2018)	K	311
7	Sulphur Dioxide as SO ₂	IS 11255 (Part 02) - 1985 (Reaffirmed 2019)	mg/Nm ³	BLQ(LOQ:3.0)
8	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	11.8
9	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	7978

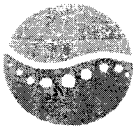
Note: BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

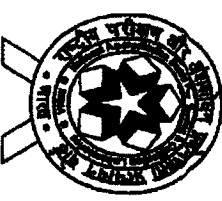
M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: No.39/6, Pudukottam, Thiruvallur High Road, Thirumadhurai Via, Poonamallee TK, Thiruvallur, Chennai, Tamil Nadu, India

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SMS LABS SERVICES PRIVATE LIMITED



SMSLA

TEST REPORT

TC-6118

ULR - TC61182500039451F
Report No : ENO250813013-08

Page 1 of 1
Report Date : 18 Aug 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005.
Sample Description : Stack Monitoring
Reference : Test Request Form Dated 11.08.2025
Sample Drawn By : Laboratory
Sample Location : Coal Crusher Stack
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.5 m
Sampling Date : 11 Aug 2025
Sample Received on : 13 Aug 2025
Test Started on : 14 Aug 2025
Test Completed on : 18 Aug 2025
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Trace Elements				
1	Mercury	EPA 29 - 2017	mg/m3	BLQ(LOQ:0.00002)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

M.Q.

M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: No 39/6, Puduchattaram, Thiruvallur High Road, Thirumazhaisi Via, Poonamallee TK, Thiruvallur, Chennai, Tamil Nadu, India

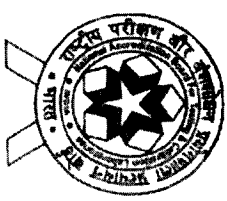
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SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT



TC-6118

ULR - TC611825000041010F

Page 1 of 1

Report No : ENQ250825024-02 (Part A)

Report Date : 26 Aug 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005.

Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 23.08.2025
Sample Drawn By : Laboratory
Sample Location : Fluedised Bed Dryer
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.4 m
Sampling Date : 23 Aug 2025
Sample Received on : 25 Aug 2025
Test Started on : 25 Aug 2025
Test Completed on : 26 Aug 2025
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Chemical				
1	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	mg/Nm ³	15.2
2	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	8.9
3	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	3597
Volatile Organic Compounds (VOCs)				
4	Methanol	SMSLA/GC/SOP/36 - 2024	mg/m ³	BLQ(LOQ:0.100)

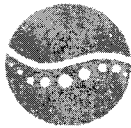
Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

M.S.
M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: No 39/6, Puduchatram, Thiruvallur High Road, Thirumazhisai Via, Poonamallee Tk, Thiruvallur, Chennai, Tamil Nadu, India

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SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT

Report No : ENQ250825024-02 (Part B)

Page 1 of 1
Report Date : 26 Aug 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B-5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005.
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 23.08.2025
Sample Drawn By : Laboratory
Sample Location : Fluedised Bed Dryer
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.4 m
Sampling Date : 23 Aug 2025
Sample Received on : 25 Aug 2025
Test Started on : 25 Aug 2025
Test Completed on : 26 Aug 2025
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Aldehydes				
1	Formaldehyde	SMSLA/GC/SOP/60 - 2024	mg/m ³	BLQ(LOQ:0.100)
2	Acetaldehyde	NIOSH 2538 - 1994	mg/m ³	BLQ(LOQ:0.100)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

M.S.

M. Sarathkumar

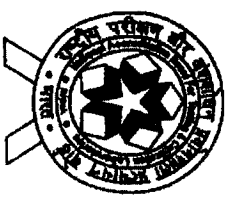
Authorized Signatory-Chemical

Laboratory Address: No 39/6, Puduchattaram, Thiruvallur High Road, Thirunavazhisi Via, Poonamallee Tk, Thiruvallur, Chennai, Tamil Nadu, India

Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements, while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted



SMS LABS SERVICES PRIVATE LIMITED



SMSLA

TEST REPORT

TC-6118

ULR - TC61182500039436F

Page 1 of 1

Report No : ENO250813013-01

Report Date : 18 Aug 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005.
Sample Description : Stack Monitoring
Reference : Test Request Form Dated 11.08.2025
Sample Drawn By : Laboratory
Sample Location : Boiler 16 TPH
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 1.0 m
Sampling Date : 11 Aug 2025
Sample Received on : 13 Aug 2025
Test Started on : 13 Aug 2025
Test Completed on : 18 Aug 2025
Ambient Temperature : 34°C

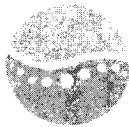
TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Chemical				
1	Carbon Dioxide as CO ₂	SMSLA/EN/SOP/017 - 2024	%	6.5
2	Carbon Monoxide as CO	SMSLA/EN/SOP/017 - 2024	mg/Nm ³	994
3	Nitrogen Oxides as NO _x	SMSLA/EN/SOP/017 - 2024	mg/Nm ³	329
4	Oxygen as O ₂	SMSLA/EN/SOP/017 - 2024	%	9.5
5	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	mg/Nm ³	28.9
6	Stack temperature	IS 11255 (Part 03) - 2008 (Reaffirmed 2018)	K	417
7	Sulphur Dioxide as SO ₂	IS 11255 (Part 02) - 1985 (Reaffirmed 2019)	mg/Nm ³	27.1
8	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	10.5
9	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	21179

/***** End of the Report *****/

M.S.
M. Sarathkumar
Authorized Signatory-Chemical

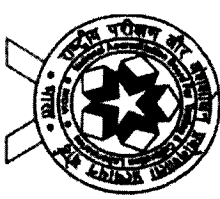
Laboratory Address: No 39/6, Pudukchattram, Thiruvallur High Road, Thirumazhisai Vta, Poonamallee Tk, Thiruvallur, Chennai, Tamil Nadu, India
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SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT



TC-6118

ULR - TC61182500039456F

Page 1 of 1

Report No : ENO250813013-12

Report Date : 18 Aug 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005.
Sample Description : Stack Monitoring
Reference : Test Request Form Dated 11.08.2025
Sample Drawn By : Laboratory
Sample Location : Boiler 16 TPH
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017

Sampling Date : 11 Aug 2025
Sample Received on : 13 Aug 2025
Test Started on : 13 Aug 2025
Test Completed on : 18 Aug 2025

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Trace Elements				
1	Mercury	EPA 29 - 2017	µg/m ³	BLQ(LOQ:0.020)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

M.S.
M. Sarathkumar

Authorized Signatory-Chemical

Laboratory Address No 39/6, Pudukhaturam, Thiruvallur High Road, Thirumazhisai Via, Poonamallee TK, Thiruvallur, Chennai, Tamil Nadu, India

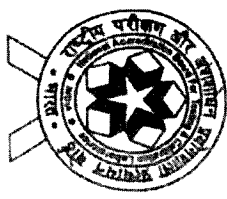
Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements; while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.



SMSLA

SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

ULR - TC611825000039445F
Report No : ENO250813013-03

Page 1 of 1
Report Date: 18 Aug 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005.
Sample Description : Stack Monitoring
Reference : Test Request Form Dated 11.08.2025
Sample Drawn By : Laboratory
Sample Location : DG 500 KVA
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.25 m
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results	Limit as per CPCB Specification
Chemical					
1	Carbon Dioxide as CO ₂	SMSLA/EN/SOP/017 - 2024	%	1.5	--
2	Carbon Monoxide as CO	SMSLA/EN/SOP/017 - 2024	g/kw-hr	0.56	3.5 Max
3	Nitrogen Oxides as NOx	SMSLA/EN/SOP/017 - 2024	g/kw-hr	0.29	0.40 Max
4	Oxygen as O ₂	SMSLA/EN/SOP/017 - 2024	%	17.4	--
5	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	g/kw-hr	0.009	0.02 Max
6	Stack temperature	IS 11255 (Part 03) - 2008 (Reaffirmed 2018)	K	399	--
7	Sulphur Dioxide as SO ₂	IS 11255 (Part 02) - 1985 (Reaffirmed 2019)	mg/Nm ³	26.3	--
8	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	11.9	--
9	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	1558	--

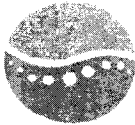
Conclusion : The above tested Sample Conforms to the CPCB Standards for the above tested Parameters.

/***** End of the Report *****/

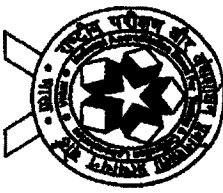
M.Q.
M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: No 39/6, Pudukkottai, Thiruvallur High Road, Thirumazhisai Vta, Poonamallee TK, Thiruvallur, Chennai, Tamil Nadu, India

Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements, while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.



SMS LABS SERVICES PRIVATE LIMITED



SMSLA

TEST REPORT

TC-6118

ULR - TC61182500039444F
Report No : ENO250813013-02

Page 1 of 1
Report Date : 18 Aug 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005.
Sample Description : Stack Monitoring
Reference : Test Request Form Dated 11.08.2025
Sample Drawn By : Laboratory
Sample Location : DG 600 KVA
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.25 m
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results	Limit as per CPCB Specification
Chemical					
1	Carbon Dioxide as CO ₂	SMSLA/EN/SOP/017 - 2024	%	2.1	--
2	Carbon Monoxide as CO	SMSLA/EN/SOP/017 - 2024	g/kw-hr	1.40	3.5 Max
3	Nitrogen Oxides as NOx	SMSLA/EN/SOP/017 - 2024	g/kw-hr	0.36	0.40 Max
4	Oxygen as O ₂	SMSLA/EN/SOP/017 - 2024	%	16.8	--
5	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	g/kw-hr	0.011	0.02 Max
6	Stack temperature	IS 11255 (Part 03) - 2008 (Reaffirmed 2018)	K	402	--
7	Sulphur Dioxide as SO ₂	IS 11255 (Part 02) - 1985 (Reaffirmed 2019)	mg/Nm ³	28.9	--
8	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	12.9	--
9	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	1676	--

Conclusion : The above tested Sample Conforms to the CPCB Standards for the above tested Parameters.

/***** End of the Report *****/

M. Sarath Kumar
Authorized Signatory-Chemical

Laboratory Address: No 39/6, Pudukkottai, Thiruvallur High Road, Thirumazhisai Vii, Poonamallee Tk, Thiruvallur, Chennai, Tamil Nadu, India

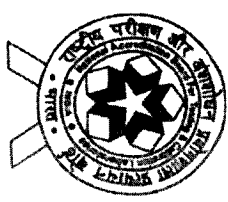
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SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT



TC-6118

Page 1 of 1

ULR - TC61182500039447F

Report Date: 18 Aug 2025

Report No : ENO250813013-04 (Part A)

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B-5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005.
Sample Description : Stack Monitoring
Reference : Test Request Form Dated 11.08.2025
Sample Drawn By : Laboratory
Sample Location : Sodium Formate Dryer
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.2 m
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Chemical				
1	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	mg/Nm ³	13.9
2	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	9.6
3	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	976
Volatile Organic Compounds (VOCs)				
4	Methanol	SMSLA/GC/SOP/54 - 2024	mg/m ³	BLQ(LOQ:0.100)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

M.S.
M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: No 39/6, Puduchattaram, Thiruvallur High Road, Thirumazhisai Via, Poomanallee Tk, Thiruvallur, Chennai, Tamil Nadu, India

Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements; while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.



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SMSLA

TEST REPORT

Page 1 of 1

Report No : ENO250813013-04 (Part B)

Report Date : 18 Aug 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005.

Sample Description : Stack Monitoring
Reference : Test Request Form Dated 11.08.2025
Sample Drawn By : Laboratory
Sample Location : Sodium Formate Dryer
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.2 m
Sampling Date : 11 Aug 2025
Sample Received on : 13 Aug 2025
Test Started on : 13 Aug 2025
Test Completed on : 18 Aug 2025
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Aldehydes				
1	Acetaldehyde	SMSLA/GC/SOP/60 - 2024	mg m ³	BLQ(LOQ:0.100)
2	Formaldehyde	SMSLA/GC/SOP/60 - 2024	mg m ³	BLQ(LOQ:0.100)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

M.S.

M. Sarathkumar

Authorized Signatory-Chemical

Laboratory Address: No 39/6, Pudukottam, Thiruvallur High Road, Thirumazhsai Vm, Poonamallee Tk, Thiruvallur, Chennai, Tamil Nadu, India

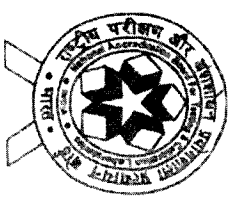
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TEST REPORT



TC-6118

Page 1 of 1

ULR - TC611825000039448F

Report No : ENO250813013-05 (Part A)

Report Date: 18 Aug 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B-5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005.
Sample Description : Stack Monitoring
Reference : Test Request Form Dated 11.08.2025
Sample Drawn By : Laboratory
Sample Location : D1 Dryer
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.1 m
Sampling Date : 11 Aug 2025
Sample Received on : 13 Aug 2025
Test Started on : 13 Aug 2025
Test Completed on : 18 Aug 2025
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Chemical				
1	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	mg/Nm ³	13.9
2	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	9.4
3	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	238
Volatile Organic Compounds (VOCs)				
4	Methanol	SMSLA/GC/SOP/54 - 2024	mg/m ³	BLQ(LOQ:0.100)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

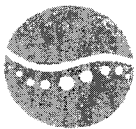
M.Q.

M. Sarathkumar

Authorized Signatory-Chemical

Laboratory Address: No 39/6, Pudukottai, Thiruvallur High Road, Thirumazhisai Via, Poornallee TK, Thiruvallur, Chennai, Tamil Nadu, India

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TEST REPORT

Page 1 of 1

Report No : ENO250813013-05 (Part B)

Report Date : 18 Aug 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005.
Sample Description : Stack Monitoring
Reference : Test Request Form Dated 11.08.2025
Sample Drawn By : Laboratory
Sample Location : D1 Dryer
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.1 m
Sampling Date : 11 Aug 2025
Sample Received on : 13 Aug 2025
Test Started on : 13 Aug 2025
Test Completed on : 18 Aug 2025
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Aldehydes				
1	Acetaldehyde	SMSLA/GC/SOP/60 - 2024	mg/m ³	BLQLOQ:0.100)
2	Formaldehyde	SMSLA/GC/SOP/60 - 2024	mg/m ³	BLQLOQ:0.100)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

M. Q. Sarathkumar

Authorized Signatory-Chemical

Laboratory Address: No 39/6, Puduchattaram, Thiruvallur High Road, Thirunamachisai Via, Poonamallee Tk, Thiruvallur, Chennai, Tamil Nadu, India

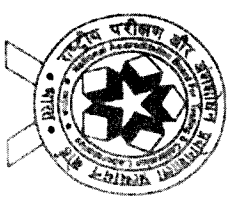
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SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT



TC-6118

ULR - TC61182500039449F

Page 1 of 1

Report No : ENO250813013-06 (Part A)

Report Date : 18 Aug 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005.

Sample Description : Stack Monitoring
Reference : Test Request Form Dated 11.08.2025
Sample Drawn By : Laboratory
Sample Location : Mono Dryer (New)
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.2 m
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Chemical				
1	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	mg/Nm ³	13.1
2	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	9.8
3	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	1008
Volatile Organic Compounds (VOCs)				
4	Methanol	SMSLA/GC/SOP/54 - 2024	mg/m ³	BLQ(LOQ:0.100)

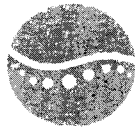
Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

M.K.
M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: No 39/6, Pudukattaram, Thiruvallur High Road, Thirumazhsai Via, Poonamallee Tk, Thiruvallur, Chennai, Tamil Nadu, India

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SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT

Report No : ENO250813013-06 (Part B)

Page 1 of 1
Report Date: 18 Aug 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005
Sample Description : Stack Monitoring
Reference : Test Request Form Dated 11.08.2025
Sample Drawn By : Laboratory
Sample Location : Mono Dryer (New)
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.2 m
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Aldehydes				
1	Acetaldehyde	SMSLA/GC/SOP/60 - 2024	mg/m ³	BLQ(LOQ:0.100)
2	Formaldehyde	SMSLA/GC/SOP/60 - 2024	mg/m ³	BLQ(LOQ:0.100)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

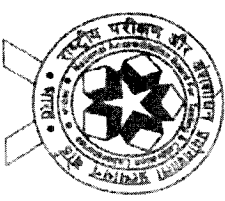
M. Q. C.
M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: No 39/6, Pudukattaram, Thiruvallur High Road, Thirumadhurai Via, Poonamallee TK, Thiruvallur, Chennai, Tamil Nadu, India

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SMSLA

TEST REPORT

TC-6118

ULR - TC61182500039450F

Page 1 of 1

Report No : ENO250813013-07 (Part A)

Report Date : 18 Aug 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005.
Sample Description : Stack Monitoring
Reference : Test Request Form Dated 11.08.2025
Sample Drawn By : Laboratory
Sample Location : Mono Dryer (Old)
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.2 m
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Chemical				
1	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	mg/Nm ³	13.7
2	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	10.2
3	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	1024
Volatile Organic Compounds (%VOC %)				
4	Methanol	SMSLA/GC/SOP/54 - 2024	mg m ³	BLQ(LOQ:0.100)

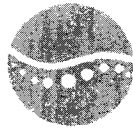
Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: No 39/6, Pudukkhanam, Thiruvallur High Road, Thirunavazhisa, Via, Poonamallee TL, Thiruvallur, Chennai, Tamil Nadu, India

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SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT

Report No : ENO250813013-07 (Part B)

Page 1 of 1
Report Date : 18 Aug 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005.
Sample Description : Stack Monitoring
Reference : Test Request Form Dated 11.08.2025
Sample Drawn By : Laboratory
Sample Location : Mono Dryer (Old)
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.2 m
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Aldehydes				
1	Acetaldehyde	SMSLA/GC/SOP/60 - 2024	mg/m ³	BLQ(LOQ:0.100)
2	Formaldehyde	SMSLA/GC/SOP/60 - 2024	mg/m ³	BLQ(LOQ:0.100)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

No. 2

M. Sarathkumar

Authorized Signatory-Chemical

Laboratory Address No 39/6, Puduchattaram, Thiruvallur High Road, Thirumazhisai Via, Poonamallee Tk, Thiruvallur, Chennai, Tamil Nadu, India

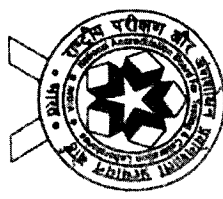
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SMSLA

SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

ULR - TC611825000046447F
Report No : ENO250923008-01 (Part A)

Page 1 of 1
Report Date : 26 Sep 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005.
Sample Description : Stack Monitoring
Reference : Test Request Form Dated 22.09.2025
Sample Drawn By : Laboratory
Sample Location : Mono Dryer (New)
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.2 m
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Chemical				
1	Particulate Mater	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	mg/Nm ³	14.6
2	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	9.1
3	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	925
Volatile Organic Compounds (VOCs)				
4	Methanol	SMSLA/GC/SOP/34 - 2024	mg/m ³	BLQ(LOQ:0.100)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

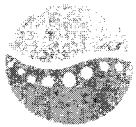
/***** End of the Report *****/

M.S.

M. Sarathkumar

Authorized Signatory-Chemical

Laboratory Address: No 39/6, Puthuchattaram, Thiruvallur High Road, Thirunavazhissai Via, Poonamallee TK, Thiruvallur, Chennai, Tamil Nadu, India
Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements, while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.



SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT

Page 1 of 1

Report No : ENO250923008-01 (Part B)

Report Date : 26 Sep 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B-5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005.
Sample Description : Stack Monitoring
Reference : Test Request Form Dated 22.09.2025
Sample Drawn By : Laboratory
Sample Location : Mono Dryer (New)
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.2 m
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Aldehydes				
1	Acetaldehyde	SMSLA/GC/SOP/60 - 2024	mg m ³	BLQ(LOQ:0.100)
2	Formaldehyde	SMSLA/GC/SOP/60 - 2024	mg m ³	BLQ(LOQ:0.100)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

M.S.
M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: No 39/6, Puduchattam, Thiruvallur High Road, Thirumazhisai Via, Poonamallee Tk, Thiruvallur, Chennai, Tamil Nadu, India

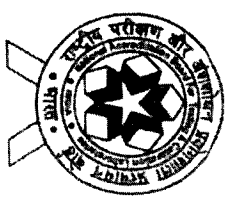
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SMS LABS SERVICES PRIVATE LIMITED

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TEST REPORT



TC-6118

ULR - TCG11825000046448F
Report No : ENO250923008-02 (Part A)

Page 1 of 1
Report Date : 26 Sep 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005.
Sample Description : Stack Monitoring
Reference : Test Request Form Dated 22.09.2025
Sample Drawn By : Laboratory
Sample Location : Fluedised Bed Dryer
Sampling Procedure : IS 11235 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.4 m
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Chemical				
1	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	mg/Nm ³	15.8
2	Velocity	IS 11235 (Part 3) - 2008 (Reaffirmed 2018)	m/s	8.9
3	Volume of Gas Discharged	IS 11235 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	3575
Volatile Organic Compounds (VOC's)				
4	Methanol	SMSLA/GC/SOP/54 - 2024	mg/m ³	BLQ(LOQ:0.100)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

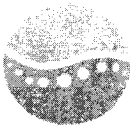
/***** End of the Report *****/

M. Q. T

M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: No 39/6, Puduchattaram, Thiruvallur High Road, Thirumazhisai Via, Poonamallee Tk, Thiruvallur, Chennai, Tamil Nadu, India

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SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT

Page 1 of 1

Report No : ENO250923008-02 (Part B)

Report Date : 26 Sep 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudlikadu Village, Cuddalore-607005.
Sample Description : Stack Monitoring
Reference : Test Request Form Dated 22.09.2025
Sample Drawn By : Laboratory
Sample Location : Fluedised Bed Dryer
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.4 m
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Aldehydes				
1	Acetaldehyde	SMSLA/GC/SOP/60 - 2024	mg/m ³	BLQ(LOQ:0.100)
2	Formaldehyde	SMSLA/GC/SOP/60 - 2024	mg/m ³	BLQ(LOQ:0.100)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

M. S.

M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: No 39/6, Puduchattaram, Thiruvallur High Road, Thirumazhisai Via, Poomanalle TK, Thiruvallur, Chennai, Tamil Nadu, India

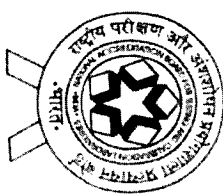
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SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT



TC-6118

Page 1 of 1

ULR - TC611825000043733F

Report No : ENO250908009-01

Report Date: 11 Sep 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005.

Sample Description : Stack Monitoring
Reference : Test Request Form Dated 05.06.2025
Sample Drawn By : Laboratory
Sample Location : Boiler 16 TPH
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 1.0 m
Sampling Date : 05 Sep 2025
Sample Received on : 08 Sep 2025
Test Started on : 08 Sep 2025
Test Completed on : 11 Sep 2025
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Chemical				
1	Carbon Dioxide as CO ₂	SMSLA/EN/SOP/017 - 2024	%	6.8
2	Carbon Monoxide as CO	SMSLA/EN/SOP/017 - 2024	mg/Nm ³	965
3	Nitrogen Oxides as NOx	SMSLA/EN/SOP/017 - 2024	mg/Nm ³	319
4	Oxygen as O ₂	SMSLA/EN/SOP/017 - 2024	%	10.9
5	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	mg/Nm ³	32.7
6	Stack temperature	IS 11255 (Part 03) - 2008 (Reaffirmed 2018)	K	457
7	Sulphur Dioxide as SO ₂	IS 11255 (Part 02) - 1985 (Reaffirmed 2019)	mg/Nm ³	28.1
8	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	8.6
9	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	15828

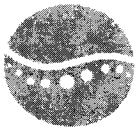
/***** End of the Report *****/

B. K. S. S.

B. Karthikeyan

Authorized Signatory-Chemical

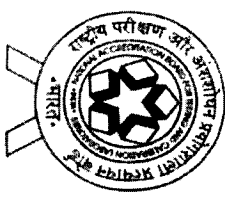
Laboratory Address: No 39/6, Puthuchattam, Thiruvallur High Road, Thirumadhurai Via, Poosamallee TK, Thiruvallur, Chennai, Tamil Nadu, India
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SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

ULR - TC611825000043743F
Report No : ENO250908009-11

Page 1 of 1
Report Date: 11 Sep 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005.
Sample Description : Stack Monitoring
Reference : Test Request Form Dated 05.06.2025
Sample Drawn By : Laboratory
Sample Location : Boiler 16 TPH
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017

Sampling Date : 05 Sep 2025
Sample Received on : 08 Sep 2025
Test Started on : 08 Sep 2025
Test Completed on : 11 Sep 2025

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Trace Elements				
1	Mercury	EPA 29 - 2017	µg/m ³	BLQ(LOQ:0.020)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

B. Karthikeyan
B.Karthikeyan
Authorized Signatory-Chemical

Laboratory Address: No 39/6, Pudukattaram, Thiruvallur High Road, Thirumazhisai Via, Poonamallee TK, Thiruvallur, Chennai, Tamil Nadu, India

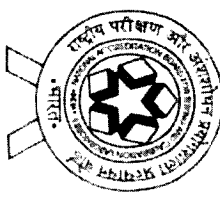
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SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

ULR - TC611825000043734F
Report No : ENO250908009-02

Page 1 of 1
Report Date: 11 Sep 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B-5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005.
Sample Description : Stack Monitoring
Reference : Test Request Form Dated 05.06.2025
Sample Drawn By : Laboratory
Sample Location : DG 600 KVA
Sampling Procedure : IS 11255 & SMSL/A/EN/SOP/017
Diameter of Stack (m) : 0.25 m
Sampling Date : 05 Sep 2025
Sample Received on : 08 Sep 2025
Test Started on : 08 Sep 2025
Test Completed on : 11 Sep 2025
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results	Limit as per CPCB Specification
Chemical					
1	Carbon Dioxide as CO ₂	SMSL/A/EN/SOP/017 - 2024	%	2.9	--
2	Carbon Monoxide as CO	SMSL/A/EN/SOP/017 - 2024	g/kw-hr	3.1	3.5 Max
3	Nitrogen Oxides as NOx	SMSL/A/EN/SOP/017 - 2024	g/kw-hr	0.37	0.40 Max
4	Oxygen as O ₂	SMSL/A/EN/SOP/017 - 2024	%	15.8	--
5	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	g/kw-hr	0.012	0.02 Max
6	Stack temperature	IS 11255 (Part 03) - 2008 (Reaffirmed 2018)	K	507	--
7	Sulphur Dioxide as SO ₂	IS 11255 (Part 02) - 1985 (Reaffirmed 2019)	mg/Nm ³	29.3	--
8	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	12.1	--
9	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	1246	--

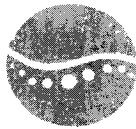
Conclusion : The above tested Sample Conforms to the CPCB Standards for the above tested Parameters.

/***** End of the Report *****/

B. Karthikeyan
Authorized Signatory-Chemical

Laboratory Address: No 39/6, Puduchattaram, Thiruvallur High Road, Thirumazhisai Via, Poommalaike Tk, Thiruvallur, Chennai, Tamil Nadu, India

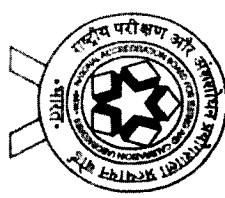
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SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT



TC-6118

ULR - TC611825000043735F
Report No : ENO250908009-03

Page 1 of 1
Report Date: 11 Sep 2025

Customer Name : M/s. Asian Paints Limited, (Penta Division)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005.
Sample Description : Stack Monitoring
Reference : Test Request Form Dated 05.06.2025
Sample Drawn By : Laboratory
Sample Location : DG 500 KVA
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.25 m
Sampling Date : 05 Sep 2025
Sample Received on : 08 Sep 2025
Test Started on : 08 Sep 2025
Test Completed on : 11 Sep 2025
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results	Limit as per CPCB Specification
Chemical					
1	Carbon Dioxide as CO ₂	SMSLA/EN/SOP/017 - 2024	%	3.6	--
2	Carbon Monoxide as CO	SMSLA/EN/SOP/017 - 2024	g/kw-hr	0.93	3.5 Max
3	Nitrogen Oxides as NO _x	SMSLA/EN/SOP/017 - 2024	g/kw-hr	0.31	0.40 Max
4	Oxygen as O ₂	SMSLA/EN/SOP/017 - 2024	%	16.3	--
5	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	g/kw-hr	0.010	0.02 Max
6	Stack temperature	IS 11255 (Part 03) - 2008 (Reaffirmed 2018)	K	420	--
7	Sulphur Dioxide as SO ₂	IS 11255 (Part 02) - 1985 (Reaffirmed 2019)	mg/Nm ³	27.1	--
8	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	10.5	--
9	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	1306	--

Conclusion : The above tested Sample Conforms to the CPCB Standards for the above tested Parameters.

/***** End of the Report *****/

B. Karthikeyan

B. Karthikeyan

Authorized Signatory-Chemical

Laboratory Address: No 39/6, Pudukulam, Thiruvallur High Road, Thirumadhurai Vta, Poomanallee Tk, Thiruvallur, Chennai, Tamil Nadu, India

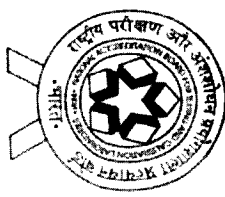
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SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

Page 1 of 1

ULR - TC61182500043736F

Report No : ENO250908009-04 (Part A)

Report Date: 11 Sep 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005
Sample Description : Stack Monitoring
Reference : Test Request Form Dated 05.06.2025
Sample Drawn By : Laboratory
Sample Location : Sodium Formate Dryer
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.2 m
Sampling Date : 05 Sep 2025
Sample Received on : 08 Sep 2025
Test Started on : 08 Sep 2025
Test Completed on : 11 Sep 2025
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Chemical				
1	Particulate Matter	IS 11235 (Part 01) - 1985 (Reaffirmed 2019)	mg/Nm ³	13.8
2	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	7.6
3	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	782
Volatile Organic Compounds (VOCs)				
4	Methanol	SMSLA/GC/SOP/54 - 2024	mg/m ³	BLQ(LOQ:0.100)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

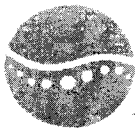
/***** End of the Report *****/

B. Kase

B.Karthikeyan

Authorized Signatory-Chemical

Laboratory Address: No 39/6, Puduchattaram, Thiruvallur High Road, Thirumazhisai Via, Poonamallee TK, Thiruvallur, Chennai, Tamil Nadu, India
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SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT

Report No : ENO250908009-04 (Part B)

Page 1 of 1
Report Date: 11 Sep 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005
Sample Description : Stack Monitoring
Reference : Test Request Form Dated 05.06.2025
Sample Drawn By : Laboratory
Sample Location : Sodium Formate Dryer
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.2 m
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Aldehydes				
1	Acetaldehyde	SMSLA/GC/SOP/60 - 2024	mg/m ³	BLQ(LOQ:0.100)
2	Formaldehyde	SMSLA/GC/SOP/60 - 2024	mg/m ³	BLQ(LOQ:0.100)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

B. Karthikeyan
B. Karthikeyan
Authorized Signatory-Chemical

Laboratory Address: No 39/6, Puduchattaram, Thiruvallur High Road, Thirunavazhisa Via, Ponnambali IK, Thiruvallur, Chennai, Tamil Nadu, India

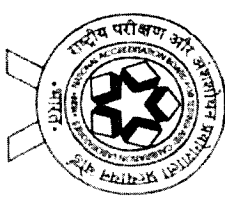
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SMSLA

SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

ULR - TC61182500043737F

Report No : ENO250908009-05 (Part A)

Page 1 of 1

Report Date: 11 Sep 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005.
Sample Description : Stack Monitoring
Reference : Test Request Form Dated 05.06.2025
Sample Drawn By : Laboratory
Sample Location : D1 Dryer
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.1 m
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Chemical				
1	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	mg/Nm ³	15.1
2	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	8.9
3	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	233
Volatile Organic Compounds (VOCs)				
4	Methanol	SMSLA/GC/SOP/54 - 2024	mg/m ³	BLQ(LOQ:0.100)

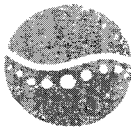
Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

B. Keshav
B.Karthikeyan
Authorized Signatory-Chemical

Laboratory Address: No 39/6, Pudukharam, Thiruvallur High Road, Thirumazhaisai Vra, Poornamallee Tk, Thiruvallur, Chennai, Tamil Nadu, India

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SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT

Page 1 of 1

Report No : ENO250908009-05 (Part B)

Report Date: 11 Sep 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005.
Sample Description : Stack Monitoring
Reference : Test Request Form Dated 05.06.2025
Sample Drawn By : Laboratory
Sample Location : DI Dryer
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.1 m
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Aldehyde				
1	Acetaldehyde	SMSLA/GC/SOP/60 - 2024	mg/m ³	BLQ(LOQ:0.100)
2	Formaldehyde	SMSLA/GC/SOP/60 - 2024	mg/m ³	BLQ(LOQ:0.100)

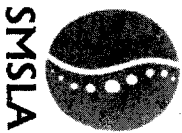
Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

B. Karthikeyan
B. Karthikeyan
Authorized Signatory-Chemical

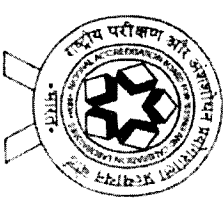
Laboratory Address: No 39/6, Pudukkottai, Thiruvallur High Road, Thirumazhisai Via, Poonamallee Tk, Thiruvallur, Chennai, Tamil Nadu, India

Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements, while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is are said to be extracted.



SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

ULR - TC61182500043738F
Report No : ENO250908009-06 (Part A)

Page 1 of 1
Report Date : 11 Sep 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005.
Sample Description : Stack Monitoring
Reference : Test Request Form Dated 05.06.2025
Sample Drawn By : Laboratory
Sample Location : Mono Dryer (Old)
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.2 m
Sampling Date : 05 Sep 2025
Sample Received on : 08 Sep 2025
Test Started on : 08 Sep 2025
Test Completed on : 11 Sep 2025
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Chemical				
1	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	mg/Nm ³	14.3
2	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	8.2
3	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	828
Volatile Organic Compounds (VOCs)				
4	Methanol	SMSLA/GC/SOP/54 - 2024	mg/m ³	BLOQ(LOQ:0.100)

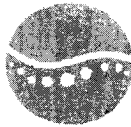
Note : BLOQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

B. Keshav
B.Karthikeyan
Authorized Signatory-Chemical

Laboratory Address: No 39/6, Puduchattaram, Thiruvallur High Road, Thirumazhisai Via, Poonamallee Tk, Thiruvallur, Chennai, Tamil Nadu, India

Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements, while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.



SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT

Page 1 of 1

Report No : ENO250908009-06 (Part B)

Report Date: 11 Sep 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005.
Sample Description : Stack Monitoring
Reference : Test Request Form Dated 05.06.2025
Sample Drawn By : Laboratory
Sample Location : Mono Dryer (Old)
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.2 m
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Aldehydes				
1	Acetaldehyde	SMSLA/GC/SOP/60 - 2024	mg m ⁻³	BLQ(LOQ:0.100)
2	Formaldehyde	SMSLA/GC/SOP/60 - 2024	mg m ⁻³	BLQ(LOQ:0.100)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

B. Karthikeyan
B. Karthikeyan

Authorized Signatory-Chemical

Laboratory Address: No 39/6, Puduchattaram, Thiruvallur High Road, Thirumazhisai Via, Poonamallee Tk., Thiruvallur, Chennai, Tamil Nadu, India

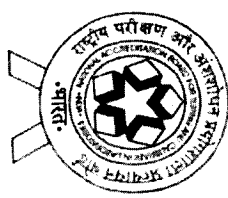
Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements; while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.



SMSLA

SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

Page 1 of 1

ULR - TC61182500043739F

Report Date: 11 Sep 2025

Report No : ENO250908009-07

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005.
Sample Description : Stack Monitoring
Reference : Test Request Form Dated 05.06.2025
Sample Drawn By : Laboratory
Sample Location : Coal Crusher Stack
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.5 m

Sampling Date : 06 Sep 2025
Sample Received on : 08 Sep 2025
Test Started on : 09 Sep 2025
Test Completed on : 11 Sep 2025

Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Chemical				
1	Carbon Dioxide as CO ₂	SMSLA/EN/SOP/017 - 2024	%	Less than 0.1
2	Carbon Monoxide as CO	SMSLA/EN/SOP/017 - 2024	mg/Nm ³	9.0
3	Nitrogen Oxides as NO _x	SMSLA/EN/SOP/017 - 2024	mg/Nm ³	BLQ(LOQ:2.0)
4	Oxygen as O ₂	SMSLA/EN/SOP/017 - 2024	%	20.7
5	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	mg/Nm ³	14.1
6	Stack temperature	IS 11255 (Part 03) - 2008 (Reaffirmed 2018)	K	309
7	Sulphur Dioxide as SO ₂	IS 11255 (Part 02) - 1985 (Reaffirmed 2019)	mg/Nm ³	BLQ(LOQ:3.0)
8	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	16.5
9	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	11125

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

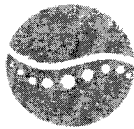
B. Karthikeyan

B.Karthikeyan

Authorized Signatory-Chemical

Laboratory Address: No 39/6, Pudukatturam, Thiruvallur High Road, Thirunadhisi Via, Poonamallee Tk, Thiruvallur, Chennai, Tamil Nadu, India

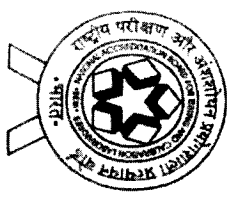
Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements, while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is are said to be extracted.



SMSLA

SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

ULR - TC61182500043744F
Report No : ENO250908009-12

Page 1 of 1
Report Date: 11 Sep 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005.
Sample Description : Stack Monitoring
Reference : Test Request Form Dated 05.06.2025
Sample Drawn By : Laboratory
Sample Location : Coal Crusher Stack
Sampling Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.5 m
Sampling Date : 06 Sep 2025
Sample Received on : 08 Sep 2025
Test Started on : 09 Sep 2025
Test Completed on : 11 Sep 2025
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Trace Elements				
1	Mercury	EPA 29 - 2017	µg/m3	BLQ(LOQ:0.020)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

B. Karthikeyan

B.Karthikeyan

Authorized Signatory-Chemical

Laboratory Address: No 19 A, Puduchattaram, Thiruvallur High Road, Thirumathurai Via, Perumathurai TK, Thiruvallur, Chennai, Tamil Nadu, India

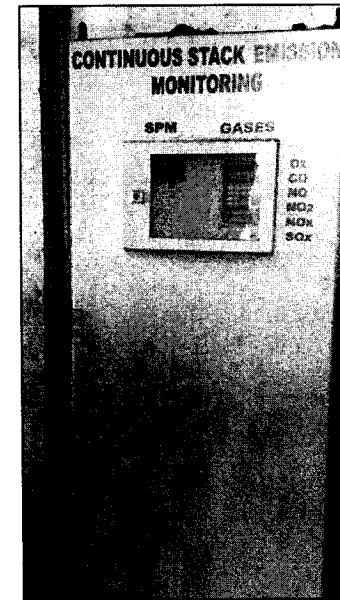
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Annexure 2 - CAAQMS & flue gas sensors

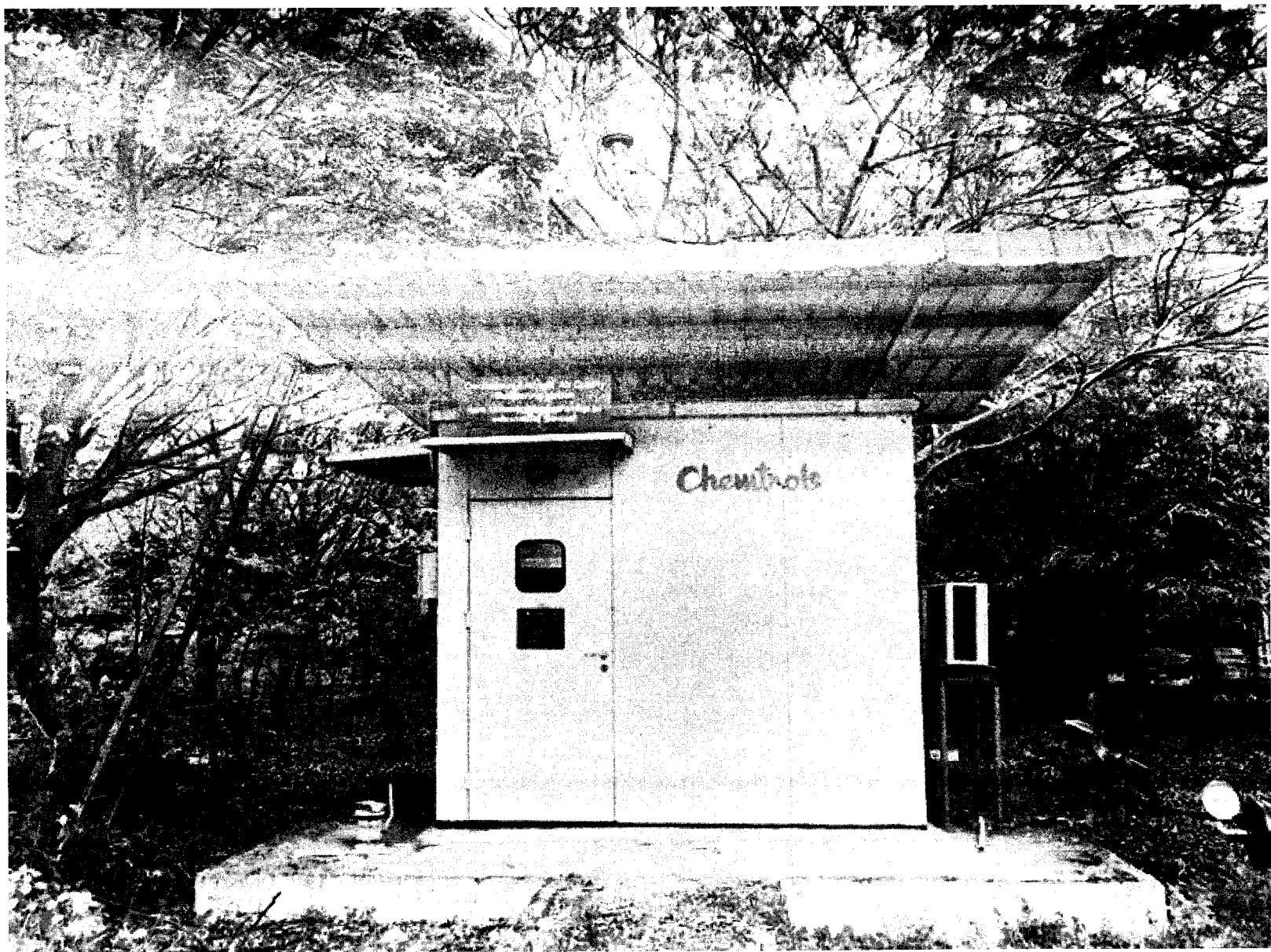
Online stack analyzers connected to care air centre



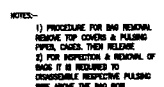
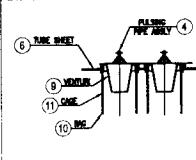
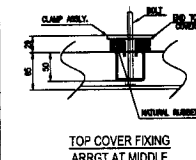
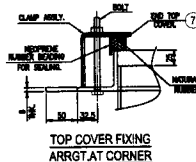
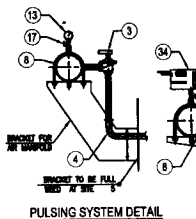
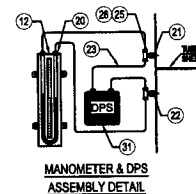
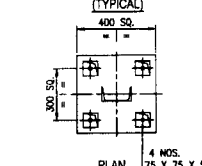
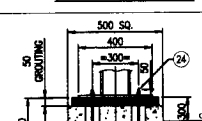
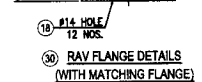
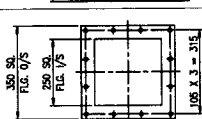
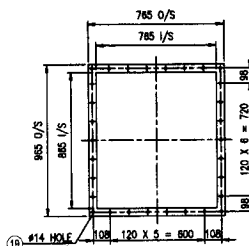
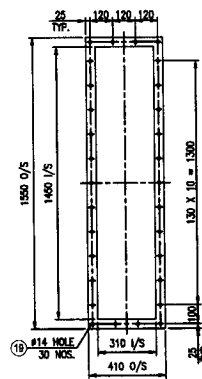
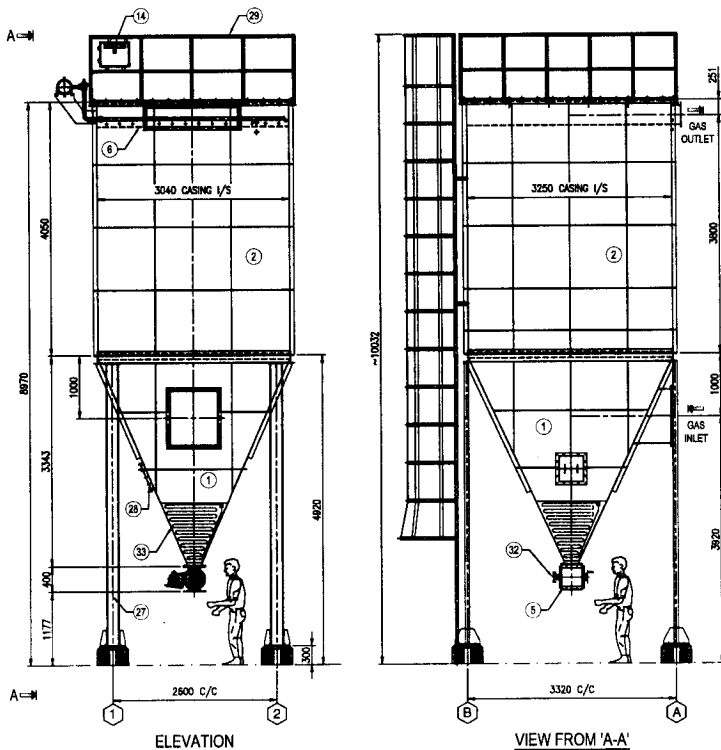
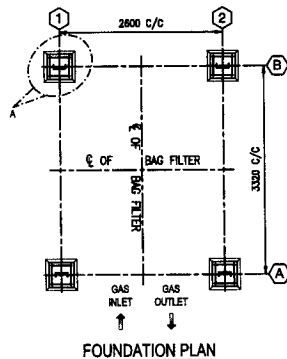
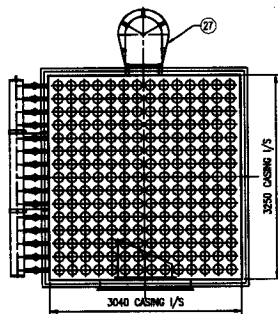
Online Boiler stack SPM analyzer



Online Boiler flue gas SOx / NOx analyzer



Annexure 3 - Bag filters & belt conveyors



A) LOAD DATA :			
- TOTAL UNIT WEIGHT (KG) ---	8200		
- UNIT WEIGHT WITH DUST (HOPPER FILLED TILL INLET TOP) (KG) ---	11000		
- DEAD LOAD ON EACH COLUMN (KG) ---	2750		
B) DESIGN DATA :			
- GAS VOLUME (m ³ /hr) ---	26400		
- DESIGN PRESSURE (MM WG) ---	4500		
- SERVICE TEMPERATURE IN DEGREE CENTIGRADE ---	≤ 200		
- MAXIMUM DESIGN TEMPERATURE IN DEGREE CENTIGRADE ---	200		
- DUST DENSITY FOR DISCHARGE (KG/M ³) ---	800		
- DUST DENSITY FOR POWER (KG/M ³) ---	1000		
- AIR TO CLOTH RATIO (M ³ /MIN/M ²) ---	1.14		
- INLET DUST LOAD (gm/MIN/M ²) ---	≤ 50		
- OUTLET EMISSION (gm/MIN/M ²) ---	≤ 100		
- PRESSURE DROP ACROSS BAG FILTER (FLANGE TO FLANGE) (MM WG) ---	< 100		
- PARTICLE SIZE (MICRONS) ---	20		
- FILTRATION AREA (M ²) ---	375.3		
C) PRODUCT DATA :			
- LADDER POSITION IS INDICATIVE - ACTUAL POSITION TO BE DECIDED AT SITE BASED ON SITE CONDITIONS.			
- OUTLET POSITION CANNOT BE CHANGED.			
- ID FAN SHOULD NOT START UNLESS DISCHARGE VALVE AND SEQUENTIAL CONTROLLER STARTS OPERATING.			
- CUSTOMER HAS TO MAKE SEPARATE PROVISION FOR FAN FOUNDATION.			
- SEQUENTIAL CONTROLLER SHOULD NOT BE MOUNTED ON VIBRATING STRUCTURE.			
- SPACE REQUIRED FOR BAG & CAGE REMOVAL - 3.700 MTR (MINIMUM)			
D) UTILITIES :			
- POWER: 415V (±10%), 50 Hz (±5%), 3PH, AC			
- CONTROL: 230V (±10%), 50 Hz (±5%), 1PH, AC			
- RAV DRIVE: GEARED MOTOR 1.0 HP, 20 RPM, 415 V, 3 PH, AC			
- # COMPRESSED AIR REQUIREMENT AT 5.6 kg/cm ² -			
- NORMAL: 37.1 Nm ³ /hr (COMPRESSED AIR QUALITY: OIL CONTENT < 50 PPM,			
- MOISTURE CONTENT: PRESSURE DEW POINT TEMP. -10° WHICH CORRESPONDS 2 GM/M ³)			
E) PAINTING DETAILS FOR BAG FILTER :			
SURFACE PREPARATION- MANUAL CLEANING			
INSIDE - TWO COATS OF GR ALUMINIUM PAINT			
OUTSIDE - TWO COATS OF GR ALUMINIUM PAINT			
F) FINISH PAINT: SHADE- SILVER SHADE			

34	PRESSURE SWITCH	INLAND / ORIEN / SWITZER	EEC	0-10 KG/CM ²	1 NO.
33	HOPPER HEATER PAD	---	EEC	LOOSE	1 LOT
32	ZERO SPEED SWITCH FOR RAV	JAYESHREE	EEC	LOOSE	1 NO.
31	D.P. SWITCH	INLAND / ORIEN / SWITZER	EEC	0-250 MMWG	1 NO.
30	RAV FLANGE	---	EEC	M.S.	1 LOT
29	RAILING	---	EEC	M.S.	1 LOT
28	ACCESS WINDOW	---	EEC	M.S.	1 NO.
27	SUPPORT STRUCTURE WITH LADDER	---	EEC	M.S.	1 LOT
26	CONNECTOR T 1/4" BSP	---	EEC	M.S. LOOSE	2 NOS.
25	CONNECTOR 1/2" X 1/4"	---	EEC	M.S. LOOSE	2 NOS.
24	FOUNDATION BOLTS	---	EEC	M16 X 500 LG.	16 NOS.
23	PU TUBE 28mm.	---	EEC	LOOSE	1 LOT
22	1/2" BSP SOCKET WITH PLUG	---	EEC	M.S.	1 NO.
21	1/2" BSP SOCKET WITH PLUG	---	EEC	M.S.	1 NO.
20	1/4" PU CONNECTOR	---	EEC	M.S. LOOSE	8 NOS.
19	INLET & OUTLET FLANGE HARDWARE	---	EEC	M12 X 40 LOOSE	80 NOS.
18	POWDER DISCHARGE FLANGE HARDWARE	---	EEC	M14 X 80 LOOSE	8 NOS.
17	MIDDLE VALVE WITH 3/8" CONNECTOR	---	EEC	IS-2002 LOOSE	1 LOT
16	OUTLET & COUNTER FLANGES	---	EEC	YES	2 LOT
15	INLET & COUNTER FLANGES	---	EEC	YES	2 LOT
14	SEQUENTIAL TIMER	INLAND / MANIKS	EEC	230 V, AC 15 PORT	1 NO.
13	PRESSURE GAUGE 3/8" BOTTOM ENTRY	FIBIGUE / WAREE	EEC	0-10 KG/CM ²	1 NO.
12	MANOMETER ASSLY	AKSHAY	EEC	150 - 0 - 150 mm WG	1 NO.
11	CAGE Ø143 X 3645 MM LONG.	---	EEC	GI / HR ALUMINIUM	210 NOS.
10	BAG - Ø155 X 3660 MM LONG	BWF	EEC	PPS WEB ON PPS SCRM	210 NOS.
9	VENTURI	---	EEC	GI / HR ALUMINIUM	210 NOS.
8	AIR MANIFOLD PIPE/HEADER	---	EEC	200 NB 15 CLASS	1 NO.
7	TOP COVER	---	EEC	3 mm THK.	1 LOT
6	TUBE SHEET	---	EEC	5 mm THK.	1 NO.
5	ROTARY AIR LOCK VALVE (C.I.)	---	EEC	S/ZE 250 NB SQ., MOTOR = 1.0 HP., RAV RPM 20	1 NO.
4	PULSING PIPE ASSEMBLY	---	EEC	40 NB, 15 CLASS	15 NOS.
3	PULSE & SOLENOID VALVE	ROTEX & MANIKS	EEC	1 1/2" BSP, 230V AC DIAPHRAM TYPE	15 NOS.
2	HOUSING	---	EEC	3 mm THK.	1 NO.
1	HOPPER	---	EEC	5 mm THK.	1 NO.

SR.NO.	DESCRIPTION	MAKE	SCOPE	MOC	QTY.
BILL OF MATERIAL					

TITLE: - GA OF BAG FILTER PJ-12-210 FOR 16 TPH BOILER EXHAUST		PROJECT No. :
CLIENT: - M/s. ASIAN PAINTS LIMITED.		1718
CONSULTANT: -		

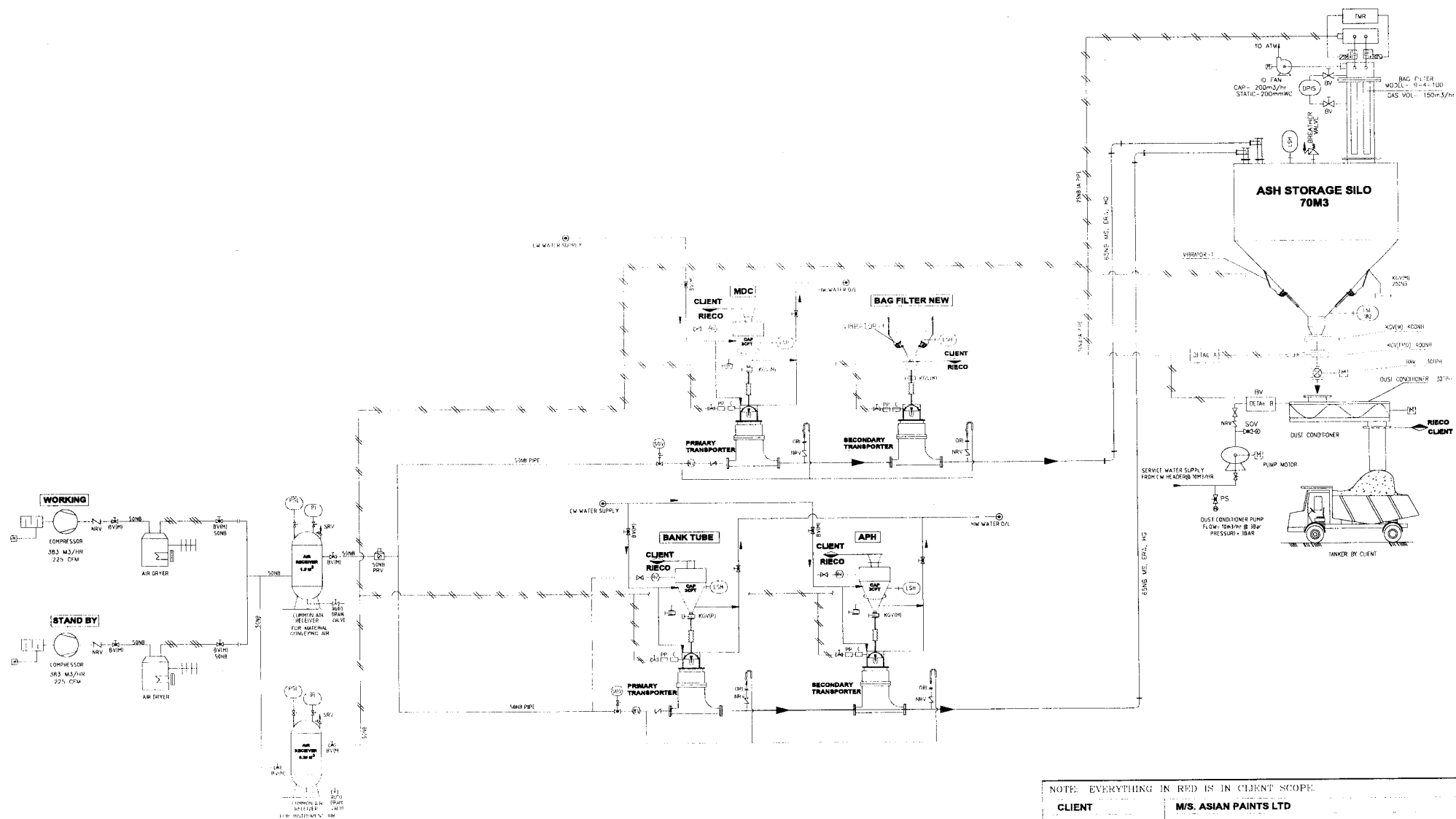
EEG		ENVIROMENTAL ENGINEERING CONSULTANT		SARITA VAIBHAV, SINHGAD ROAD,		PUNE - 411030.	
DRAWN	PJP	25.10.17	SCALE	PROJECTION	DRG.NO:	REV.	
CHECKED	SAGAR	25.10.17	NTS		1718-G-01-001	0	
APPROVED	ARD	25.10.17					

THIS DESIGN AND DRAWING IS THE PROPERTY OF M/S ENVIRONMENTAL ENGINEERING CONSULTANT PUNE AND MUST NOT BE COPIED OR REPRODUCED OR USED IN PART OR FULL WITHOUT THEIR PRIOR PERMISSION IN WRITING FOR THE PURPOSE OTHER THAN FOR WHICH IT IS ISSUED.

FILLET WELD

ALT. No.	ALTERATION	DATE	MADE BY	CHK. BY
FOR ALTERATION DETAILS, REFER FIRST SHEET OF THE DRAWING				

DENSE PHASE PNEUMATIC CONVEYING SYSTEM



NOTE: EVERYTHING IN RED IS IN CLIENT SCOPE.

CLIENT M/S. ASIAN PAINTS LTD

RIECO'S OFFER No. 9350_R0

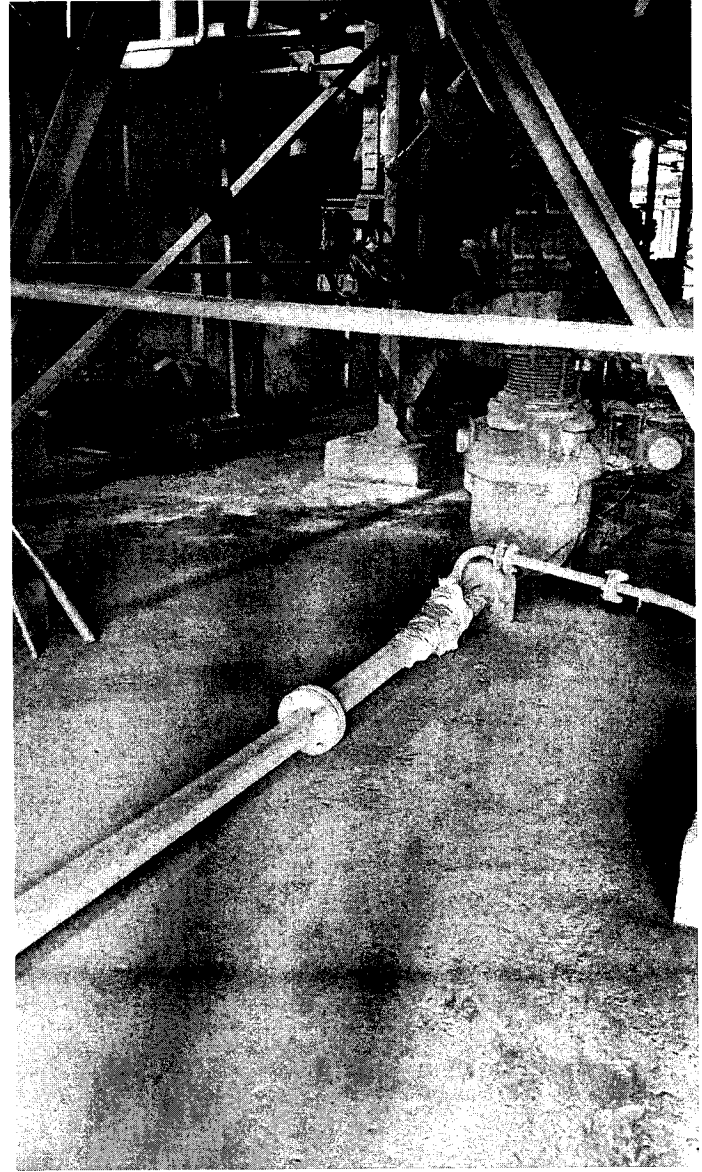
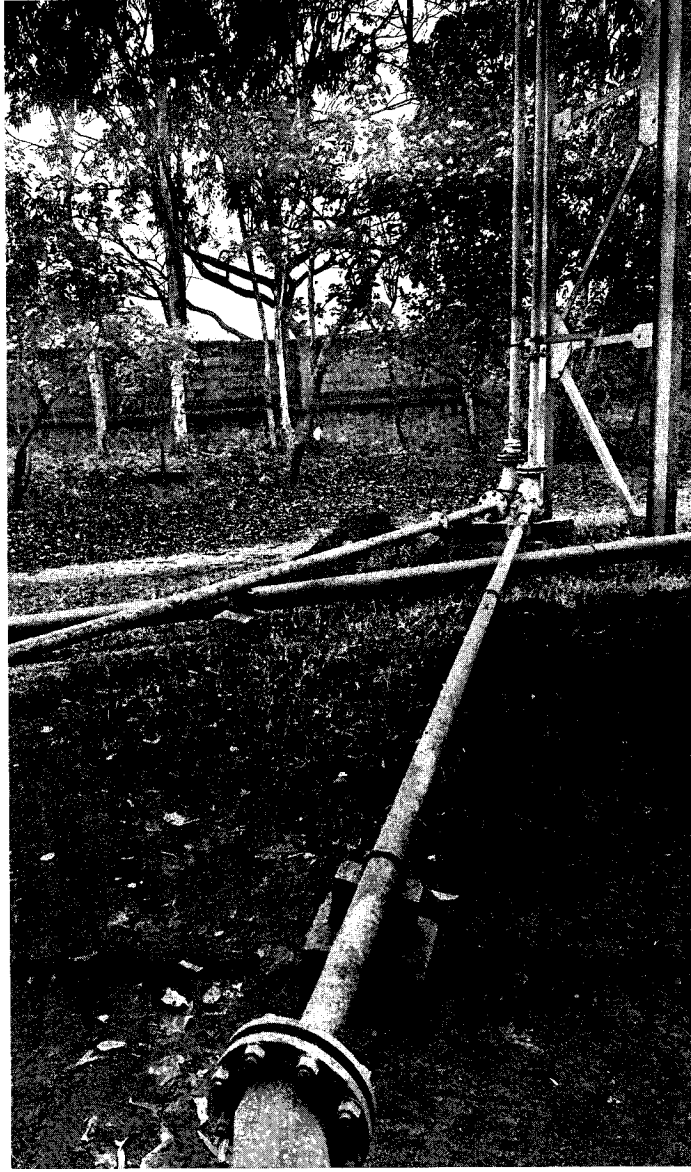
CLIENT'S P.O.No.

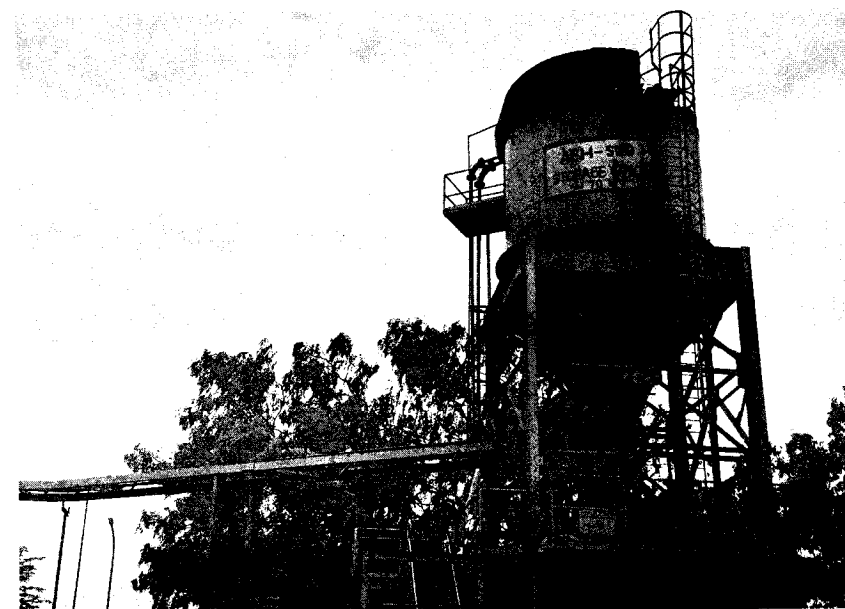


RIECO INDUSTRIES LTD.

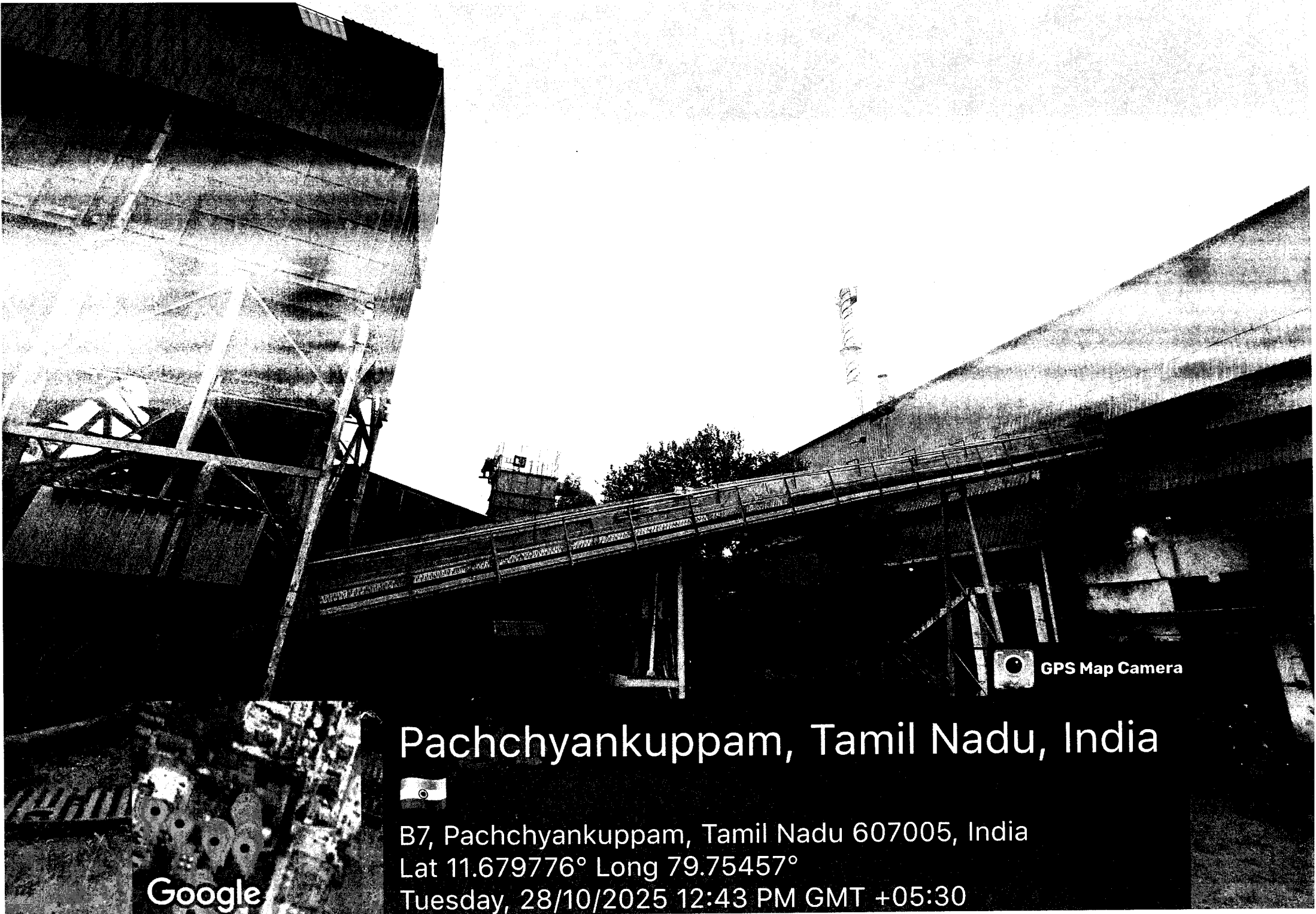
FLOWSCHEME FOR DENSE PHASE PNEUMATIC CONVEYING SYSTEM FOR FLY ASH HANDLING

REVISION NO.	1	DATE	10/10/2010
REVISION NO.	2	DATE	10/10/2010
REVISION NO.	3	DATE	10/10/2010
REVISION NO.	4	DATE	10/10/2010
REVISION NO.	5	DATE	10/10/2010
REVISION NO.	6	DATE	10/10/2010
REVISION NO.	7	DATE	10/10/2010
REVISION NO.	8	DATE	10/10/2010
REVISION NO.	9	DATE	10/10/2010
REVISION NO.	10	DATE	10/10/2010





Annexure 4 - Pneumatic Conveyors



GPS Map Camera

Pachchyankuppam, Tamil Nadu, India



B7, Pachchyankuppam, Tamil Nadu 607005, India

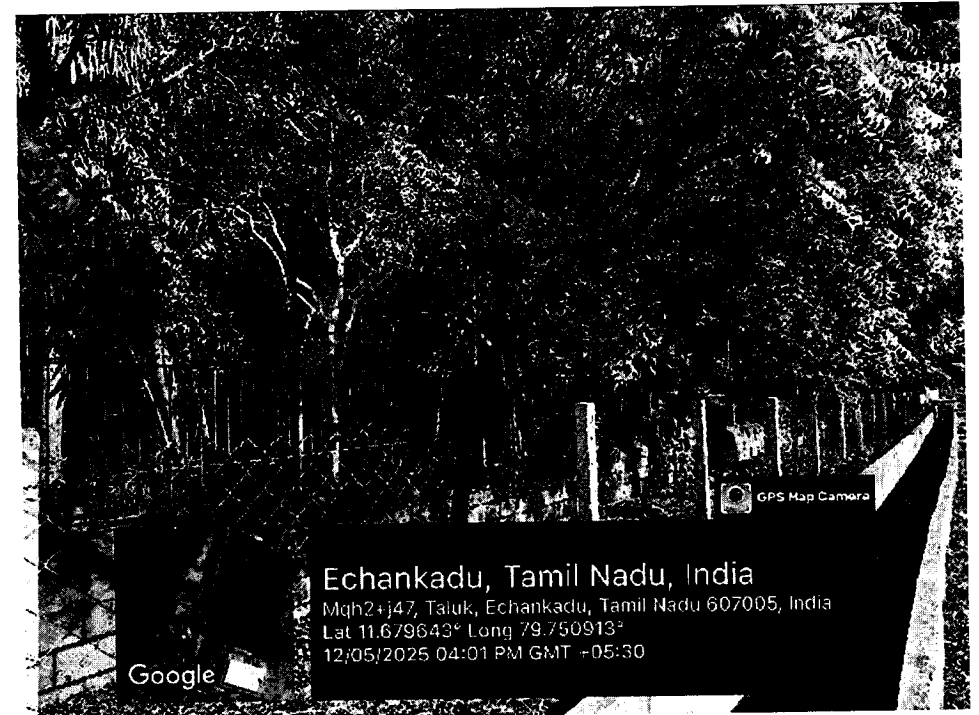
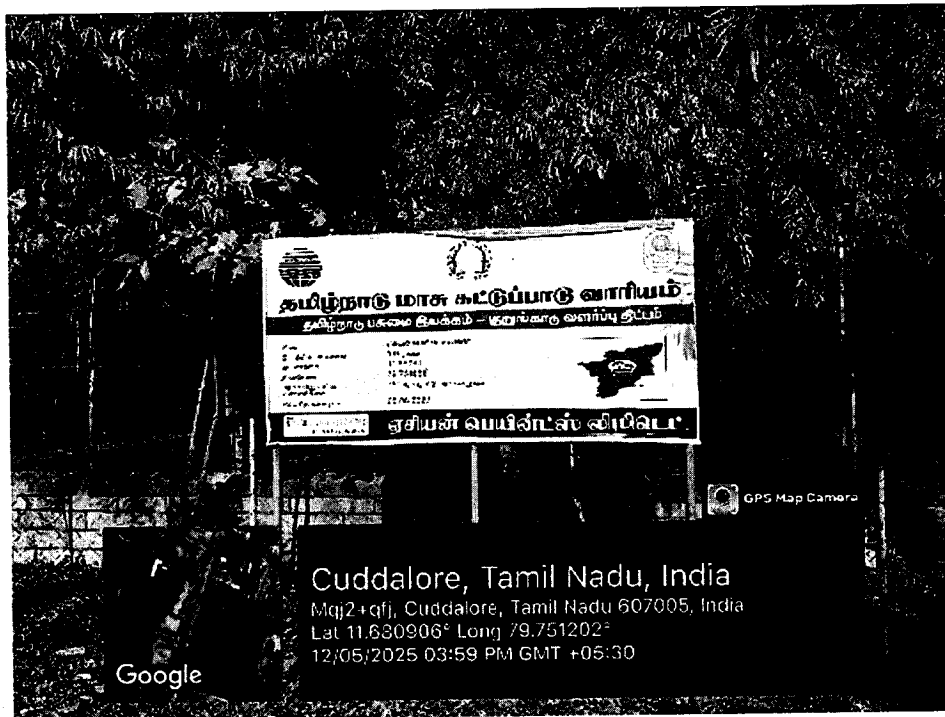
Lat 11.679776° Long 79.75457°

Tuesday, 28/10/2025 12:43 PM GMT +05:30

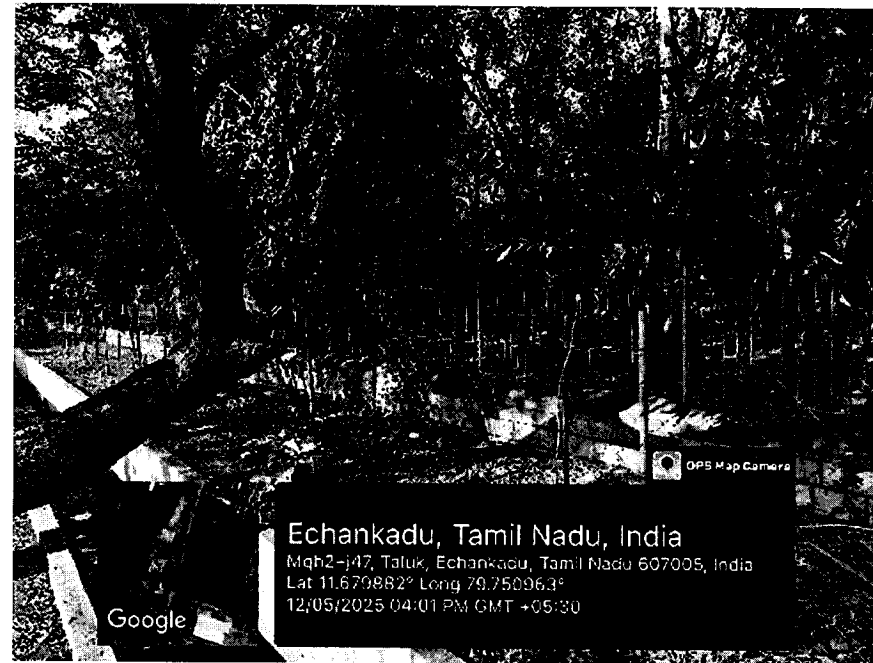
Google

Annexure 5 - Green Belt Photos

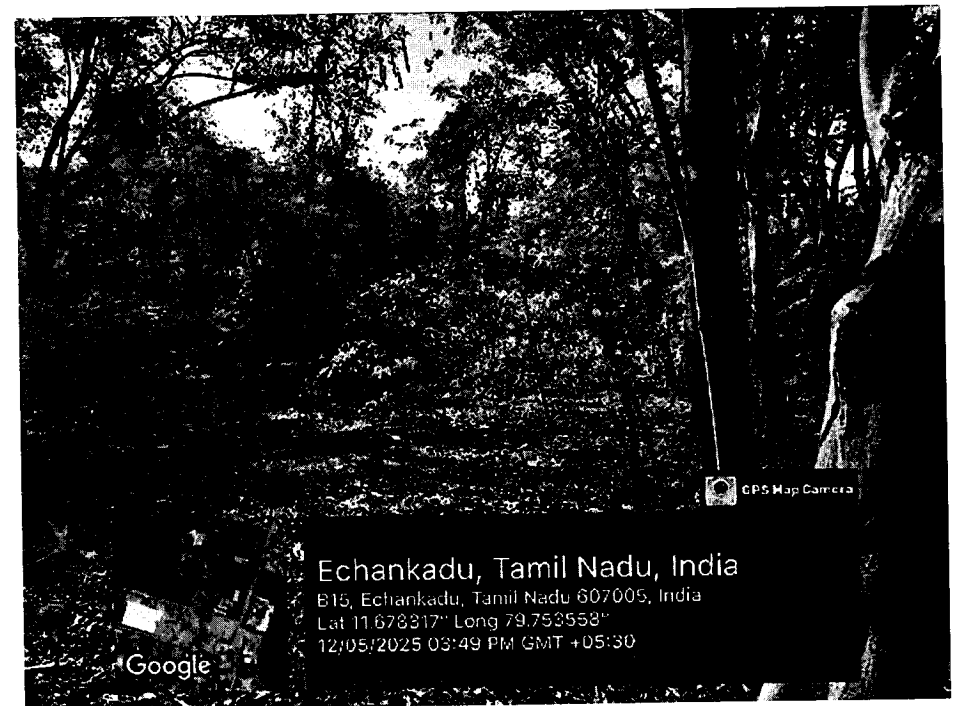
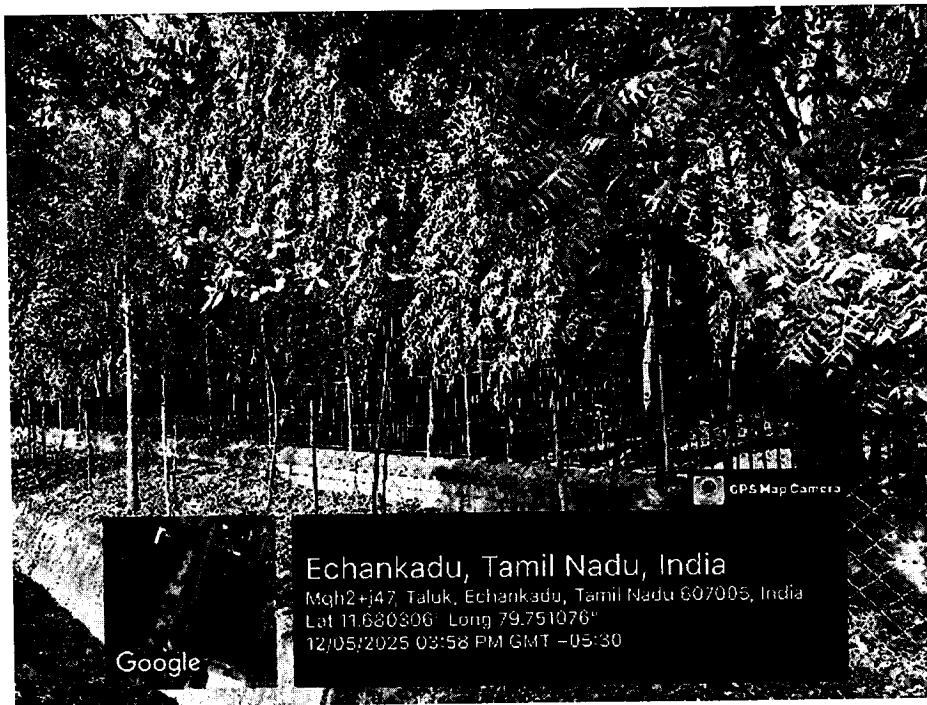
Beyond the fence



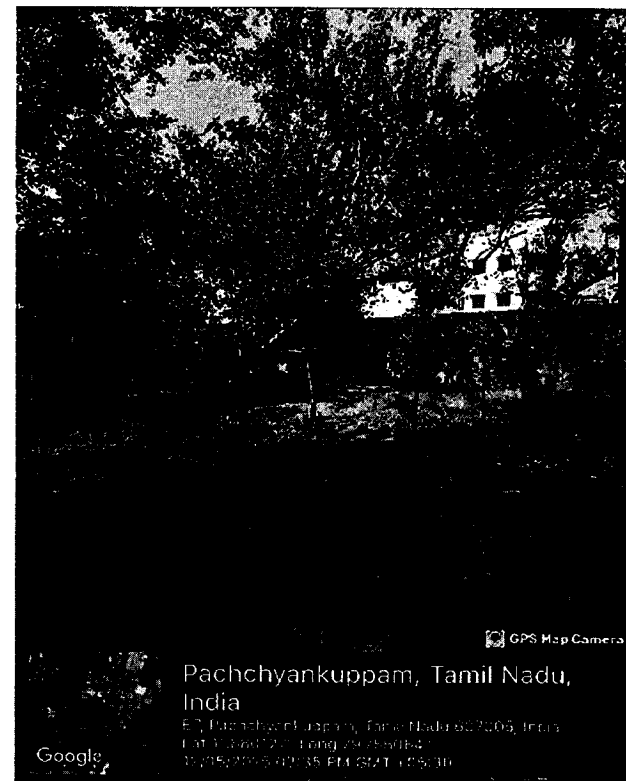
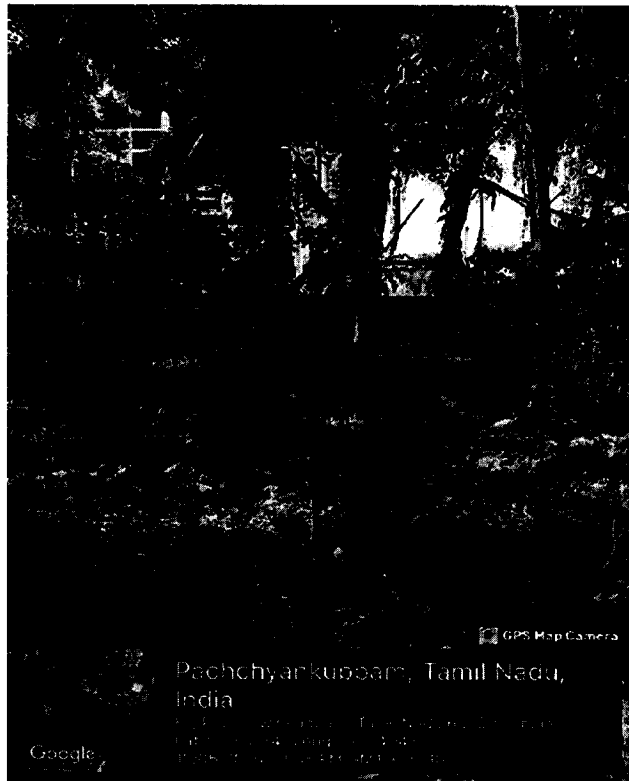
Beyond the fence



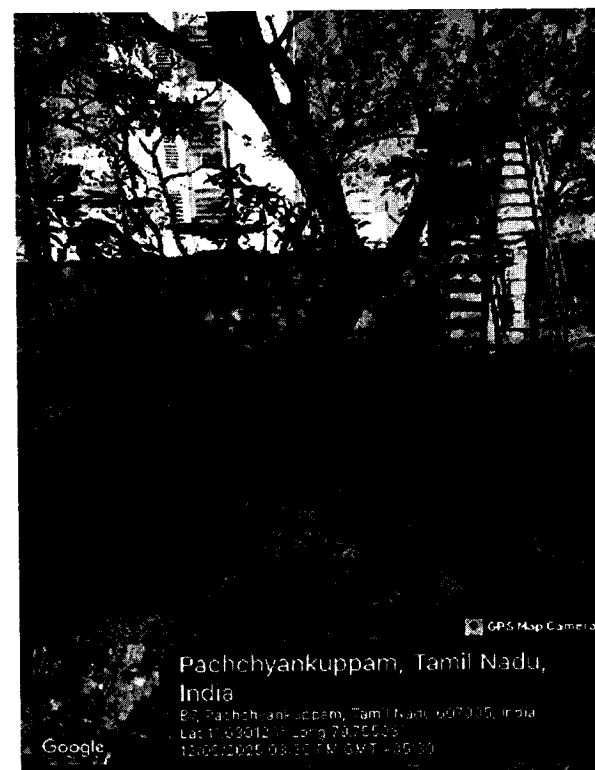
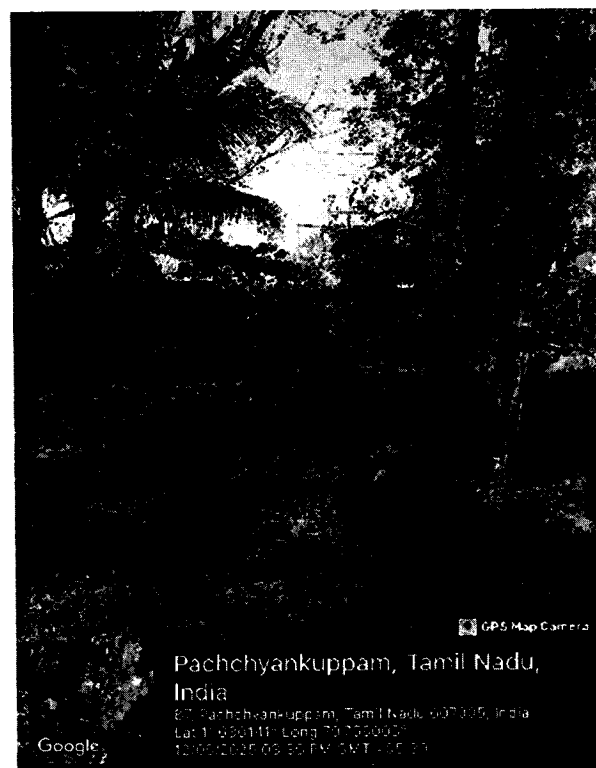
Beyond the fence



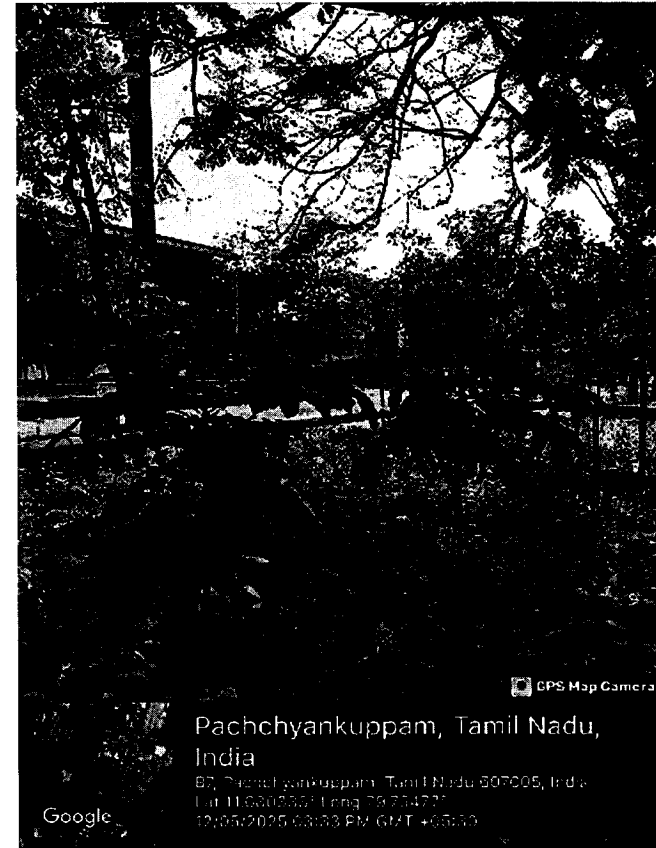
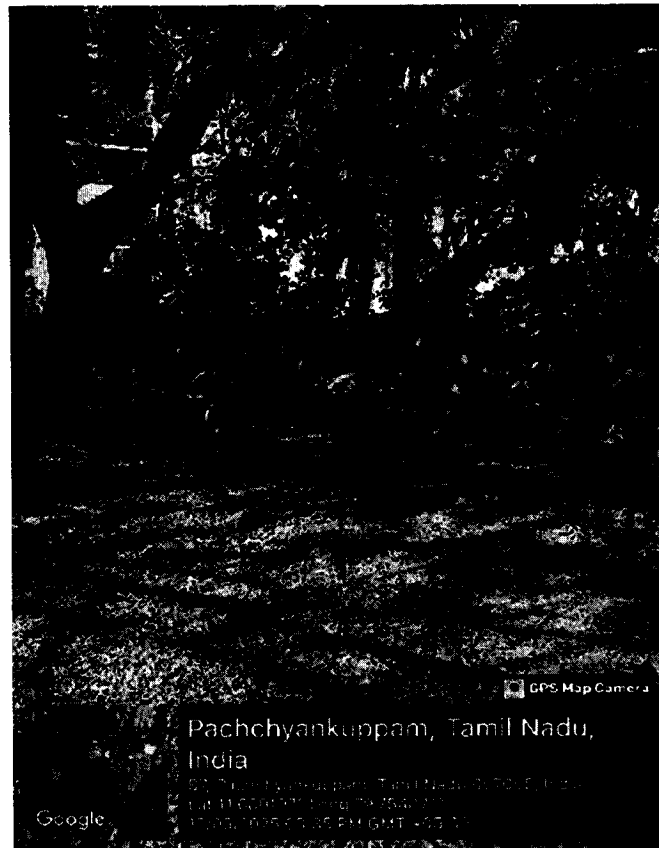
Within the campus – Near Coal yard area



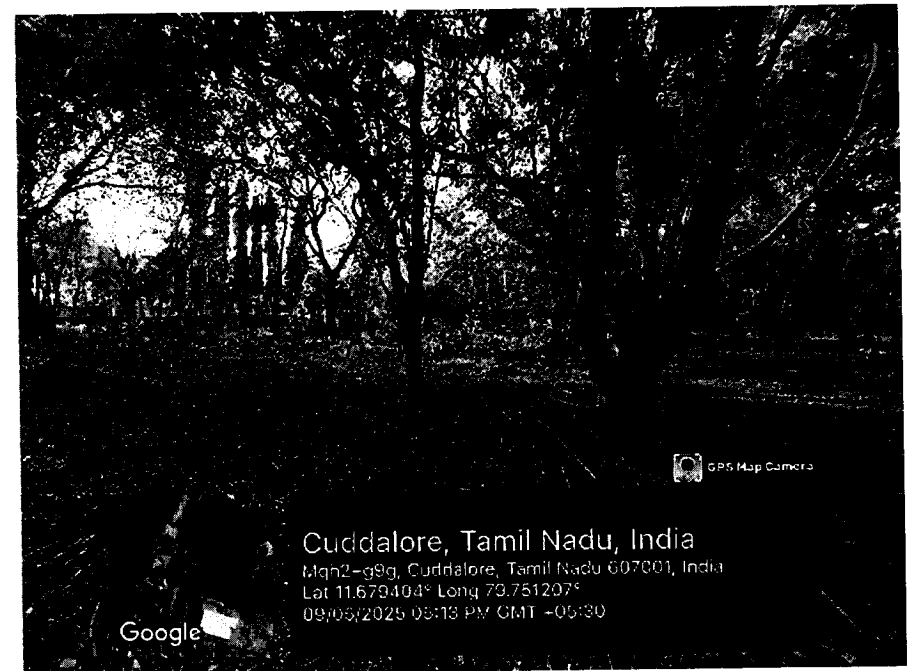
Within the campus – Near Coal yard area



Within the campus - Near Coal yard area



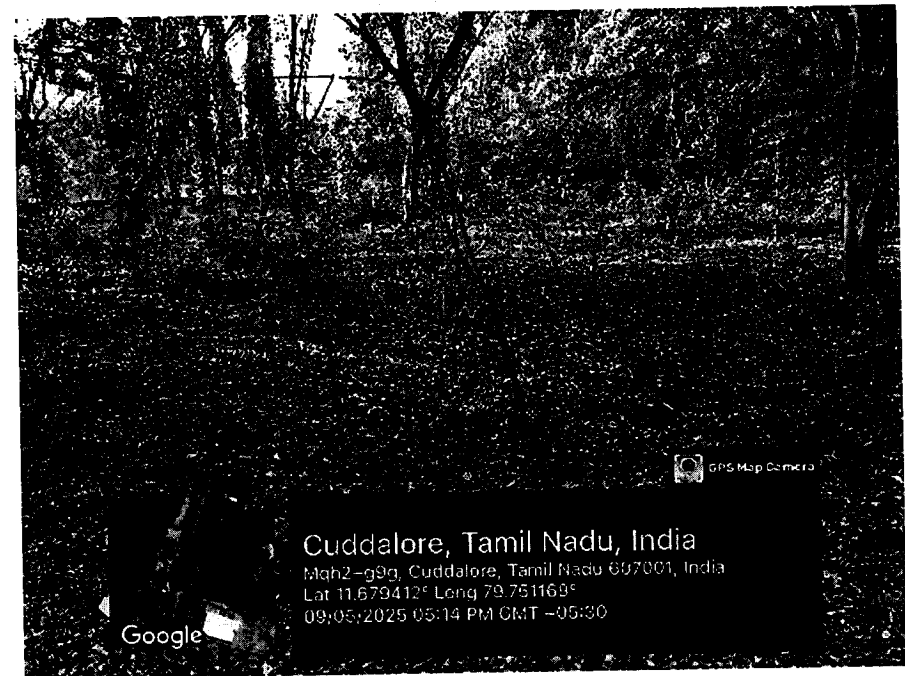
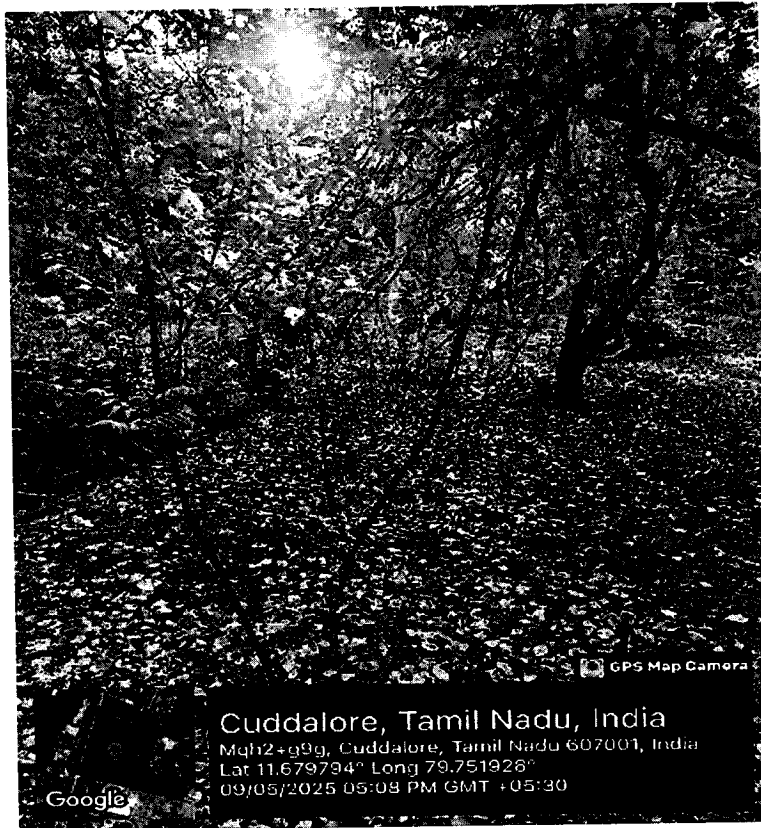
Within the campus - Near scrap yard



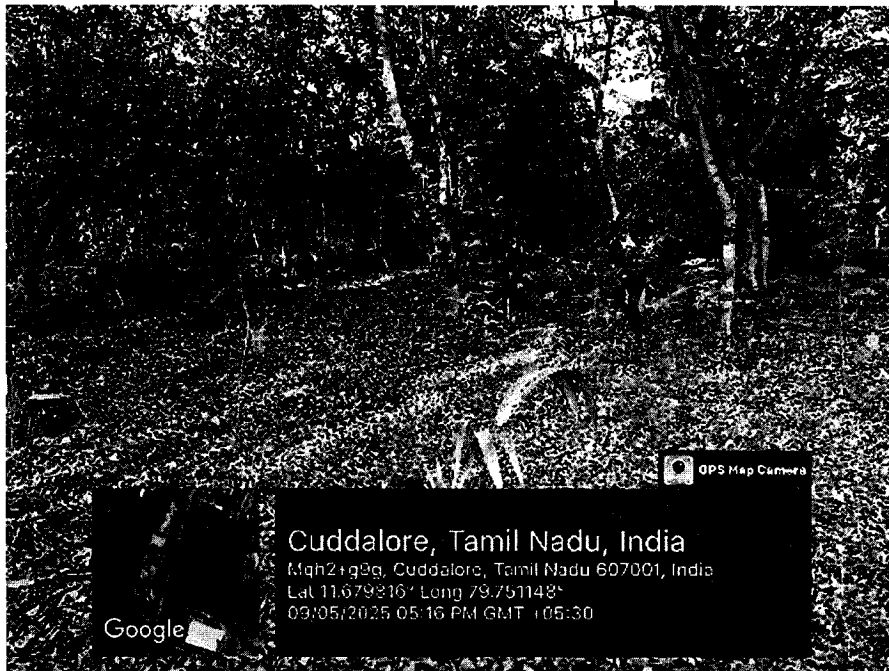
Within the campus – Second main gate back side



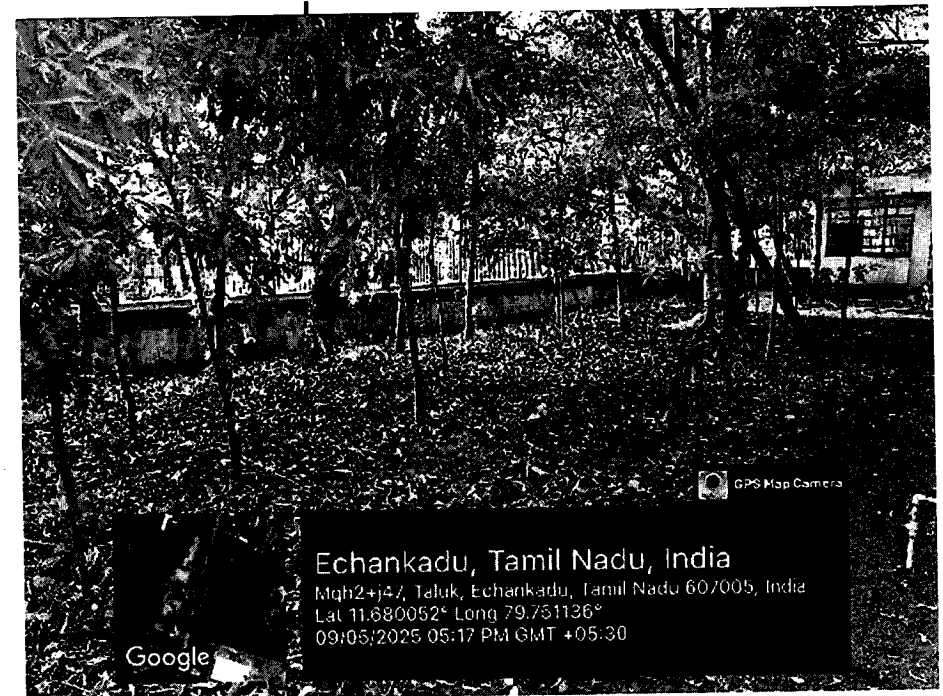
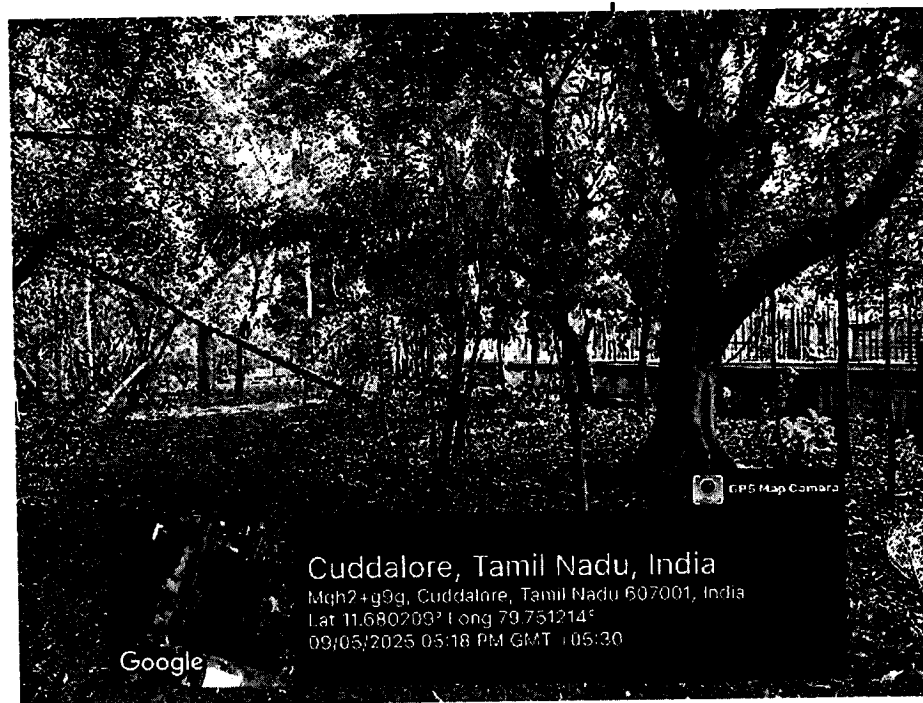
Within the campus - Near scrap yard



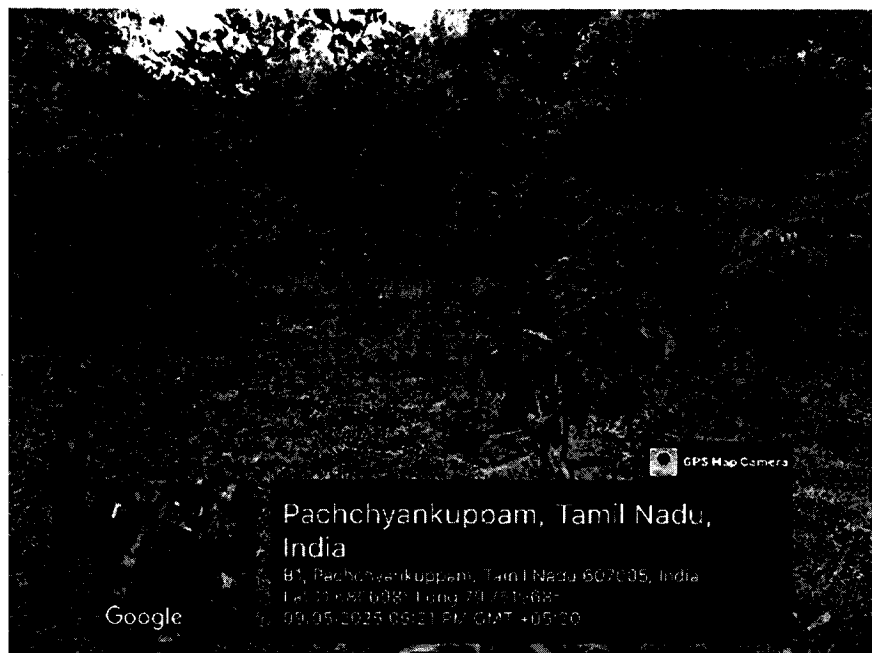
Within the campus – Second main gate back side



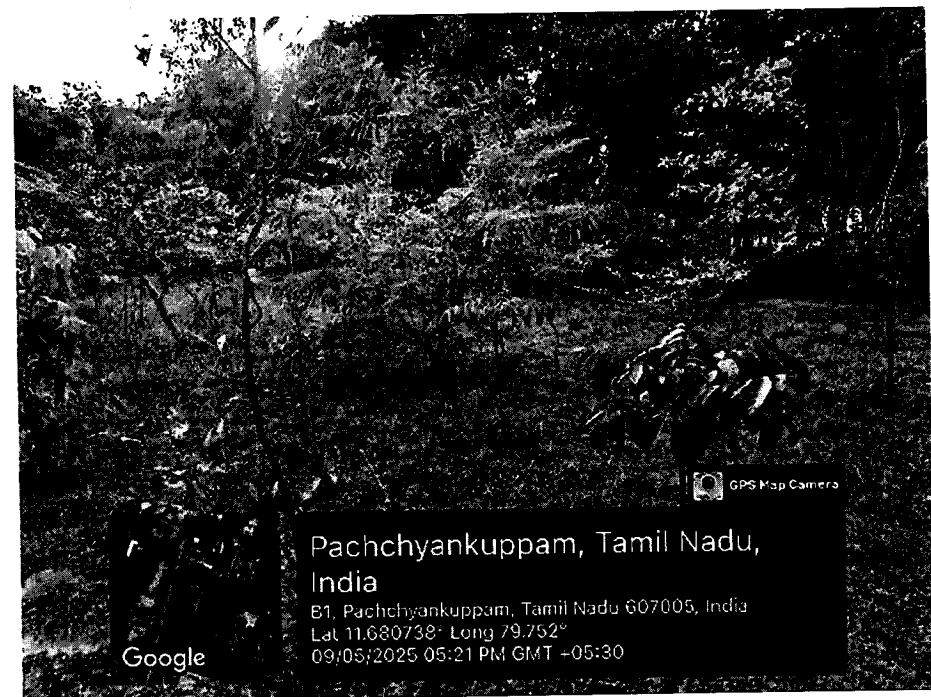
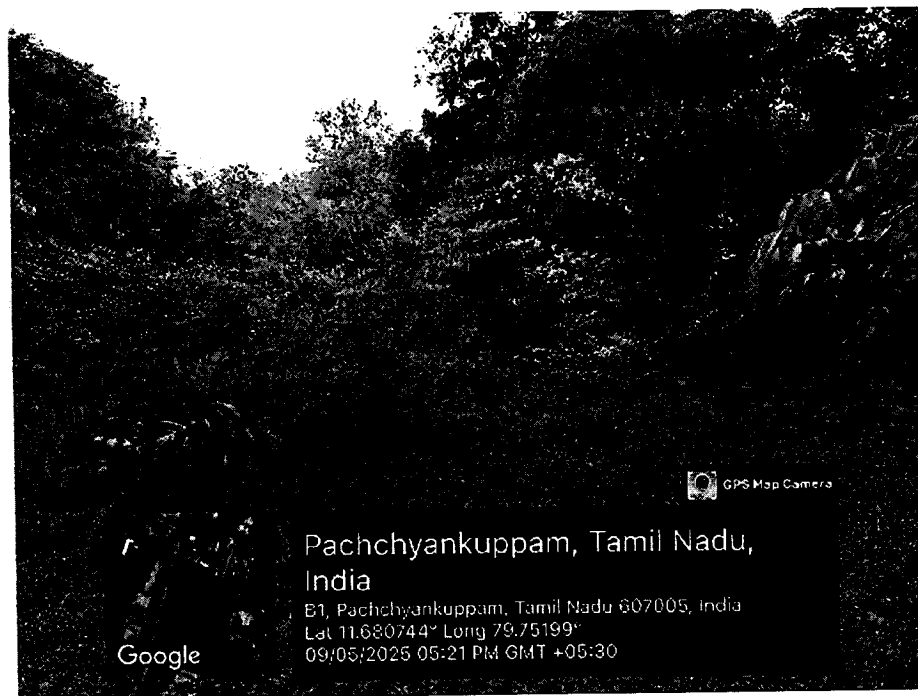
Within the campus – Second main gate back side



Within the campus - Near Bike shed opposite



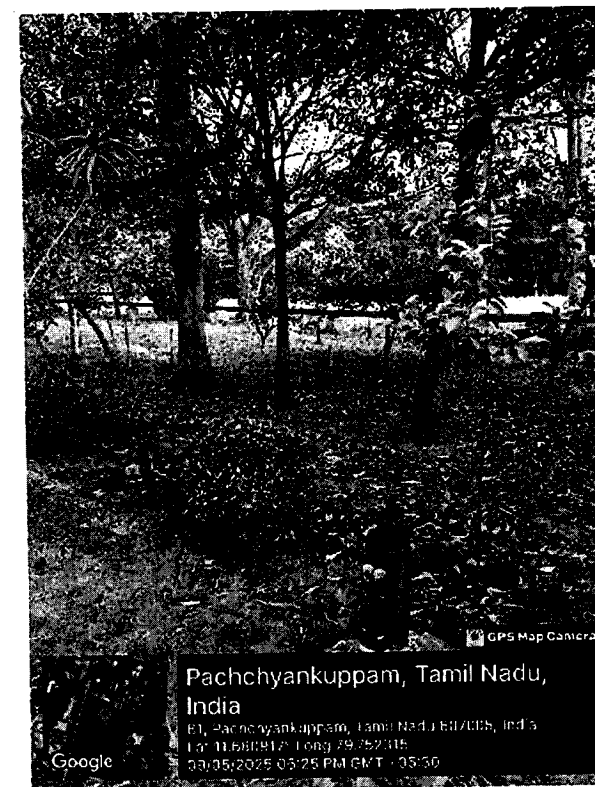
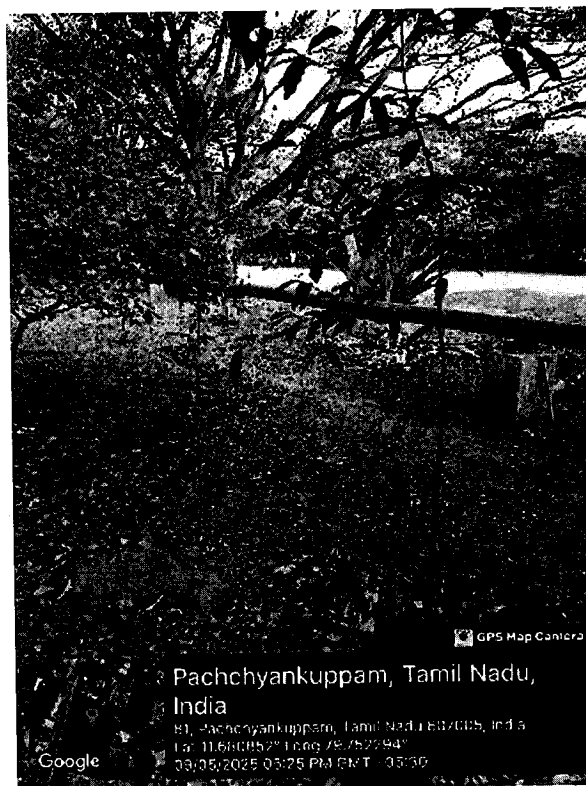
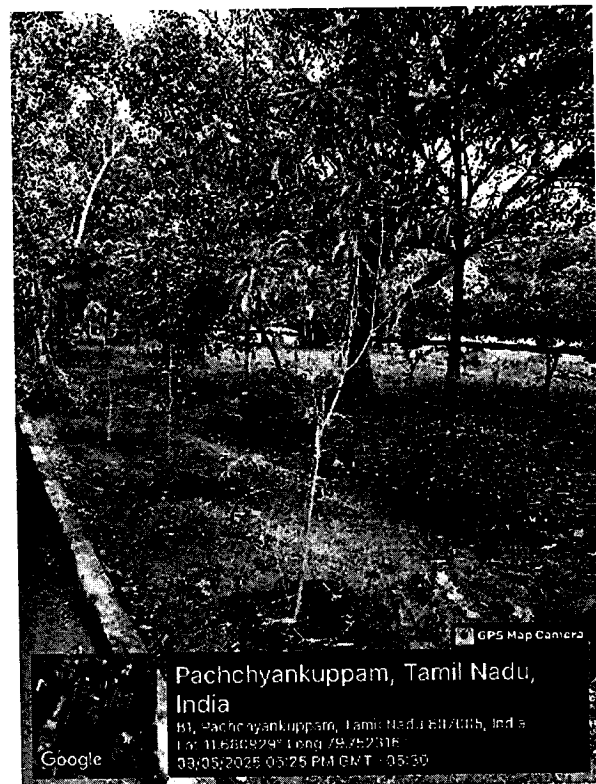
Within the campus - Near Bike shed opposite



Within the campus - Near Bike shed opposite



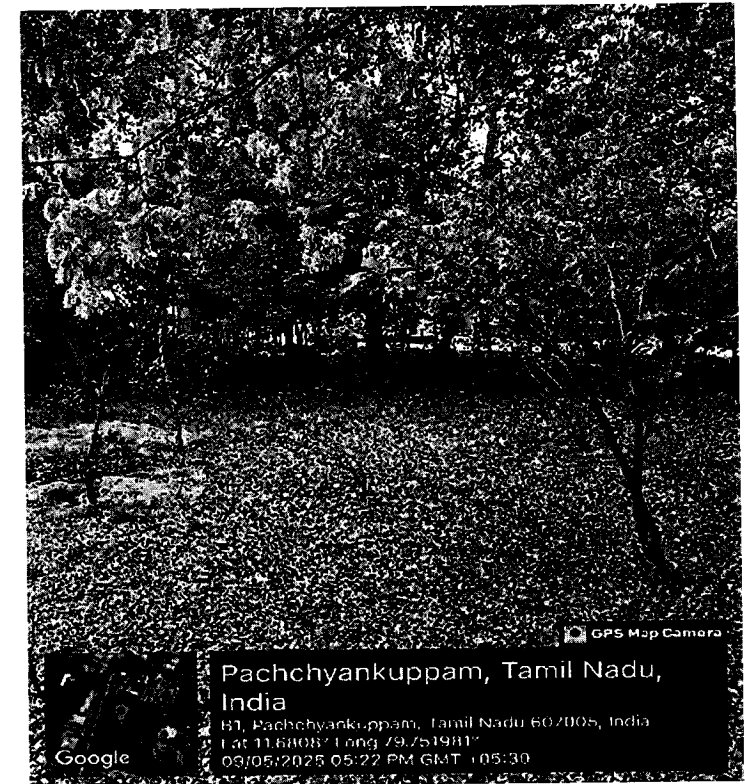
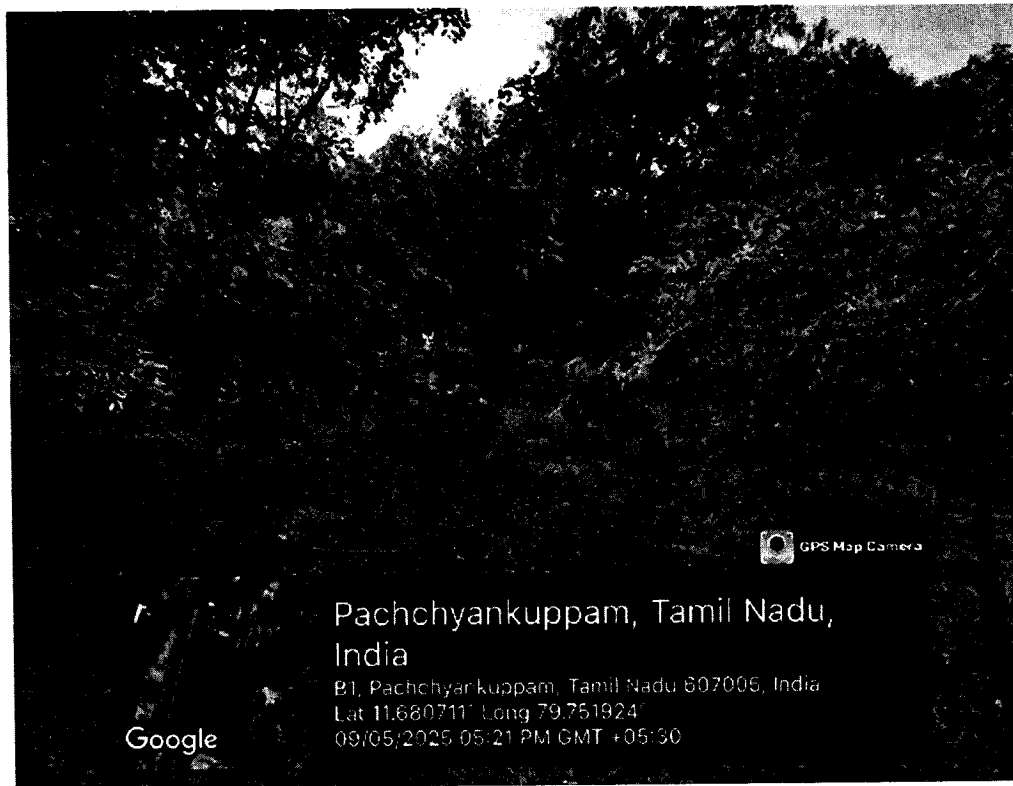
Within the campus - Near Bike shed opposite



Within the campus - Near Bike shed opposite



Within the campus - Near Bike shed opposite



Within the campus – Bike parking opposite side



Within the campus – Entrance Main road



Annexure 6 - EMP Bank Statement



Account Name
Address

: ASIAN PAINTS LIMITED
6 A SHANTINAGAR, YAKOLA PIPE, LINE
ROAD, SANTACRUZ(EAST), SANTACRUZ(E) MUMBAI, Mumbai
Suburban
MUMBAI
MAHARASHTRA-400055
IN

Date : 14 Nov 2025
Account Number : 00000037888950027
Account Description : CA-GOLD-PUB-OTH-ALL-INR
Branch : CUDDALORE OT
Drawing Power : 0.00
Interest Rate(% p.a.) : 0.0
MOD Balance : 0.00
CIF No. : 80569381844
IFS Code : SBIN0000829
MICR Code : 607002004
Balance as on 1 Apr 2025 : 1,80,467.20

Account Statement from 1 Apr 2025 to 14 Nov 2025

Txn Date	Value Date	Description	Ref No./Cheque No.	Branch Code	Debit	Credit	Balance
15/04/2025	15/04/2025	CHEQUE DEPOSIT- -173700	TRANSFER TO 1058349498 ASIAN PAINTS LIMITED / 173700	829		8,00,000.00	9,80,467.20
19/04/2025	19/04/2025	CHEQUE WDL- CHEQUE TRANSFER TO- 798831	TRANSFER FROM 10583473230 MR. MAYAVAN C / 798831	829	1,64,843.00		8,15,624.20
21/04/2025	21/04/2025	TO CLEARING-Chq No. 798830 IOB M S SMK CONSTRUCTION E-798830	/ 798830	10395	2,21,429.00		5,94,195.20
22/04/2025	22/04/2025	TO CLEARING-Chq No. 798829 ICI ARUNACHALAA ENTERPRISES- 798829	/ 798829	10395	1,17,327.00		4,76,868.20
28/04/2025	28/04/2025	TO CLEARING-Chq No. 798832 ICI ARUNACHALAA ENTERPRISES- 798832	/ 798832	10395	96,274.00		3,80,594.20
13/05/2025	13/05/2025	TO CLEARING-Chq No. 798834 ICI ARUNACHALAA ENTERPRISES- 798834	/ 798834	10395	1,08,703.00		2,71,891.20
14/05/2025	14/05/2025	TO CLEARING-Chq No. 798833 FBL SMSLABSSERVIC- 798833	/ 798833	10395	6,608.00		2,65,283.20
17/05/2025	17/05/2025	TO CLEARING-Chq No. 798835 FBL SMSLABSSERVICE SPRIV-798835	/ 798835	10395	6,048.00		2,59,235.20

Txn Date	Value Date	Description	Ref No./Cheque No.	Branch Code	Debit	Credit	Balance
17/05/2025	17/05/2025	TO CLEARING-Chq No. 798836 FBL SMSLABSSERVICE SPRIV/798836	/ 798836	10395	6,048.00		2,53,187.20
17/05/2025	17/05/2025	TO CLEARING-Chq No. 798837 FBL SMSLABSSERVICE SPRIV/798837	/ 798837	10395	6,048.00		2,47,139.20
04/06/2025	04/06/2025	TO CLEARING-Chq No. 798838 FBL SMSLABSSERVICE-798838	/ 798838	10395	6,048.00		2,41,091.20
04/06/2025	04/06/2025	TO CLEARING-Chq No. 798839 FBL SMSLABSSERVICE-798839	/ 798839	10395	6,048.00		2,35,043.20
25/06/2025	25/06/2025	TO CLEARING-Chq No. 798840 FBL SMSLABSSERVICE-798840	/ 798840	10395	6,048.00		2,28,995.20
26/06/2025	26/06/2025	CHEQUE DEPOSIT-173727	TRANSFER TO 10583494998 ASIAN PAINTS LIMITED / 173727	829		7,00,000.00	9,28,995.20
30/06/2025	30/06/2025	CHEQUE WDL-CHEQUE TRANSFER TO-798841	TRANSFER FROM 40355295694 GREEN GENE ENVIRO PROT / 798841	3783	2,57,807.00		6,71,188.20
01/07/2025	01/07/2025	TO CLEARING-Chq No. 798842 UBI CUDDALORE SIPCOT INDUSTRI-798842	/ 798842	10395	24,245.00		6,46,943.20
04/07/2025	04/07/2025	TO CLEARING-Chq No. 798844 IOB M S SMK CONSTRUCTION E-798844	/ 798844	10395	2,33,745.00		4,13,198.20
04/07/2025	04/07/2025	CHEQUE WDL-CHEQUE TRANSFER TO-798843	TRANSFER FROM 40355295694 GREEN GENE ENVIRO PROT / 798843	2262	2,66,630.00		1,46,568.20
25/07/2025	25/07/2025	CHEQUE DEPOSIT-173736	TRANSFER TO 10583494998 ASIAN PAINTS LIMITED / 173736	829		8,00,000.00	9,46,568.20
29/07/2025	29/07/2025	TO CLEARING-Chq No. 798847 UBI CUDDALORE SIPCOT INDUSTRI-798847	/ 798847	10395	23,050.00		9,23,518.20
29/07/2025	29/07/2025	CHEQUE WDL-CHEQUE TRANSFER TO-798845	TRANSFER FROM 40355295694 GREEN GENE ENVIRO PROT / 798845	7013	2,60,166.00		6,63,352.20
29/07/2025	29/07/2025	CHEQUE WDL-CHEQUE TRANSFER TO-798846	TRANSFER FROM 40355295694 GREEN GENE ENVIRO PROT / 798846	7013	2,72,786.00		3,90,566.20
04/08/2025	04/08/2025	CHEQUE WDL-CHEQUE TRANSFER TO-798848	TRANSFER FROM 10583473230 Mr. MAYAVAN CHITTU / 798848	829	1,71,996.00		2,18,570.20
11/08/2025	11/08/2025	CHEQUE DEPOSIT-173737	TRANSFER TO 10583494998 ASIAN PAINTS LIMITED / 173737	829		7,00,000.00	9,18,570.20
18/08/2025	18/08/2025	CHEQUE WDL-CHEQUE TRANSFER TO-798850	TRANSFER FROM 40355295694 GREEN GENE ENVIRO PROT / 798850	2262	2,80,276.00		6,38,294.20
18/08/2025	18/08/2025	CHEQUE WDL-CHEQUE TRANSFER TO-798849	TRANSFER FROM 40355295694 GREEN GENE ENVIRO PROT / 798849	2262	2,73,094.00		3,65,200.20

Txn Date	Value Date	Description	Ref No./Cheque No.	Branch Code	Debit	Credit	Balance
19/08/2025	19/08/2025	TO CLEARING-Chq No. 798851 ICI ARUNACHALAA ENTERPRISES-798851	/ 798851	10395	1,10,938.00		2,54,262.20
19/08/2025	19/08/2025	TO CLEARING-Chq No. 798852 ICI ARUNACHALAA ENTERPRISES-798852	/ 798852	10395	81,700.00		1,72,562.20
03/09/2025	03/09/2025	CHEQUE DEPOSIT-173745	TRANSFER TO 10583494998 ASIAN PAINTS LIMITED / 173745	829		7,00,000.00	8,72,562.20
08/09/2025	08/09/2025	TO CLEARING-Chq No. 798855 ICI ARUNACHALAA ENTERPRISES-798855	/ 798855	10395	9,161.00		8,63,401.20
08/09/2025	08/09/2025	TO CLEARING-Chq No. 798854 ICI ARUNACHALAA ENTERPRISES-798854	/ 798854	10395	1,37,552.00		7,25,849.20
09/09/2025	09/09/2025	TO CLEARING-Chq No. 798856 FBL SMSLABSSERVIC-798856	/ 798856	10395	48,384.00		6,77,465.20
15/09/2025	15/09/2025	TO CLEARING-Chq No. 798853 UBI ENVIROTECH INSTRUMENTS PV-798853	/ 798853	10395	15,312.00		6,62,153.20
16/09/2025	16/09/2025	TO CLEARING-Chq No. 798860 ICI ARUNACHALAA ENTERPRISES-798860	/ 798860	10395	54,734.00		6,07,419.20
16/09/2025	16/09/2025	TO CLEARING-Chq No. 798859 ICI ARUNACHALAA ENTERPRISES-798859	/ 798859	10395	64,109.00		5,43,310.20
17/09/2025	17/09/2025	TO CLEARING-Chq No. 798861 CIT SGS INDIA PVT LTD CH-798861	/ 798861	10395	14,580.00		5,28,730.20
17/09/2025	17/09/2025	TO CLEARING-Chq No. 798858 FBL SMSLABSSERVIC-798858	/ 798858	10395	22,610.48		5,06,119.72
25/09/2025	25/09/2025	TO CLEARING-Chq No. 798857 UBI CHEMTECH SYSTEMS AND CHEM-798857	/ 798857	10395	5,399.00		5,00,720.72
06/10/2025	06/10/2025	CHEQUE DEPOSIT-173753	TRANSFER TO 10583494998 ASIAN PAINTS LIMITED / 173753	829		9,00,000.00	14,00,720.72
08/10/2025	08/10/2025	CHEQUE WDL-CHEQUE TRANSFER TO-798865	TRANSFER FROM 10583473230 Mr. MAYAVAN CHITTU / 798865	829	1,12,852.00		12,87,868.72
08/10/2025	08/10/2025	CHEQUE WDL-CHEQUE TRANSFER TO-798864	TRANSFER FROM 10583473230 Mr. MAYAVAN CHITTU / 798864	829	2,98,483.00		9,89,385.72
12/10/2025	12/10/2025	TO CLEARING-Chq 798863 Sess 6 Seq 0000082020 ARUNACHALAA ENTER-798863	/ 798863	10395	2,69,287.00		7,20,098.72
12/10/2025	12/10/2025	TO CLEARING-Chq 798862 Sess 6 Seq 0000082021 ARUNACHALAA ENTER-798862	/ 798862	10395	2,75,789.00		4,44,309.72
13/10/2025	13/10/2025	TO CLEARING-Chq 798867 Sess 6 M S SMK CONSTRUCTION 0000029551-798867	/ 798867	10395	2,48,207.26		1,96,102.46

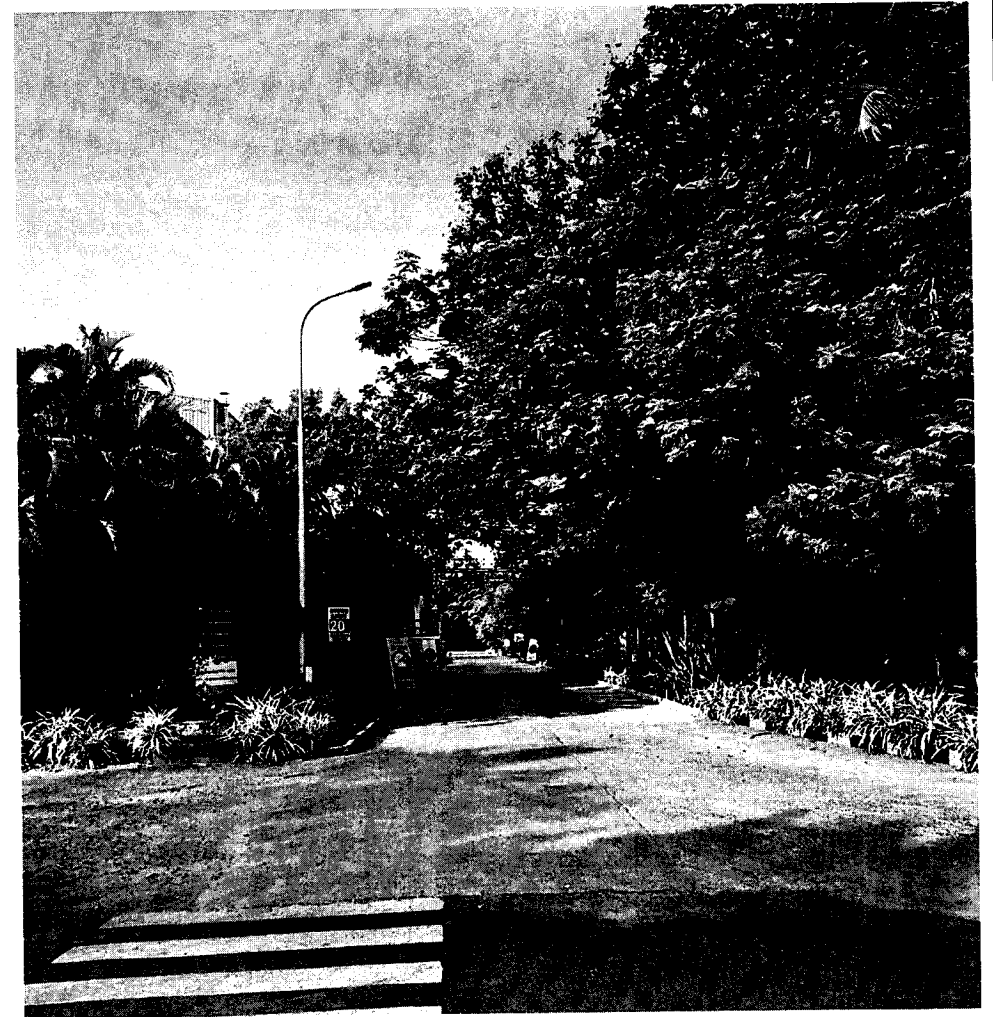
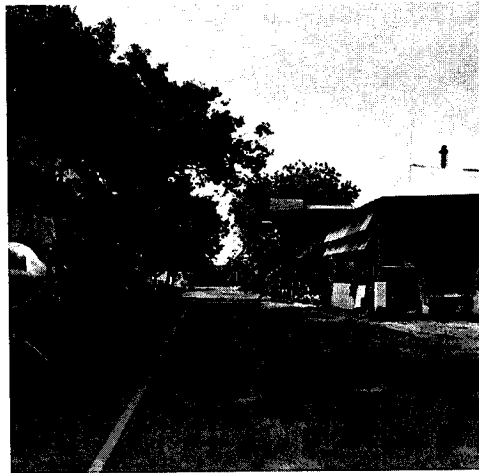
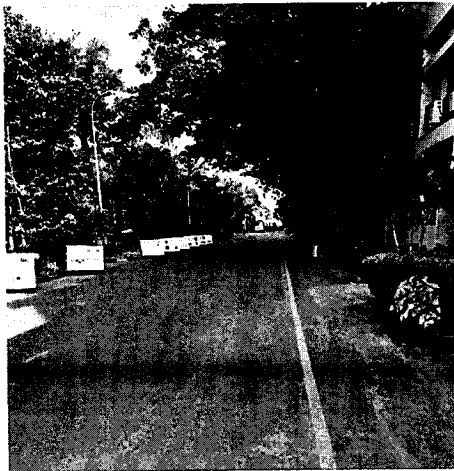
Txn Date	Value Date	Description	Ref No./Cheque No.	Branch Code	Debit	Credit	Balance
16/10/2025	16/10/2025	CHEQUE DEPOSIT- -173758	TRANSFER TO 10583494998 ASIAN PAINTS LIMITED / 173758	829		6,00,000.00	7,96,102.46
27/10/2025	27/10/2025	TO CLEARING-Chq 798868 Sess 6 SMSLABSSERVICE SPRIV 0000081665 -798868	/ 798868	10395	3,028.90		7,93,073.56
27/10/2025	27/10/2025	TO CLEARING-Chq 798870 Sess 6 SMSLABSSERVICE SPRIV 0000081666 -798870	/ 798870	10395	2,839.22		7,90,234.34
01/11/2025	01/11/2025	CHEQUE WDL- CHEQUE TRANSFER TO- 798874	TRANSFER FROM 10583473230 Mr. MAYAVAN CHITTU / 798874	829	3,22,467.00		4,67,767.34
05/11/2025	05/11/2025	TO CLEARING-Chq 798873 Sess 4 SMSLABSSERVICE 0000759159-798873	/ 798873	10395	54,432.00		4,13,335.34
05/11/2025	05/11/2025	TO CLEARING-Chq 798875 Sess 4 SMSLABSSERVICE 0000759160-798875	/ 798875	10395	10,368.00		4,02,967.34
05/11/2025	05/11/2025	TO CLEARING-Chq 798876 Sess 4 SMSLABSSERVICE 0000759161-798876	/ 798876	10395	6,048.00		3,96,919.34
05/11/2025	05/11/2025	TO CLEARING-Chq 798877 Sess 4 SMSLABSSERVICE 0000759162-798877	/ 798877	10395	19,048.84		3,77,870.50
12/11/2025	12/11/2025	TO CLEARING-Chq 798871 Sess 6 ARUNACHALAA ENTERPRIS 0001266001-798871	/ 798871	10395	2,74,277.00		1,03,593.50

**This is a computer generated statement and does not require a signature.

Annexure 7 - Trees Planted Data

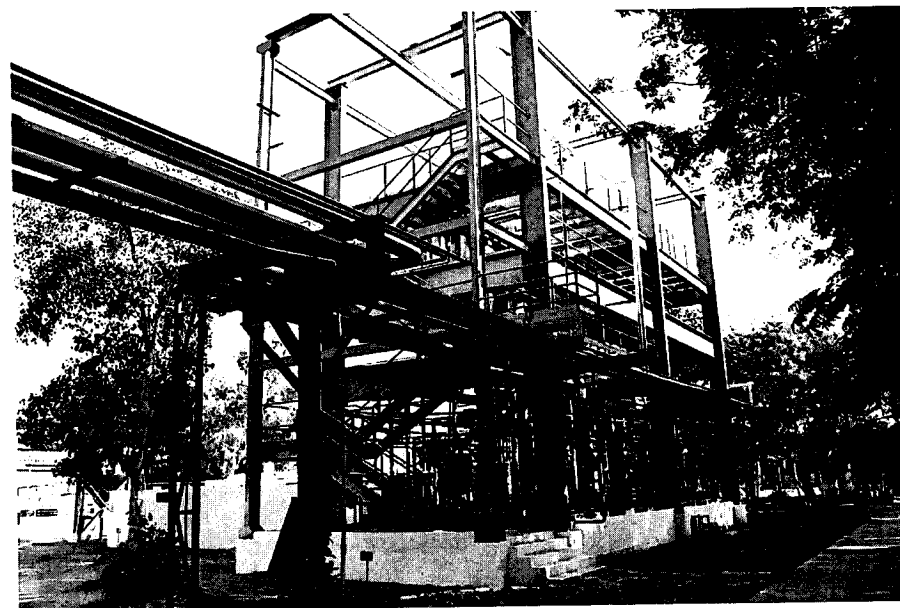
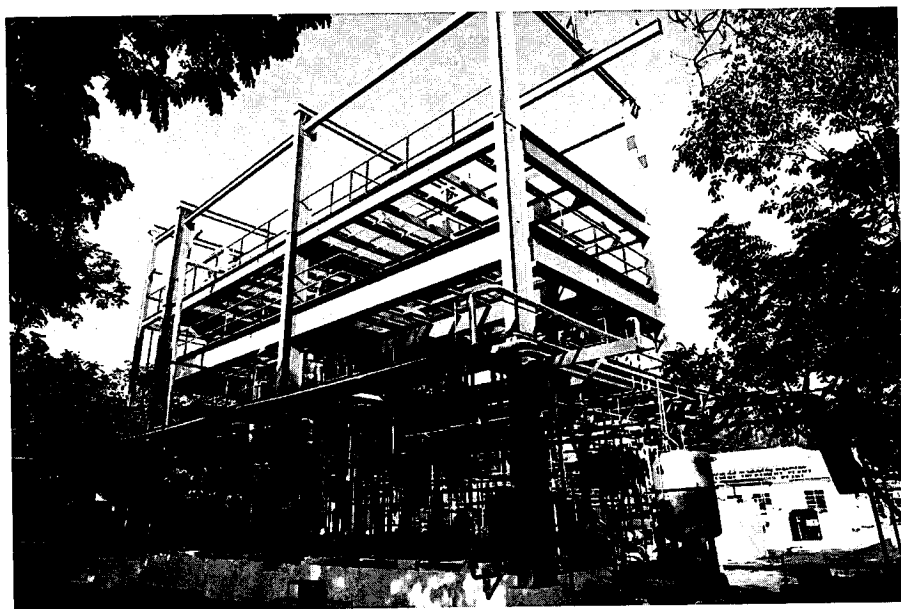
S.no	Month	Name / No of trees	No of trees
1.	April	Poovarasu Naval	100 77
2.	May	Naval	170
3.	June	Poovarasu	256
4.	July	Poovarasu	85
5.	August	Poovarasu	15
6.	September	Naval	76
	Total		779

Annexure 8 - Roads And Speed Limit Board

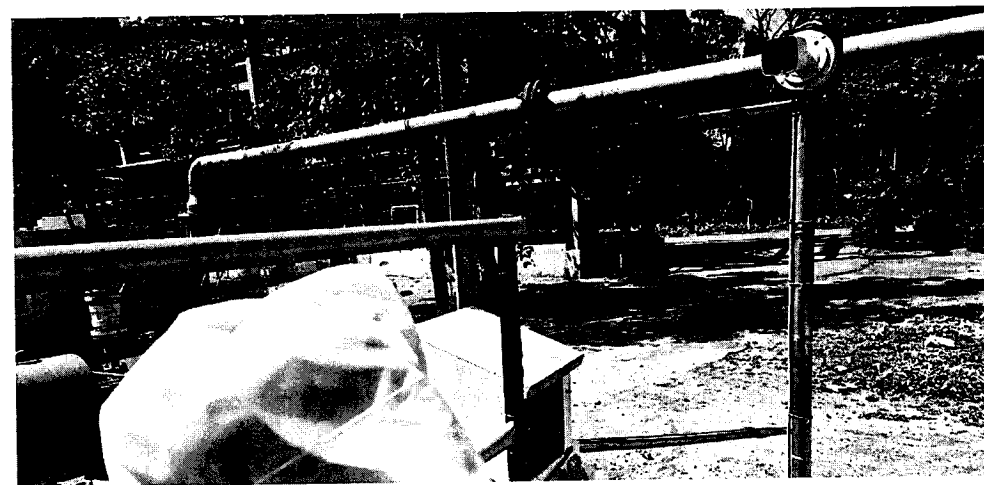
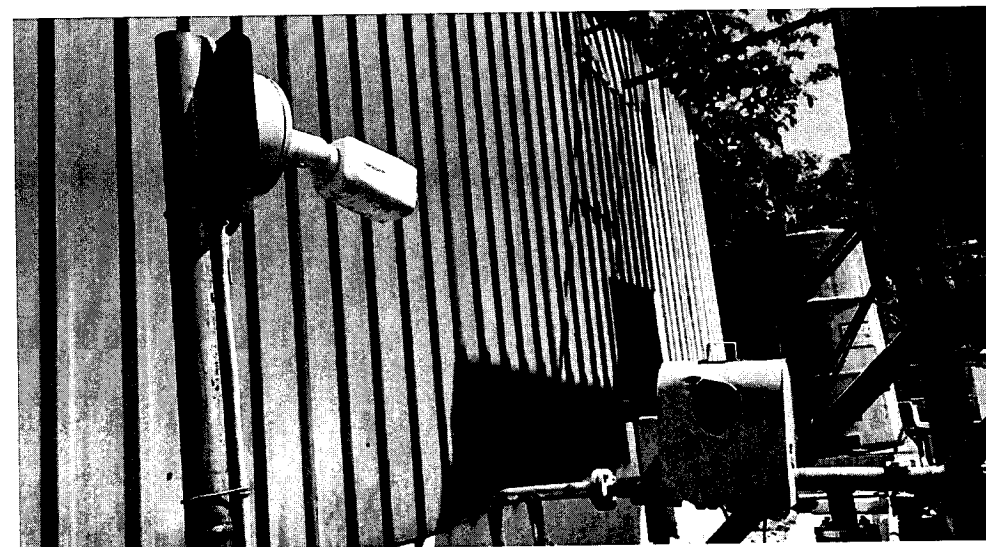
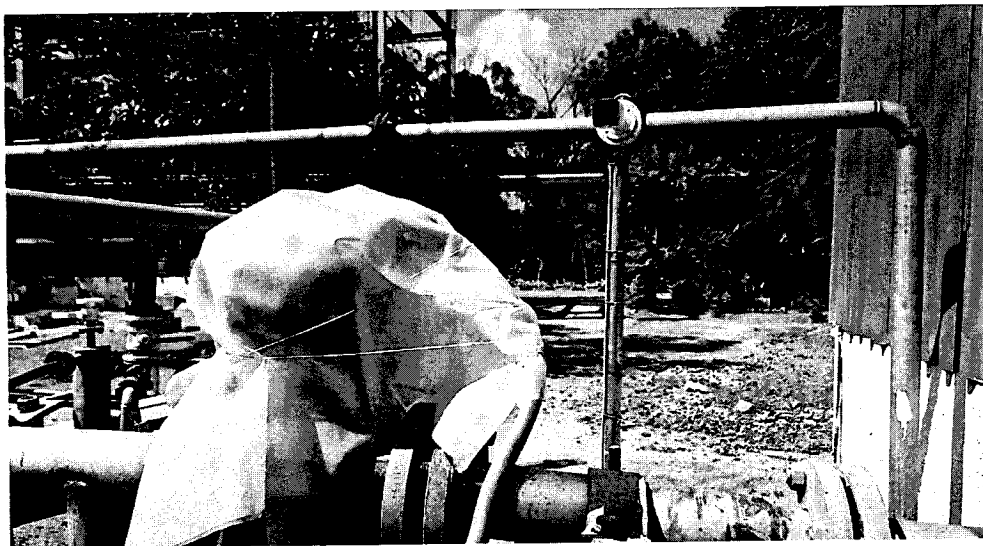




Annexure 9 - ZLD Photo

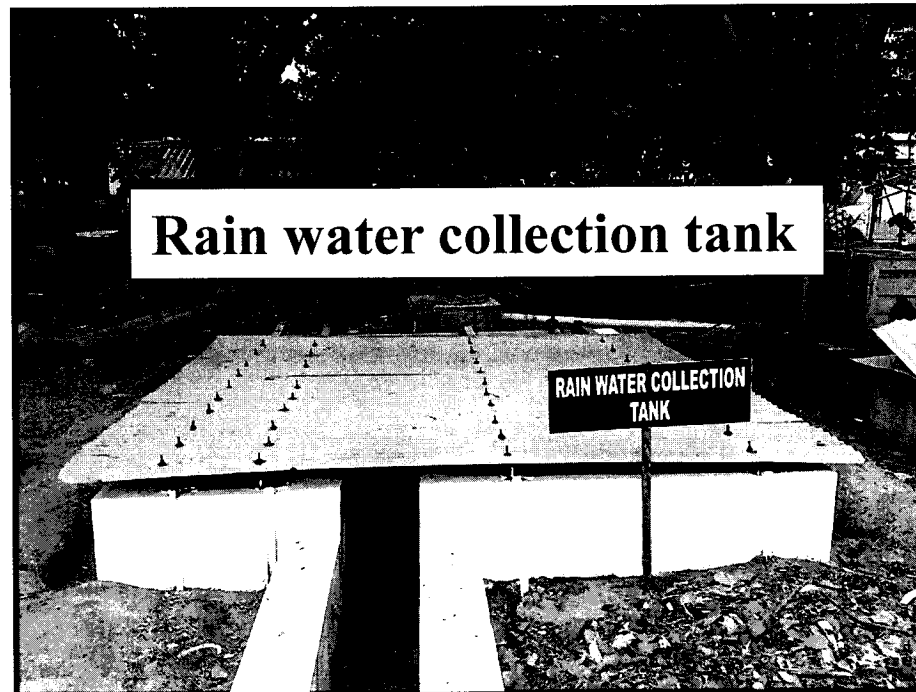


Annexure 10 - Night Vision Camera



Annexure 11 - Rain Water Harvesting System

From Roof Tops



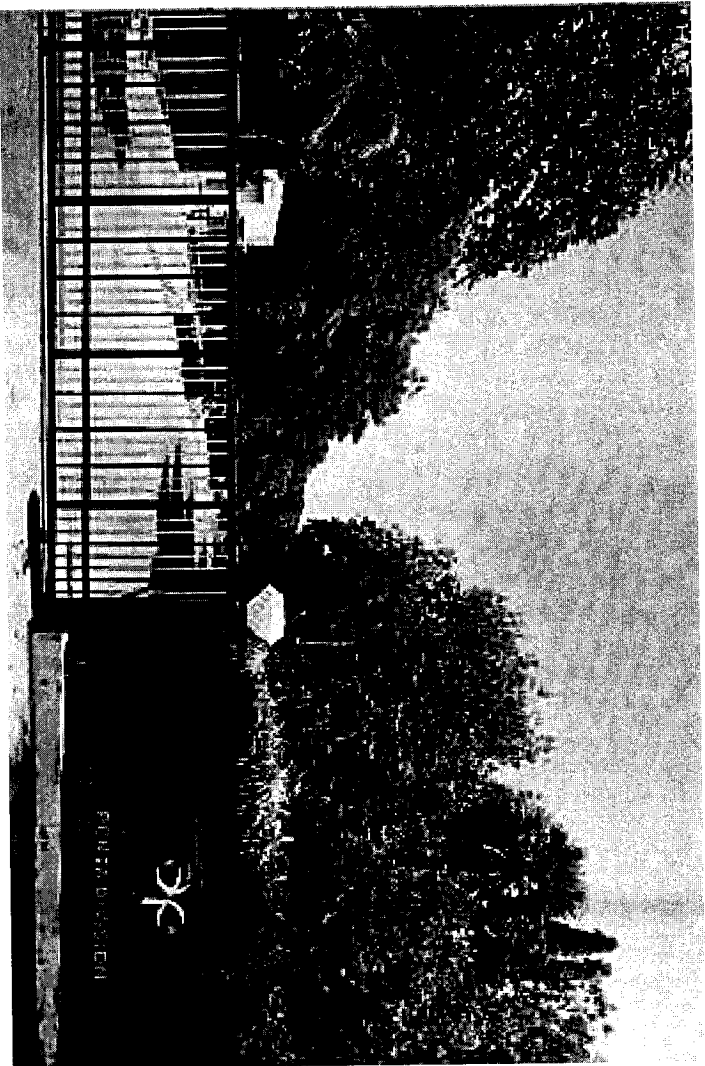
RAIN WATER HARVESTING AT BOILER PLANT SITE



Annexure 12 - 3rd Party EC Compliance Audit Report

ENVIRONMENTAL CLEARANCE COMPLIANCE AUDIT REPORT

*Asian Paints Limited, Penta Division,
B5 to B10, Sipcot Industrial Complex,
Kudikadu Village, Cuddalore District,
Tamil Nadu - 607005.*



Red Sea Eco Solutions & Instruments (P) Ltd.

Plot No. B1, Mogappair Industrial Estate, 5th street, Reddypokuram road,

Mogappair West, Chennai - 600 037.

Phone: 044-3500 7448, E-Mail - redseesie@gmail.com

Certificate No.: NABET/EIA/2326/JA.0720 Validity: 08/06/2026

February ' 2025

Contents

1.	INTRODUCTION	3
2.	COMPLIANCE REPORT ENVIRONMENTAL CLEARANCE	5
3.	LIST OF ANNEXURES	20

1. INTRODUCTION

M/s. Asian Paints Ltd. is the India's largest paint company incorporated during 1942 and is amongst the top 9 decorative paint manufacturing companies in the world with operations across 14 countries and 26 facilities in the world, servicing consumers in over 60 countries through Berger International, SCIB Paints -Egypt, Asian Paints, Apco Coatings, Taubmans and Kadisco. We have an enviable reputation for world class HSE practices with corporate philosophy to much beyond environmental compliance. Penta division of Asian Paints at Cuddalore has been accredited with ISO 9001, 14001 and 45001 certifications. Plant adopted manufacturing excellence program which is a digital integrative improvement solution that assists in achieving sustainable results through best practices and work process improvement across by involving the plant operations teams. M/s Asian Paints Ltd. - Penta Division is located at B5 - B10 SIPCOT Industrial Complex, Kudikadu Village, Cuddalore is engaged in the manufacture of chemicals viz Pentaerythritol, Sodium Formate and Formaldehyde with Captive Power Plant

The unit Obtained environmental Clearance for expansion of its operations vide EC Identification No. EC22A021TN152664 Dt.29.11.2022 under the category 5(f) Synthetic Organic Chemicals Industry.

The industry approached M/s. RedSea Eco Solutions & Instruments (P) Ltd to conduct compliance audit of their plant with reference to the Environmental Clearance obtained. The Scope of audit as follows.

- Site Visits and Preliminary discussion
- Review of Production related documents, Raw Materials handling, Waste Analysis / Emission monitoring reports.
- Discussion with departments to collect information's on Environmental Clearance conditions and verification of objective evidences.

A team headed by Dr. D.Jestin Roy from Redsea Eco Solutions & Instruments (P) Ltd audited the plant Dt.25.02.2025 and the findings along with recommendations are presented with this report. The audit was primarily based on the site visit, secondary data provided by M/s. Asian Paints Limited - Penta Division. Professional Judgement expressed in this report is based on the available facts and data within the scope of work.

Details of Assessment:

Environmental Clearance Obtained EC Identification No: EC22A021TN152664, File No. : IA-J-11011/283/2021-IA-II (I) dt.29.11.2022.

The Unit obtained Consent to Operate from TNPCB. Consent To Operate for Phase -I Air (Prevention & Control of Pollution) Act, 1981 as amended 1987, Consent Order No: 2407262689206 Dt.30.10.2024 Valid upto 31.03.2026. & CPP - 2408256877875 Dt.29.04.2024 Valid upto 31.03.2027

Water (prevention & Control of Pollution) Act 1974 as amended in 1988, Consent Order No: 2407162689206 Dt.30.10.2024 Valid upto 31.03.2026 & CPP - 2408156877875 Dt. 29.04.2024 Valid upto 31.03.2027

Hazardous waste Authorization: Ref No: 24HFC48368616 Dt.27.06.2024 Valid upto 31.03.2029.

The Unit has submitted Fresh application for Hazardous Waste Authorization ref : 63824221 Dt.04.01.2025 for changes in authorization for Waste Category & Quantity. The application is under scrutiny of TNPCB.

2. COMPLIANCE REPORT ENVIRONMENTAL CLEARANCE

File No. : IA-J-11011/283/2021-IA-II (I) dt.29.11.2022.

A. Specific Conditions:

5. No	Condition	Compliance
1.	The operating parameters shall be maintained so that the stack emissions comply with the prescribed norms i.e. PM < 50 ppm; SOx < 600 mg/Nm ³ ; NOx < 300 mg/Nm ³ . Boiler stack emissions shall be maintained as per TPP guidelines for units installed after 1st Jan. 2003 to 31st Dec. 2016.	Complied. The Unit Maintains stack emissions within the prescribed norms i.e. PM < 50 ppm; SOx < 600 mg/Nm ³ ; NOx < 300 mg/Nm ³ . The unit also ensures adherence of critical pollutants parameters within the stack emission standards as per TPP guidelines after 1st Jan 2003 to 31 st Dec 2016. Details of Stack Monitoring Reports enclosed as Annexure - 1
2.	Continuous online (24x7) monitoring system for stack emissions shall be provided for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB servers.	Complied. The unit had installed Continuous online emission monitoring System (OCEMS) in accordance with CPCB (OCEMS) guidelines for the relevant Parameters and connected to SPCB / CPCB server. Details of OCEMS enclosed as Annexure - 2
3.	Cyclone separators and Bag filters shall be provided for effective fugitive emission control. Covered pneumatic system and Silo shall be provided for transport and storage of ash.	Complied. The Unit had adopted effective fugitive emission control measures such as cyclone separators, Bag filters in the process. The unit installed covered material handling system transport and silo for storage of ash. Photos of the Emission control measures & Silo enclosed as Annexure - 3
4.	The transportation of materials shall be by rail/belt conveyor, to the extent feasible.	Complied. The unit installed closed conveyor system for transporting coal within the plant, Closed material transfer and other suitable systems for transportation of all the materials.

5.	Industry shall use biomass as Primary Fuel for Boiler and only in case of shortage of Briquettes, coal/lignite may be used as secondary fuel. Further, efforts shall be made for the usage of natural gas.	Agreed to Comply. The unit currently ensures usage of coal of High Calorific Value with low ash and sulphur content. The unit agreed to implement biomass as primary fuel for boiler during the change over of the existing boiler. Alternatively, the unit agreed to implement CNG as fuel based on the availability & feasibility for supply in the location.
6.	The PP shall ensure that best available technology is used.	Agreed & Being Complied 1. Fluidized bed combustion boiler is used to maximize fuel combustion. 2. Spent steam from turbine is used in process plant. 3. After giving heat duty, saturated steam as condensate is returned back to Boiler as feed water. 4. The state-of-the-art technology centrifuges are used for best technology separation process. 5. Recycle and reuse of in process materials are effectively carried out. 6. Vapour absorption is used for effective refrigeration of heat transfer is implemented. 7. RO permeate recovered from effluent treatment plant is reused for cooling tower makeup water 8. Radiation losses are effectively controlled by proper insulation in all pipelines The unit ensures recycling/ reuse of materials wherever feasible in the process. The Unit implemented energy conservation measures such as usage of variable frequency drives in equipments, LED lights to reduce carbon foot print.

7.	The PP shall increase the existing greenbelt of 37% to at least 40 % of total area by planting 570 number of trees within a period of one year from grant of EC. The saplings selected for the plantation should be of sufficient height, preferably 6-ft (about 2m). The budget earmarked for the plantation shall be ₹2 Lakh and shall be kept in separate account and should be audited annually. The PP should annually submit the audited statement along with proof of activities viz. photographs (before & after with geo-location date & time), details of the expert agency engaged, details of species planted, number of species planted, survival rate, density of plantation etc. to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during the previous year.	Partly Complied. The unit has a plot coverage of 118173.0 Sq.m. Greenbelt area of 47269.0 Sq.m (40%) developed within the existing project site and the surroundings of the Project site. The unit maintains separate account for EMP including budget earmarked for greenbelt development. Details of greenbelt being submitted to IRO of MoEF&CC during compliance submission. The unit shall submit audit statement and Photographs with geo-location to IRO of MoEF&CC on yearly basis before 1 st July of the year. Photos of Greenbelt within the Facility enclosed as Annexure - 4
8.	In addition to the above, 1200 number of saplings shall be planted in the next 2 years such as avenue plantation, plantation in vacant areas, social forestry, etc.	Complied. The unit had developed 8034 sq.m land area as greenbelt outside the premises. No. of Saplings planted till February '25 - 2032 Nos.
9.	The transportation load on roads shall be within their carrying capacity and adequate width of the roads shall be maintained inside the industrial premises.	Complied. The unit maintains a minimum road width of 9.0m with a load bearing capacity of up to 60 tons within the facility.
10.	The treated effluent (Process & Utility) from ETP, RO and MEE shall be reused in the process and the treated effluent from the STP shall be used for green belt etc. Zero Liquid Discharge shall be maintained.	Complied. The unit ensures treated effluent is reused in the boiler and cooling tower. The treated effluent from STP used for greenbelt. The Unit maintains zero liquid Discharge (ZLD)
11.	Continuous monitoring of effluent quality/quantity shall be provided	Complied.

	along with installation of web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.	The unit ensures continuous monitoring for the quality and quantity of effluent, maintaining online connectivity to the SPCB/CPCB server, with all characteristics well within the prescribed limits. The unit had installed web camera with night vision capability and flow meters in the channel carrying effluent within the premises. Photos of the Web Camera and Flow meters in the channel enclosed as Annexure - 5
12.	The storm water from the roof top shall be channelized through pipes to the storage tank constructed for harvesting of rain water in the premises and harvested water shall be used for various industrial processes in the unit. No recharge shall be permitted within the premises. Process effluent/ any wastewater shall not be allowed to mix with storm water.	Complied. The Unit has established rain water collection & storage tanks connected with storm water drain line for collection of rain water. No recharge structures established within the Premises. The unit also ensures no mix-up of process effluent / waste water with storm water. The unit maintains proper drainage system in coal storage area and ensures water drained from sprinkling & run-off is collected at a common tank and recused after screening through the coal slit. Photos of Storm Water Channel & Monitoring facilities to ensure storm water does not carry any process effluent / waste water mix as Annexure - 6
13.	Fly ash shall be utilized as per the fly ash utilization notification from time to time.	Complied. The unit disposes fly ash to the brick manufacturing units and the records of the maintained. Compliance to Fly ash Notifications S.O. 5481 (E) dt, 31.12.2021 and its amendments.
14.	Distillation residue/ spent carbon shall be sent for co-processing as per Hazardous waste authorisation. Used or spent oil / waste or residue	Complied. The Unit ensures disposal of Hazardous wastes Distillation residue / spent carbon for co-processing through

	containing oil shall be sent to authorised recyclers as per Hazardous waste authorisation.	hazardous waste pre-processing facilities and Used or spent oil / waste or residue containing oil to authorized recyclers as per the hazardous waste authorization obtained.
15.	Monitoring of compliance of EC conditions shall be submitted with third party audit every year.	Agreed to comply. The unit has committed to ensure compliance with Environmental Compliance (EC) standards by engaging external agencies for audit. The unit agree to submit the findings of the audit report as per the compliance conditions. This approach aims to maintain transparency and uphold regulatory requirements effectively.
16.	Provision of Safe drinking water supply, sanitation & medical facilities, promoting eco-friendly behaviour through use of Green Energy in schools etc. shall be done within the study area under the CER.	Complied. The unit had complied with CER activities on providing safe drinking water supply, sanitation & medical facilities, usage of green energy in schools. Photos of CER activities along with the budget amount spent enclosed as Annexure - 7
17.	A separate Environmental Management Cell (having qualified persons with Environmental Science/Environmental Engineering/ specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions. PP shall engage Senior Manager - Environment & Quality Assurance, Senior Executive Environment, Manager safety, safety engineer, Environment Lab Officer. In addition to this one safety & health officer as per the qualification given in Factories Act 1948 shall be engaged within a month of grant of EC. The PP should annually submit the audited	Partly Complied. The unit had established separate Environmental Management Cell as documented in the IMS Procedure Rev. Date : 31.03.2024 and laboratory facilities to carry out environmental monitoring. Wherever required the unit utilizes the services of NABL accredited laboratories. The unit shall ensure submission of amount spent towards engagement of qualified persons in EMC to MoEF&CC before 1 st July of every year.

	statement of amount spent towards the engagement of qualified persons in EMC along with details of person engaged to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during the previous year.	
18.	The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented. The budget proposed under EMP is ₹432 lakhs (Capital cost) and ₹681.97 lakhs (Recurring cost) shall be kept in separate account and should be audited annually. The PP should submit the annual audited statement along with proof of implementation of activities proposed under EMP duly supported by photographs (before & after with geo-location date & time) and other document as applicable to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during the previous year.	Complied. The Unit periodically ensures implementation of EMP Activities. All the recommendations made in the environmental management and risk mitigation measures implemented. The Unit maintains statement year wise details of expenditure for EMP. The cost associated with EMP are verified and certified during financial audits. The details of EMP recurring cost implementation of EMP duly supported with geotagging photograph enclosed as Annexure - 8
19.	The total water requirement of 1694 KLD, of which fresh water requirement is 1500 KLD shall be met from SIPCOT water supply. The PP should ensure that water supply should not be above the permissible limit as mentioned in the letter and fresh water shall be withdrawn only after obtaining valid agreement from Concerned Authority. The PP should submit the details of utilization to the Integrated Regional Office (IRO),	Complied. The Unit had made agreement with SIPCOT for supply of fresh water :1500 KLD Dt.05.09.2011. The fresh water being supplied by SIPCOT and the details of fresh water utilization for the period Jan'2024 - Dec'2024 enclosed as Annexure - 9 The unit ensures submission of the details of utilization to the IRO of MoEF&CC on yearly basis before 1 st July of the year.

	MoEF&CC before 1st July of every year for the activities carried out during the previous year.	
20.	No banned chemicals shall be manufactured by the PP. No banned raw materials shall be used in the unit. The PP shall adhere to the notifications/guidelines of the Government in this regard.	Agreed to Comply. The Unit has committed to refraining from manufacturing prohibited chemicals and using banned raw materials. It ensures compliance with government notifications and guidelines.
21.	The PP shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.	Partially Complied. The unit has developed a comprehensive action plan focused on carbon sequestration through renewable energy resources and the establishment of greenbelts. The Unit developed greenbelt with 12894nos of native trees species for carbon capturing within site and 2032 Nos in the project surroundings. The status of implementation for Carbon sequestration enclosed as Annexure - 10 Action plan shall be derived to ensure 100% carbon sequestration resources capable of capturing more than emitted.
22.	The project proponent shall comply with the environment norms for Organic Chemical Industry as notified by the Ministry of Environment, Forest and Climate Change, vide GSR 1241(E), dated 28.12.2018 under the provisions of the Environment (Protection) Rules, 1986.	Complied. The unit ensures compliance with the environment norms for Organic Chemical industry as notified vide GSR 1241 € dt.28.12.2018. The unit ensures ZLD. Compliance to GSR enclosed as Annexure - 14
23.	All necessary precautions shall be taken to avoid accidents and action plan shall be implemented for avoiding accidents. The PP shall implement the onsite/offsite emergency plan/mock drill etc. and mitigation measures as prescribed	Complied. The unit ensures adequate precautions and mitigation measures as prescribed under the rules and guidelines issued in the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, and

	under the rules and guidelines issued in the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, and the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996.	the Chemical Accidents (Emergency Planning, Preparedness and Response) Rule, 1996 and implemented onsite/offsite emergency plan / mock drill. Emergency Preparedness and Response Ref: EHS-OEP-TC-01 dt.18.06.2017 Frequency of mock drill: once in 6 months. Last mock drill done on 25.02.2025 records of actions maintained. The unit ensures periodic safety audits and the recommendations updated in the emergency preparedness and response plan.
24.	The volatile organic compounds (VOCs)/ Fugitive emissions shall be controlled at 99.97 % with effective chillers/modern technology. Regular monitoring of VOCs shall be carried out.	Complied. The unit has installed vent condensers for solvent storage tanks, utilizing chilled brine circulation to minimize solvent vapour loss. All solvents are managed in a closed loop system and transferred using mechanically sealed pumps. Solvent recovery system featuring primary, secondary and tertiary condensers implemented for efficient recovery and recycling. The unit conducts periodic VOC checks in the work place.
25.	The storage of toxic/hazardous raw material shall be bare minimum with respect to quantity and inventory. Quantity and days of storage shall be submitted to the Regional Office of Ministry and SPCB along with the compliance report.	Complied. The Unit established sufficient storage facilities for toxic and hazardous raw materials while maintaining a minimum inventory as outlined in the emergency preparedness and response procedures. The details of quantity and days of storage submitted to IRO of MoEF&CC and SPCB enclosed as Annexure - 11
26.	The occupational health centre for surveillance of the worker's health shall be set up. The health data shall be used in deploying the duties of the	Complied. The unit has set up an Occupational Health Center (OHC) on the premises, managed by a qualified medical

	workers. All workers & employees shall be provided with required safety kits/mask for personal protection.	practitioner with ALFH certification. Periodic health surveillance being conducted for employees and the records are maintained. The work assignments to the employees are adjusted based on health data to mitigate health risks. The unit ensures health monitoring to visitors / service providers and maintain records before entry in to the manufacturing units to prevent incidents. Additionally, the unit has implemented a PPE matrix for work zones, ensuring all employees receive the necessary personal protective equipment.
27.	Training shall be imparted to all employees on safety and health aspects for handling chemicals. Safety and visual reality training shall be provided to employees. Action plan for mitigation measures shall be properly implemented based on the safety and risk assessment studies.	Complied. The unit provides regular training for all employees on safety and health practices related to chemical handling. Visual displays of Do's and Don'ts are strategically placed throughout the facility. Additionally, the unit conducts periodic Hazard Identification and Risk Assessment (HIRA) and implements safety and mitigation measures to minimize risks and enhance safety within the plant
28.	The unit shall make the arrangement for the protection of possible fire hazards during manufacturing process in material handling. Fire-fighting system shall be as per the norms.	Complied. The Unit had established adequate protection measures for fire hazard in manufacturing and material handling areas. Fire license obtained from DFRS vide ref: 437/2024 Valid up to 2025. The unit maintain list of ERT members and list of First Aid Trained persons for emergency response. Details of Fire safety system enclosed as Annexure - 12
29.	The solvent management shall be carried out as follows: (a) Reactor shall be connected to chilled brine condenser system. (b) Reactor and solvent handling pump shall have	Complied. The unit has established Solvent Management for existing process operations.

	mechanical seals to prevent leakages. (c) Solvents shall be stored in a separate space specified with all safety measures. (d) Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done. (e) Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses. (f) All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation.	(a) All recovery Reactors were connected to chilled brine condenser system. (b) All Reactor and solvent handling pumps having mechanical seals to prevent leakages. (c) All Solvents are storing in a separate space specified with all safety measures with lock and key system. (d) Double earthing provided in all electrical equipment's wherever handling of solvents. (e) Flame proof equipment provided in plant area and The solvent storage tanks provided with breather valve to prevent losses. (f) All the solvent storage tanks connected with vent condensers with chilled brine circulation for VOC emission control. Photos of Solvent Management enclosed as Annexure - 13
30.	The volatile organic compounds (VOCs)/Fugitive emissions shall be controlled at 99.97 % with effective chillers/modern technology. Regular monitoring of VOCs shall be carried out.	Complied. The Unit ensures periodical monitoring of Ambient Air Quality & VOC and the results are well within the standards prescribed by the Board.
31.	The PP shall undertake waste minimization measures as below (a) Metering and control of quantities of active ingredients to minimize waste; (b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. (c) Use of automated filling to minimize spillage. (d) Use of Close Feed system into batch reactors. (e) Venting equipment through vapour recovery system. (f) Use of high pressure-hoses for	Agreed & Complied. The Unit ensures and monitors waste minimization measures through implementation of the following. (a) Standard and measured quantity of raw materials for manufacture process, measures for yield improvements by reducing wastes (b) Online weighing balance for filling products implemented to minimize spillage. (c) Adopted Close Feed system for batch reactors.

	equipment cleaning to reduce wastewater generation.	(d) Venting equipment through vapour recovery system implemented. (e) High pressure hoses and spray balls for equipment cleaning done to reduce waste water generation.
32.	The activities and the action plan proposed by the project proponent to address the issues raised during the public hearing as well as the related socio-economic issues in the study area shall be completed as per the schedule presented before the Committee and as described in the EIA report in letter and spirit.	Not Applicable. The unit ensures CSR activities being carried out related to socio-economic issues in the surrounding villages of the project.

B. General Conditions:

S. No	Condition	Compliance
1.	No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Agreed. The unit agreed to comply for No expansion or modifications other than mentioned in the EIA notification 2006 and its amendments without prior approval of the Ministry of Environment, Forest and Climate Change.
2.	The Project proponent shall strictly comply with the rules and guidelines issued under the Manufacture, Storage and Import of Hazardous	Complied. The unit ensures strict adherence with the rules and guidelines under Manufacture, Storage and Import of

	Chemicals (MSIHC) Rules, 1989, as amended time to time, the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996, and Hazardous and Other Wastes (Management and Trans Boundary Movement) Rules, 2016 and other rules notified under various Acts.	Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. The unit obtained PESO Licence for Storage of Hazardous chemicals such as Iso butylene, Hexane, Benzene, etc. PESO Licence No: P/HO/TN/15/947(P14661) valid till 31.12.2027 Class - A PESO Licence No: P/HQ/TN/15/899(P14370) valid till 31.12.2027 Class B & C Transporting of Hazardous Chemicals as per the Motor Vehicle Act, 1989. Monitoring system for Hazardous chemicals transportation through Nycer Globe (GPS system) by Indian Chemical Council.
3.	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.	Partly Complied. The unit had partly replaced existing lights with LED based lights within the facility to promote energy conservation. The unit had established Comprehensive Action Plan to replace all the CFL into LED based lights to conserve energy.
4.	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Complied. The Unit periodically ensures and monitors ambient noise levels well within the prescribed limits of 75 dBA (day time) and 70 dBA (night time). Adequate noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.
5.	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. The activities	Complied. The unit periodically engages local communities and obtain their concerns and suggestions. The

	shall be undertaken by involving local villages and administration. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	feedback reviewed during management reviews and implementation of the same is ensured through administration department. The unit promotes eco-development through community welfare initiatives, allocating sufficient budget from CSR/CER funds and involving local villages and administration in their implementation. It has installed a water sprinkler system for greenbelt development on-site and a drip irrigation system in the greenbelt area to conserve water. In the previous financial year (2023-2024), the unit invested in Rejuvenation of Water bodies (Krishnakuppam Panchayat), Tree Plantation & Maintenance, Providing Health needs for the rural community nearby 4 villages.
6.	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/pollution control measures shall not be diverted for any other purpose.	Agreed & Complied. The unit ensures that funds designated for environmental management and pollution control measures are not diverted for other purposes. The costs associated with the Environmental Management Plan (EMP) are reported to the Ministry during the six-monthly compliance report submission.
7.	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/representations, if any, were	Complied. The Unit submitted a copy of the clearance letter to concerned Panchayat, Urban local Body and the local NGO, Help Age India Dt. 02.12.2022 acknowledgement obtained & maintained.

	received while processing the proposal.	
8.	The project proponent shall also upload/submit six monthly reports on PARIVESH Portal on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data to the respective Integrated Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.	Complied. The unit submits six monthly reports on compliance with Environmental Clearance conditions, including monitored data. Copies of the compliance reports are sent in both hard copy and via email to the respective Regional Office of MoEF&CC, as well as to the appropriate Zonal Office of CPCB and SPCB. The unit uploaded the six monthly compliance on Parivesh portal on compliance with Environmental Conditions Last submission Ref : 03.12.2024.
9.	The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Integrated Regional Office of MoEF&CC by e-mail.	Complied The unit ensures submission of the environmental statement for each financial year ending 31st March in Form-V to the State Pollution Control Board. Last submission ref : 28.06.2024 The unit displayed the copy of environmental statement and status of compliance of environmental clearance conditions on the website of the company The copy of the same sent to the Regional Offices of MoEF&CC by post & e-Mail.
10.	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry and at https://parivesh.nic.in/ . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one	Complied. The unit had published advertisement in two local newspapers namely Daily Thanthi Dt. 03.12.2022 and The Hindu Dt.03.12.2022 in vernacular language of the locality to the public about the accordance of environmental clearance by MoEF&CC for the Expansion of the project. Copy of the same submitted to the Regional office of the Ministry.

	shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	
11.	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Complied. The unit had submitted the details of financial closure and final approval of the project by concerned authorities, date of start of the project 30.10.2024 to the Regional Office and the Ministry.
12.	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.	Agreed. The unit agreed to comply.
13.	The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.	Agreed The unit agreed to comply.
14.	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.	Agreed. The unit agreed to ensure compliance of all the stipulated conditions of the Environmental Clearance obtained.
15.	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of	Noted.

	the National Green Tribunal Act, 2010.	
16.	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.	Agreed.

Summary of Findings & Recommendations.

The Environmental Clearance Conditions Compliance Audit conducted at the industry premises on 25th of February 2025, through site visits, by reviewing the documents related to Production, Raw Materials handling. Waste Analysis / Emission monitoring reports. Discussion with departments to collect information's on Environmental Clearance conditions. List of Annexures enclosed as documentary evidences implemented in the project. Details of Annexures provided as follows.

3. LIST OF ANNEXURES

Annexure No	Description
1	Details of Stacks & Monitoring Reports
2	Details of Online Connectivity - OCEMS
3	Photos of Emission Control Measures & Silo for Ash handling.
4	Photos of Greenbelt Development within the Site
5	Photos of Web Camera & Flow Meters in Channel carrying effluent
6	Photos of Storm Water Channel & Monitoring of Storm water Quality

7	Details of CER Activities
8	Details of EMP Statement
9	Fresh Water Supply Agreement - SIPCOT & Water Utilization
10	Comprehensive Action Plan for Carbon Sequestration
11	Details of Toxic / Hazardous Raw Material Inventory
12	Details of Fire Safety System
13	Details of Solvent Management Controls
14	GSR 1241 Compliance

Based on the findings during the visit and compliance verifications, the following recommendations shall be implemented as mentioned below.

1. The unit shall ensure submission of amount spent towards engagement of qualified persons in EMC to MoEF&CC before 1st July every year.
2. The Unit has documented the action plan for replacement of LED lights status of the replaced LED shall be recorded to improve on energy conservation and sustainable practices.
3. The unit shall ensure implementation of biomass as primary fuel for boiler during changeover of existing boiler.
4. The unit Provided documented action plan for carbon sequestration. Status of Carbon emission vs carbon sequestration in the form of Plan Vs Actual achieved data shall be documented and monitored.
5. Emergency Preparedness and Response plan shall be reviewed at defined frequency based on the recent scenarios of the plant operations.

Signature:



Dr. D. Jestin Roy
Director
RedSea Eco Solutions & Instruments (P) Ltd.
Chennai - 600037

Dr. D. Jestin Roy, Ph.D
NABET Approved EIA Coordinator
NABET/EIA/2326/IA 0120
Redsea Eco Solutions and Instruments Private Limited
Plot No.81, Mogappair Industrial Estate, 5th Street,
Reddyvelayam Road, Mogappair West, Chennai - 600037.

Annexure - 1

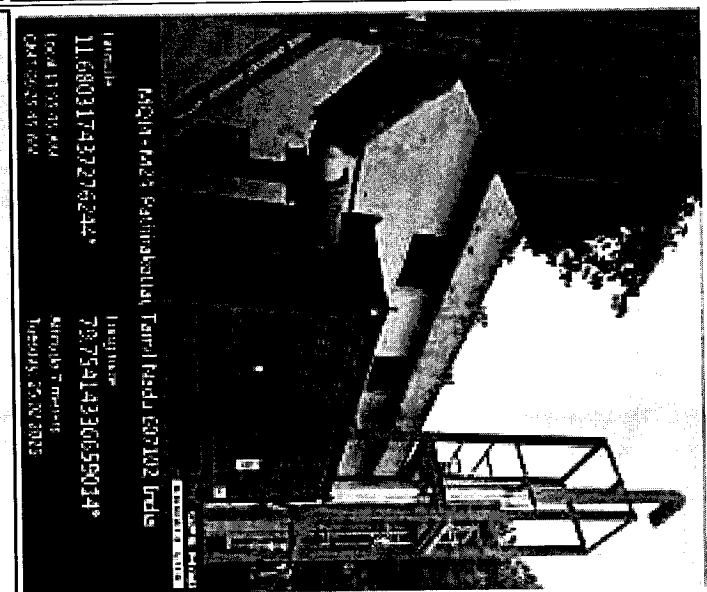
Details of Stacks and APC Measures

S. No	Stack Description	APC Measures	Stack Height (m)
Captive Power Plant			
1	Boiler 16TPH	Multi Cyclone Separator and bag filters followed by Stack	42
2	Boiler 14 TPH	Multi Cyclone Separator and bag filters followed by Stack	50
3	Coal Crusher	Bag Filters with Stack	5
Fugitive Emissions			
1	Fly Ash Silo	Bag Filters	-
2	Coal Conveyor	Covered Conveyors	-
Process Plant			
1	Sodium Formate Dryer	Wet Scrubber with Stack	18
2	Mono Pentaerythritol Dryer	Wet Scrubber with Stack	12
3	Mono Pentaerythritol Dryer	Wet Scrubber with Stack	12
4	DI PE Dryer	Wet Scrubber with Stack	18
5	Fluidized Bed Dryer	Bag Filter , Dust Collector with Stack	10.5
6	DG Set 500 KVA	Acoustic enclosures with stack and retrofit emission control device	12
7	DG Set 600 KVA	Acoustic enclosures with stack and retrofit emission control device	12
8	Five Effect Evaporator ejector vent	Stack	13.8
9	Crude Vacuum Crystallizer Vent -1	Stack	13.8
10	Crude Vacuum Crystallizer Vent -2	Stack	13.85
11	Double Effect Evaporator Ejector Vent	Stack	13.9
12	Sodium Formate Crystallizer ejector vent	Stack	15.3
13	Pure Vacuum Crystallizer ejector vent	Stack	13.8
14	Formaldehyde plant Distillation column eject Vent	Stack	14.5
15	Tank No. T 148-1 Vent	Stack	11.8
16	Tank No. T 148-2 Vent	Stack	11.8
Fugitive Emissions			
1	VOC Emissions	Tank Vents connected to FA blower suction	-



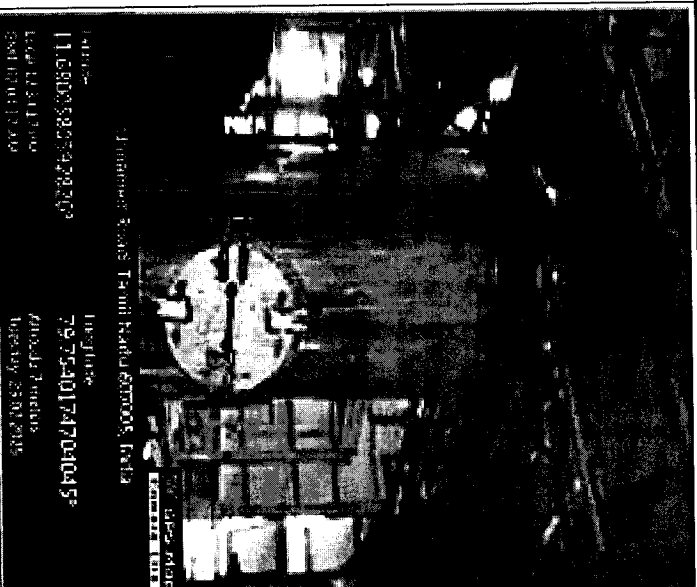
Longitude: 11.6759361333340035°
Latitude: 79.75435777567327°
Elevation: 113.11721
Elevation: 75.027005

Boiler Stack



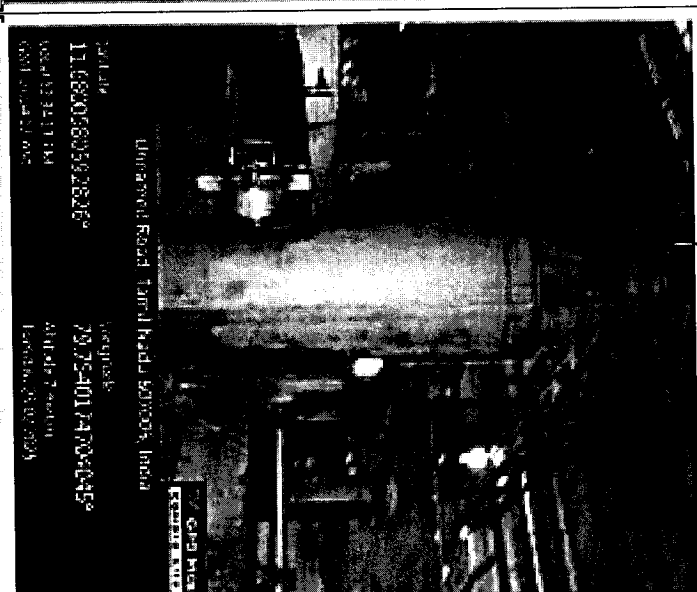
Longitude: 11.68031743727624°
Latitude: 79.75414330659034°
Elevation: 113.11721
Elevation: 75.027005

DG Stack



Longitude: 11.6803583592826°
Latitude: 79.7540174704045°
Elevation: 113.11721
Elevation: 75.027005

MONO Scrubber



Longitude: 11.6803583592826°
Latitude: 79.7540174704045°
Elevation: 113.11721
Elevation: 75.027005

DIPE Scrubber

Details of Stack Emissions Monitoring results

S.No	Description of Stack	Parameters	Period July'24 - Dec'24					
			Report Ref: June 2024	Report Ref: August 2024	Report Ref: September 2024	Report Ref: October 2024	Report Ref: December 2024	Report Ref: January 2025
1	Boiler 16 TPH	PM	20	27.3	28.4	31.8	26.7	28.6
		SOx	545	26.7	31.4	28.9	26.4	26.7
		NOx	266	263	295	178	293	256
2	Boiler 14 TPH	PM	The 14 TPH boiler has been idle for an extended period and is currently not in operation. As a result, no stack analysis report has been conducted					
		SOx						
		NOx						

VOC Monitoring

S.No	Process Plant	Location	Period July'24 - Dec'24					
			Report Ref: June 2024	Report Ref: August 2024	Report Ref: September 2024	Report Ref: October 2024	Report Ref: December 2024	Report Ref: January 2025
1	Di-Penta	Di dryer	Methanol - BLQ Acetaldehyde - BLQ Formaldehyde - BLQ	Methanol - BLQ Acetaldehyde - BLQ Formaldehyde - BLQ	Methanol - BLQ Acetaldehyde - BLQ Formaldehyde - BLQ	Methanol - BLQ Acetaldehyde - BLQ Formaldehyde - BLQ	Methanol - BLQ Acetaldehyde - BLQ Formaldehyde - BLQ	Methanol - BLQ Acetaldehyde - BLQ Formaldehyde - BLQ
2	Sodium Formate	Sodium Formate Dryer	Methanol - BLQ Acetaldehyde - BLQ Formaldehyde - BLQ	Methanol - BLQ Acetaldehyde - BLQ Formaldehyde - BLQ	Methanol - BLQ Acetaldehyde - BLQ Formaldehyde - BLQ	Methanol - BLQ Acetaldehyde - BLQ Formaldehyde - BLQ	Methanol - BLQ Acetaldehyde - BLQ Formaldehyde - BLQ	Methanol - BLQ Acetaldehyde - BLQ Formaldehyde - BLQ
3	Mono-Penta	Mono Dryer	Methanol - BLQ	Methanol - BLQ	Methanol - BLQ	Methanol - BLQ	Methanol - BLQ	Methanol - BLQ

			Acetaldehyde - BLQ Formaldehyde - BLQ	Acetaldehyde - BLQ Formaldehyde - BLQ	Acetaldehyde - BLQ Formaldehyde - BLQ	Acetaldehyde - BLQ Formaldehyde - BLQ	Acetaldehyde - BLQ Formaldehyde - BLQ	Acetaldehyde - BLQ Formaldehyde - BLQ
4	Tech- Penta	Fluidized bed dryer	Methanol - BLQ Acetaldehyde - BLQ Formaldehyde - BLQ	BLQ Acetaldehyde - BLQ Formaldehyde - BLQ	Methanol - BLQ Acetaldehyde - BLQ Formaldehyde - BLQ	Methanol - BLQ Acetaldehyde - BLQ Formaldehyde - BLQ	Methanol - BLQ Acetaldehyde - BLQ Formaldehyde - BLQ	Methanol - BLQ Acetaldehyde - BLQ Formaldehyde - BLQ

Annexure - 2

Online Connectivity - OCEMS

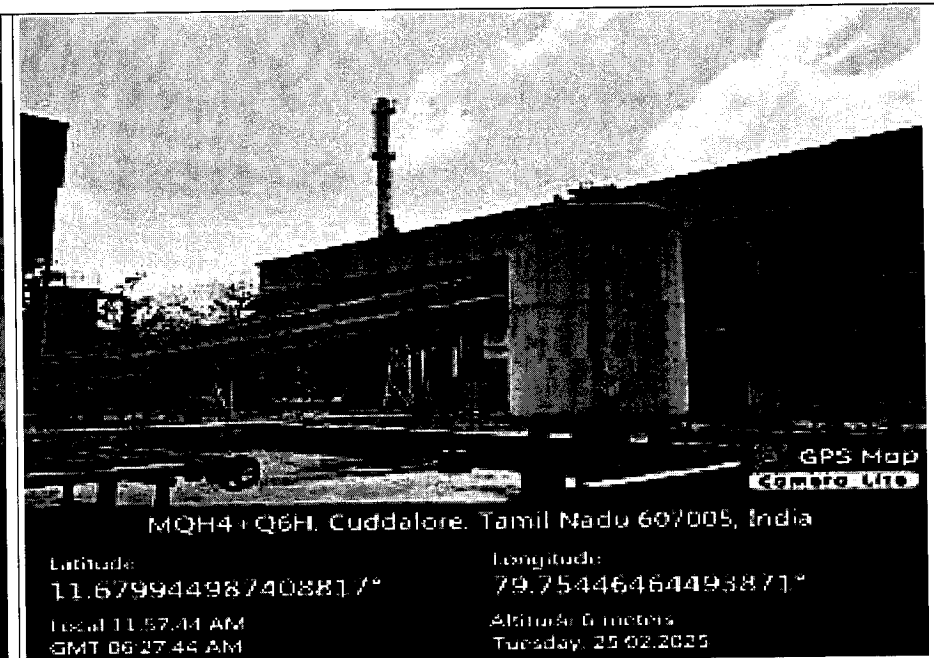
Station Name	Type of Monitoring System	Process attached	Parameter monitored	Device Make	Device Model & Serial no.	Device Vendor	Last Calibrated on
AIR							
Boiler - 16 TPH	Emission	Boiler	SPM, So2, Nox	M/s. Forbes Marshall Pvt. Ltd.	GCEM40XX series - For SO2 & NOx & DCEM2100XX - for SPM	M/s. ENVEA India Pvt. Ltd.	NA
Boiler - 14 TPH	Emission	Boiler	SPM, So2, Nox	M/s. Forbes Marshall Pvt. Ltd.	GCEM40XX series - For SO2 & NOx & DCEM2100XX - for SPM	M/s. ENVEA India Pvt. Ltd.	NA
EFFLUENT - NA							
Sewage - NA							

Annexure - 3

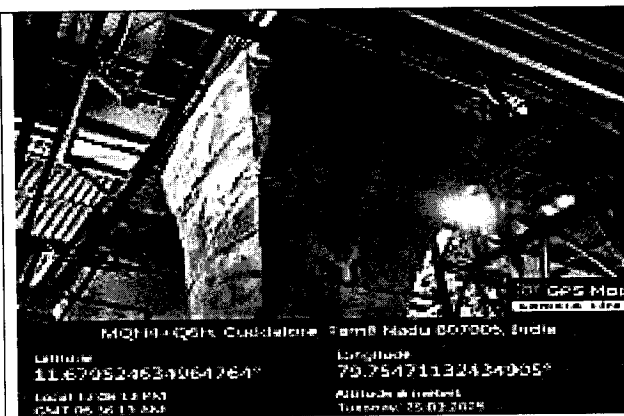
Photos of fugitive emission control measures



TPP Operation control 'PLC system



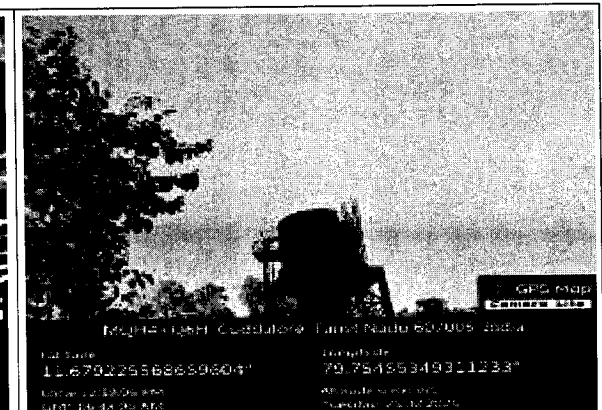
Covered Conveyor system



Cyclone separator



Back filter



Fly Ash silo

Annexure - 4

Details of Green Belt Development.

Plot Area: 118173.0 Sq.m

Greenbelt Within Site: 47269.0 Sq.m (40 %)

Greenbelt in Avenue Plantation: 8034.0 Sq.m (2032 Nos. Upto Feb'25)

Details of Tree species (Within Site)

Tree varieties inside & outside the premises	
S. No	Common Name
1	Almond
2	Arjun Tree
3	Ashoka
4	Banyan Tree
5	Black Plum
6	Cashew tree
7	Casual Fruit
8	Chinese hibiscus
9	Coconut Tree
10	Crepe Jasmine
11	Drumstick Tree
12	Eucalyptus
13	Golden shower
14	Indian ash tree
15	Indian Beech
16	Indian cork tree
17	Indian date
18	Indian Mulberry
19	Jackfruit Tree
20	Jungle geranium
21	Lemon
22	Mahogany
24	Mahua
25	Mango
26	Neem
27	Papaya
28	Portia
29	Rain tree
30	Royal Palm
31	Sacred fig
32	Sandal Tree
33	Spanish cherry
34	Subabul
35	Tamarind
36	Teak
37	Weeping Fig
Total	12894 Nos.

Greenbelt Photos within site & Surroundings



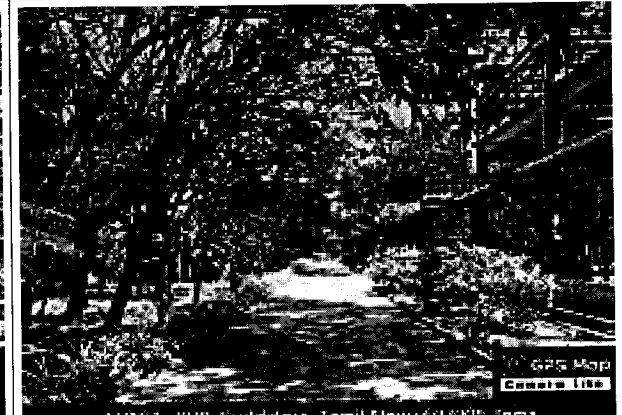
MQ12 + WQX, Cuddalore, Tamil Nadu 607001, India

Latitude	Longitude
11.680868547403773°	79.75266203284264°
Local 17:48:49 PM	Altitude 5 meters
GMT 07:18:19 AM	Tuesday, 25-02-2025



East Coast Rd, Tamil Nadu 607005, India

Latitude	Longitude
11.680001112052454°	79.75255692377687°
Local 12:20:00 PM	Altitude 5 meters
GMT 07:09:30 AM	Tuesday, 25-02-2025



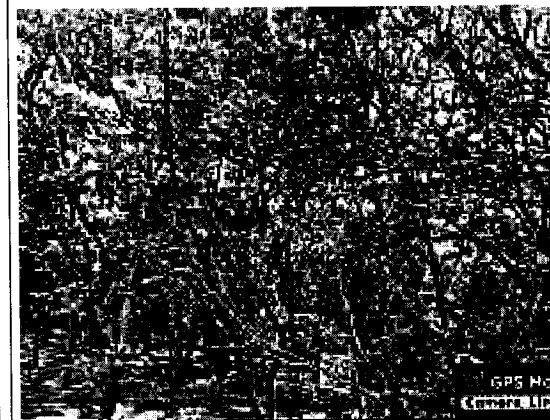
MQ13 + XVP, Cuddalore, Tamil Nadu 607001, India

Latitude	Longitude
11.678351378068328°	79.75388000719249°
Local 12:25:24 PM	Altitude 5 meters
GMT 06:50:14 AM	Tuesday, 25-02-2025



MQ12 + WQX, Cuddalore, Tamil Nadu 607001, India

Latitude	Longitude
11.680892896838486°	79.752638479889472°
Local 12:48:47 PM	Altitude 5 meters
GMT 07:18:47 AM	Tuesday, 25-02-2025



MQ12 + QF5, Cuddalore, Tamil Nadu 607005, India

Latitude	Longitude
11.680673081427813°	79.75184915587306°
Local 12:42:57 PM	Altitude 5 meters
GMT 07:12:52 AM	Tuesday, 25-02-2025



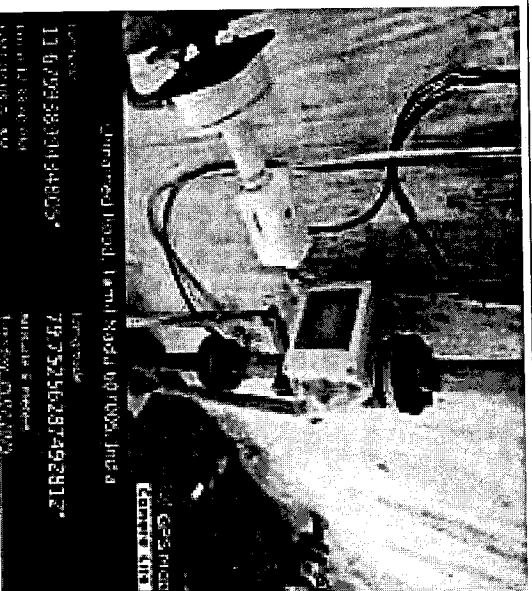
MQ12 + QF5, Cuddalore, Tamil Nadu 607005, India

Latitude	Longitude
11.680944900366697°	79.75203758105656°
Local 12:51:37 PM	Altitude 5 meters
GMT 07:14:37 AM	Tuesday, 25-02-2025

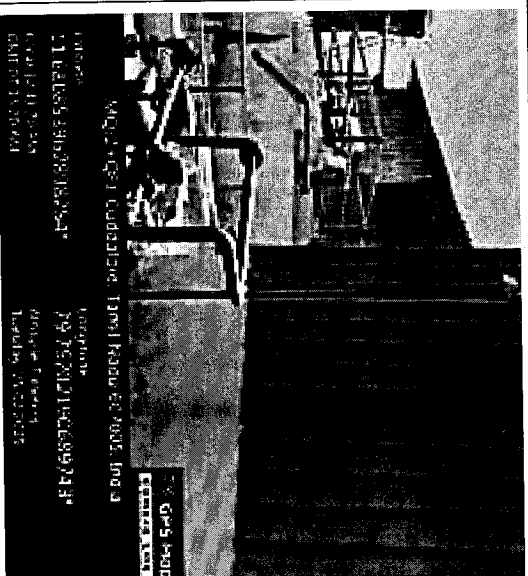
Greenbelt Coordinates Site:

S. No	Latitude	Longitude
1	11°40'52.39"N	79°45'5.00"E
2	11°40'44.76"N	79°45'2.89"E
3	11°40'41.56"N	79°45'13.07"E
4	11°40'44.03"N	79°45'13.96"E
5	11°40'44.46"N	79°45'12.68"E
6	11°40'45.39"N	79°45'12.78"E
7	11°40'45.73"N	79°45'12.06"E
8	11°40'44.75"N	79°45'11.66"E
9	11°40'45.17"N	79°45'9.94"E
10	11°40'50.04"N	79°45'11.22"E
11	11°40'52.50"N	79°45'5.85"E
12	11°40'51.77"N	79°45'11.13"E
13	11°40'50.54"N	79°45'15.68"E
14	11°40'49.01"N	79°45'19.21"E
15	11°40'48.30"N	79°45'18.93"E
16	11°40'48.91"N	79°45'16.81"E
17	11°40'46.13"N	79°45'15.63"E
18	11°40'47.17"N	79°45'15.21"E
19	11°40'45.13"N	79°45'14.88"E
20	11°40'43.16"N	79°45'15.04"E
21	11°40'44.31"N	79°45'16.29"E
22	11°40'41.62"N	79°45'13.55"E
23	11°40'41.78"N	79°45'13.48"E

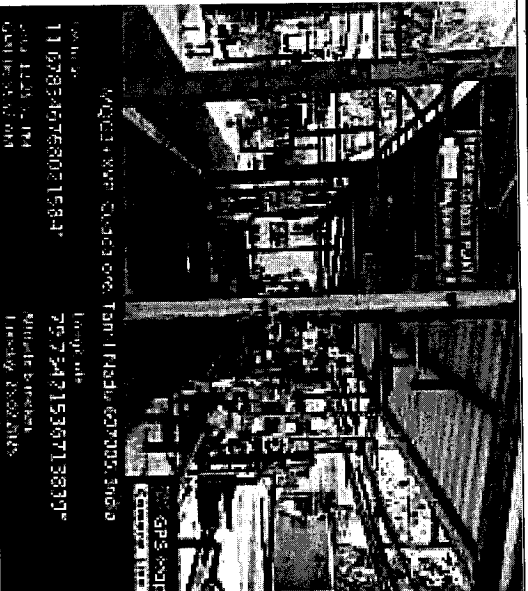
Photos of Web camera & Flow Meters



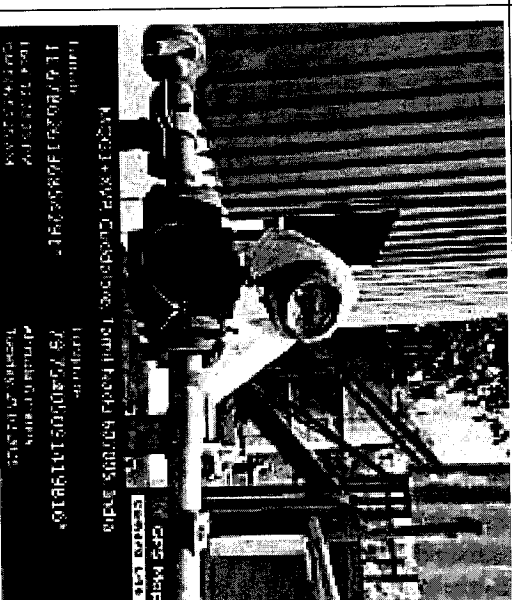
Web Camera



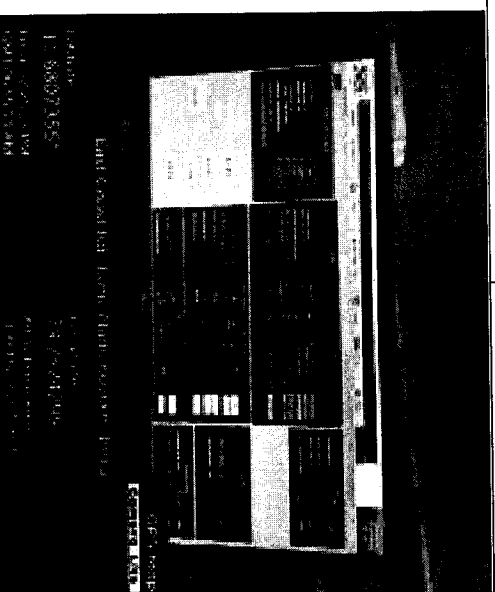
Web Camera



Flow Meter RO Plant



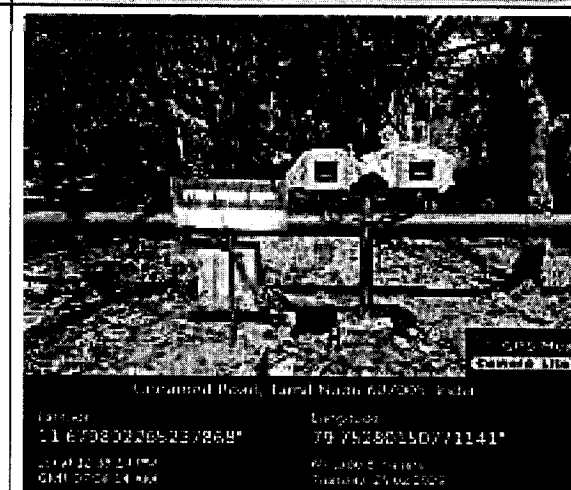
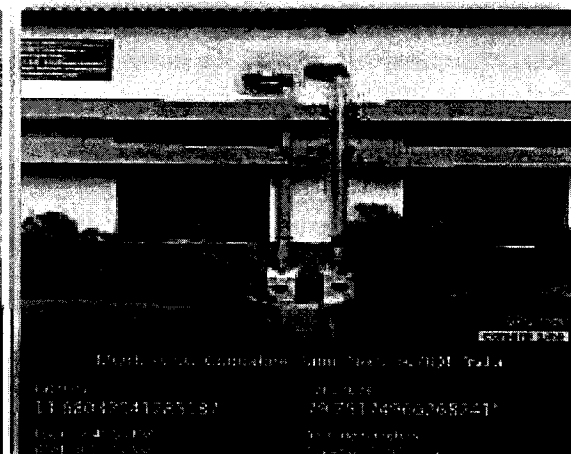
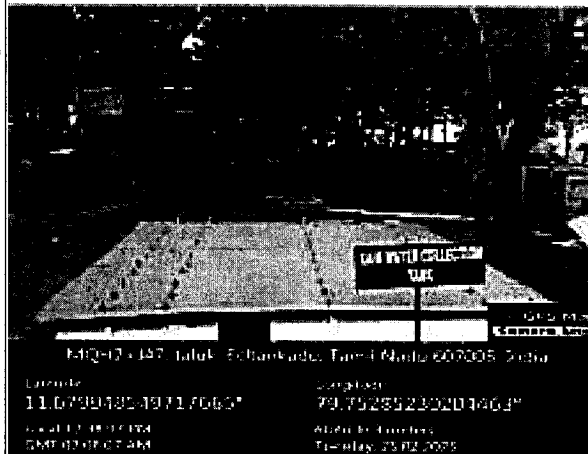
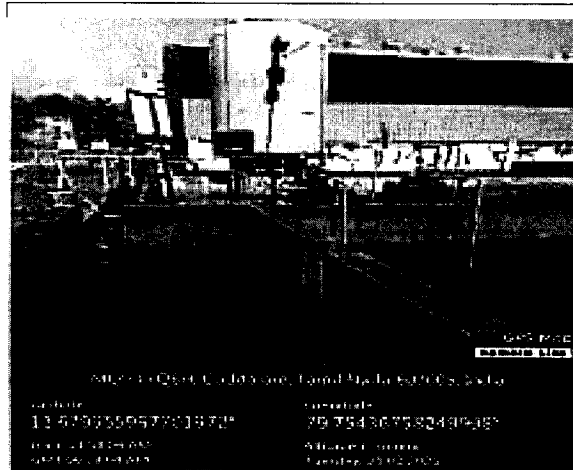
Effluent Flow



Effluent Flow Monitoring

Annexure - 6

Details of Storm / Rain Water Structures within site.



Annexure IX

CSR Details for FY 2023-24

**Corporate Social
Responsibility (CSR)
Highlights
FY 23-24**

CSR Spent

S. No	Project	Theme	Partner	Annual Expenses (Rs. Lakhs)
1	Primary Health Centers at 4 Villages	(Health & Hygiene) H&H	Help Age India	20
Sub-Total				20
2	Rejuvenation of Water Bodies (Krishnankuppam Panchayat)	Water	NAF	59.19
3	Tree plantation	Water	NAF	4.7
4	Tree plantation – Maintenance	Water	NAF	4.7
Sub-Total (Water Conservation)				68.59
Grand Total (Health & Hygiene +Water)				88.59

Asian Paints CSR Impact within the radius of 20km from the plant

Water Project:

1. RWB of water body (Krishnankuppam)

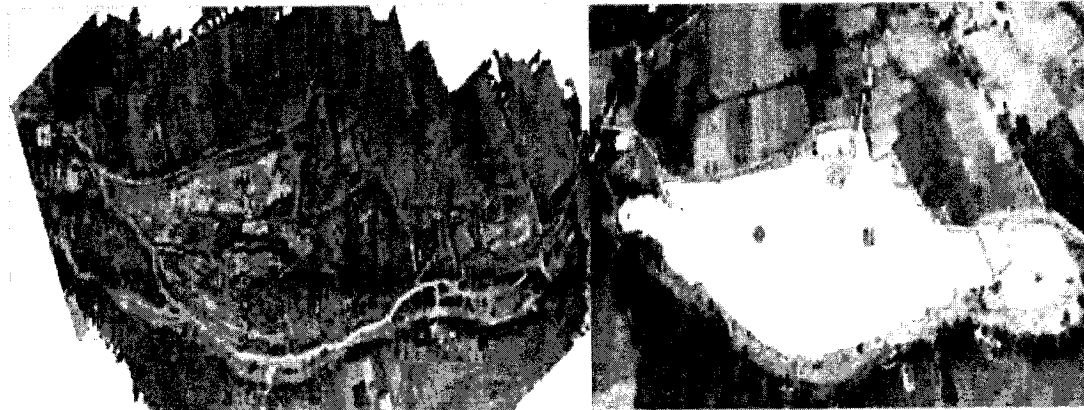
Health and Hygiene

1. Health center in 4 villages
 1. Kudikadu
 2. Karikadu
 3. Echankadu
 4. Pachayankuppam

Total Budget – Rs 88.6 lakhs

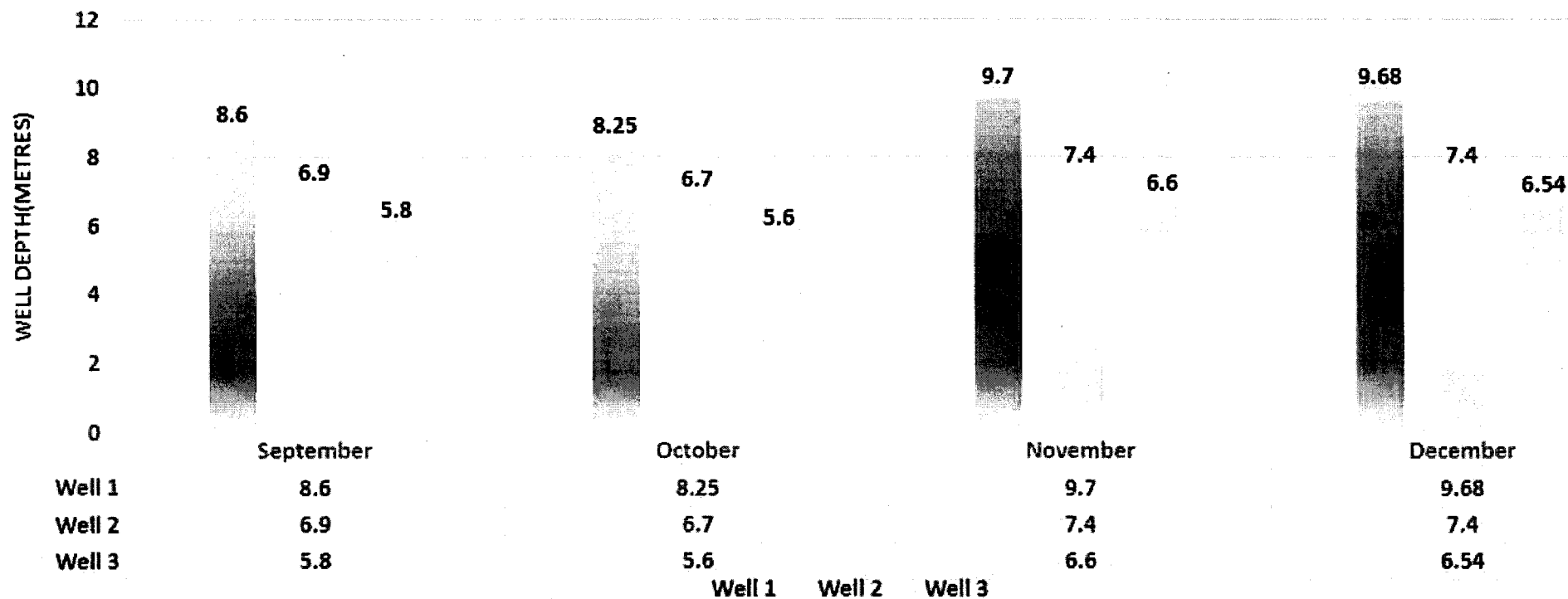
REJUVENATION OF KRISHNANKUPPAM WATER BODIES

- Increase in Water-holding capacity of waterbody and feeder channel
- Increasing the Groundwater recharge through desilting and reducing the desilting rate inside waterbody
- Improving the Green cover biodiversity enhancement through beneficial Agro- forestry plants in shoring area of waterbody



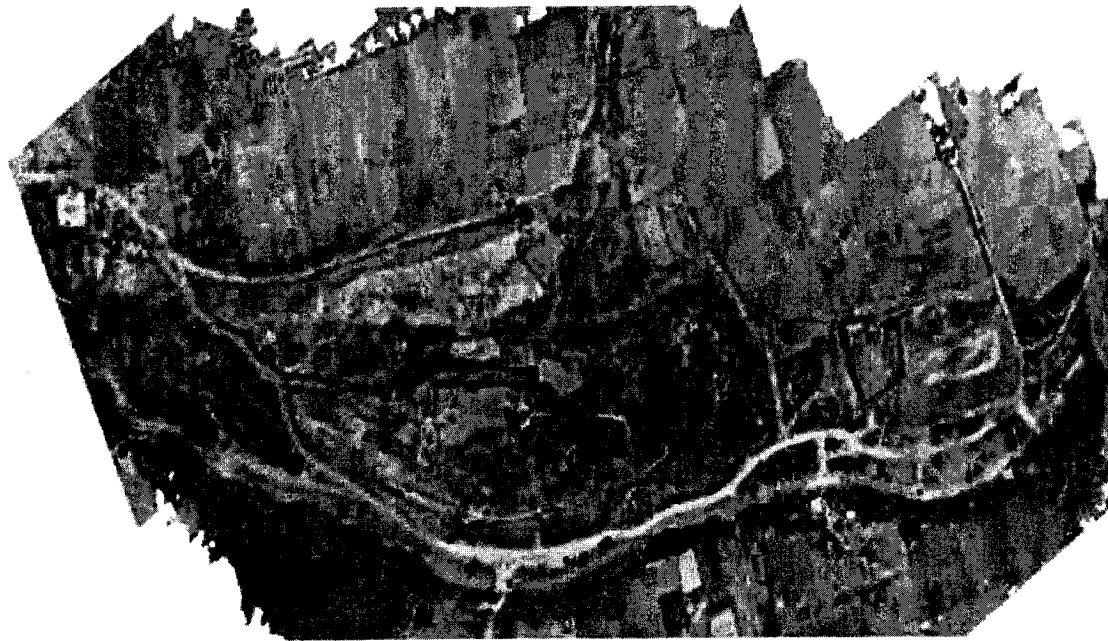
Well inventory- KPI- Outcome - Krishnankuppam

OBSERVATORY WELL INVENTORY DETAILS

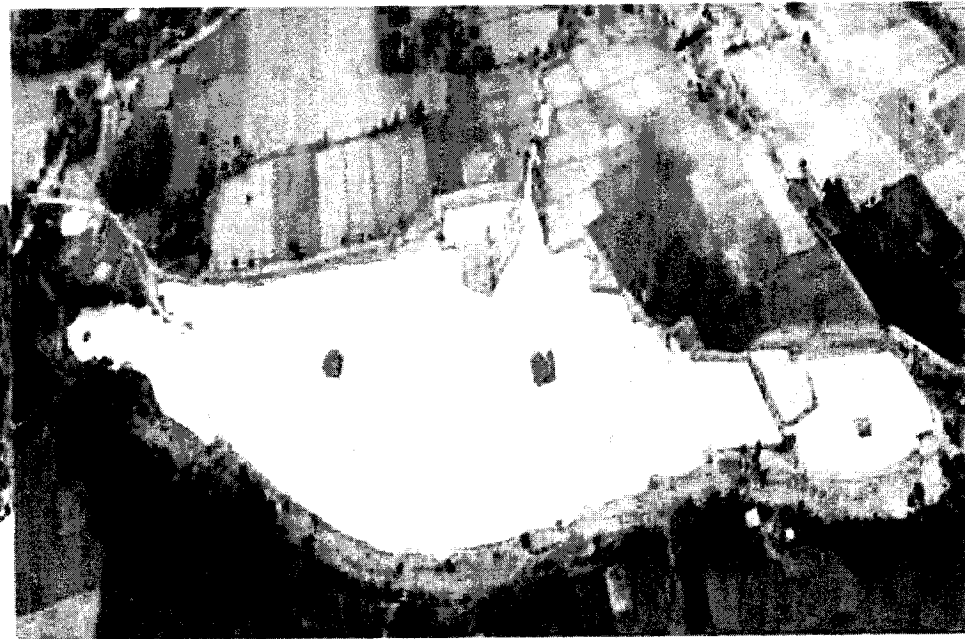


Overall Status of interventions in Water

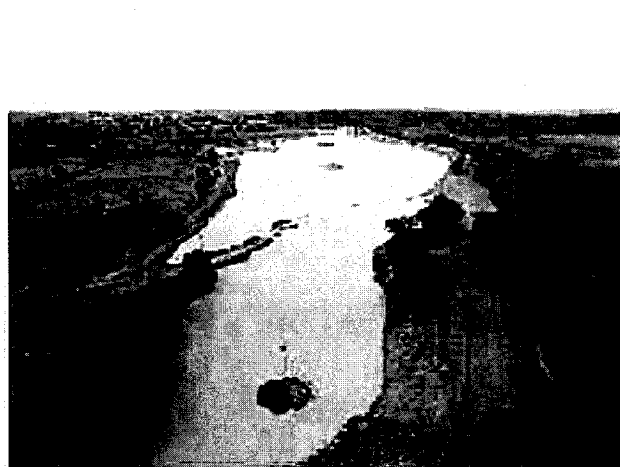
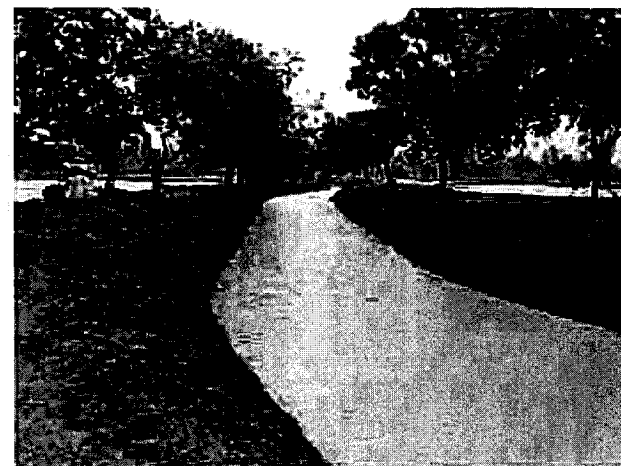
BEFORE



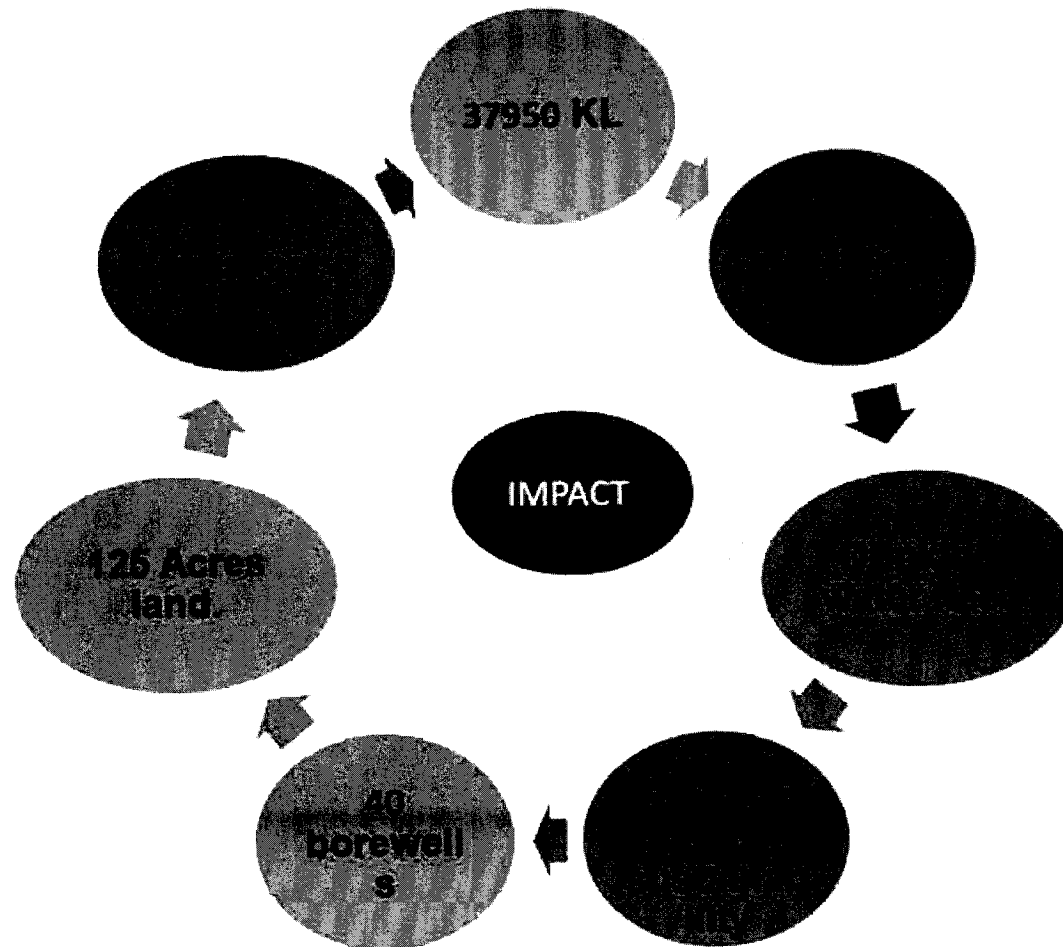
AFTER



Waterfilled- Aerial photographs- Krishnankuppam Manakollai waterbody



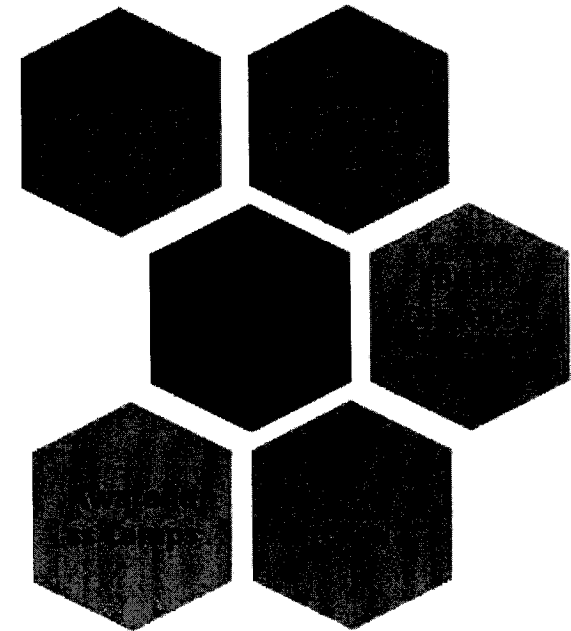
Impact Created in the Community



HEALTH AND HYGIENE

Brief Overview of the Projects – 2023-24

Objectives	• Providing access to Health needs for the rural community
Budget	• Rs 17.75 lakhs Per Annum.
Villages	• Kudikadu Village, Karaikadu Village, Pachankuppam Village and Echankadu Village.
Population	• Total Treatment 18626
Visits	• 3 Visits in a Week and 13 Visits in a Month for each Village.



MHU budget vs expenditure

Total year budget
Rs. 17.75 Lakhs

Proposal to utilize balance fund

- Identified upgradation activity of Health center to uplift the hygiene and patient experience(infrastructure related)

Awareness Sessions on Malnutrition

- Covered undernutrition , overweight and obesity, as well as diet-related noncommunicable diseases.
- Our Medical Consultant used to visit 100 days work – MGNREGA and make awareness talk on Malnutrition.
- Conducted 79 awareness sessions :18 awareness session on malnutrition of Women.





AWARENESS SESSION IN EACHANKADU VILLAGE

**Mr. Rajendra Babu – AGM
participated and delivered
speech at Eachankadu
Village People on
awareness camp**





Case Study

Mr. VIJAYABALAN 55/M In Eachankadu village is a Daily wager by Occupation. His wife passed away 5 years back and has two Sons. He is living alone.

Medical Complaints :

- He is suffering from **ACUTE GASTRITIS** with Constipation for 5 years.
- Having complaints of **CHEST BURN, STOMACH PAIN, BLOATING, NAUSEA, VOMITING, LOSS OF APPETITE.**

IMPACT

- Mr. Vijayabalan was introduced to our **HEALTH CENTER** by **Volunteer**. By regular follow-up his health condition is improving.
- Lifestyle and diet Modification is suggested, and regular follow-up is carried out during home care.
- He is very thankful to **ASIAN PAINTS AND HELP AGE INDIA** for Implementation of this Project.

Employee Volunteering Program

S. No	Programme	No. of program	No. of Participants	Manhours covered
1	Health Awareness	1	10	40
2	Environmental awareness	4	32	256
	Total	5	42	296

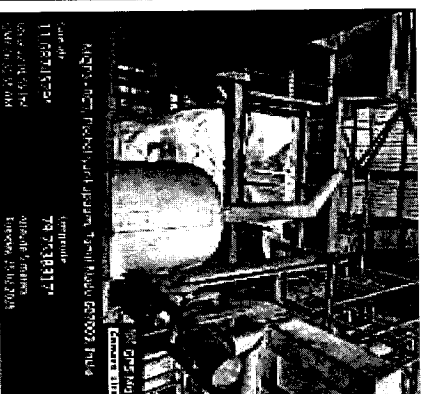
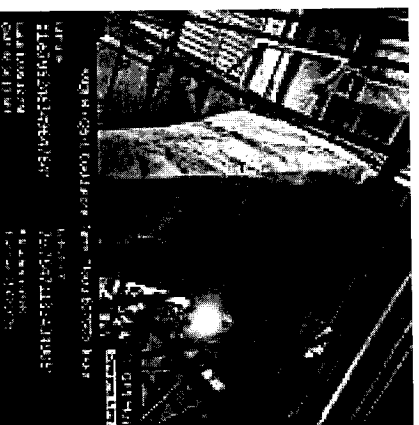
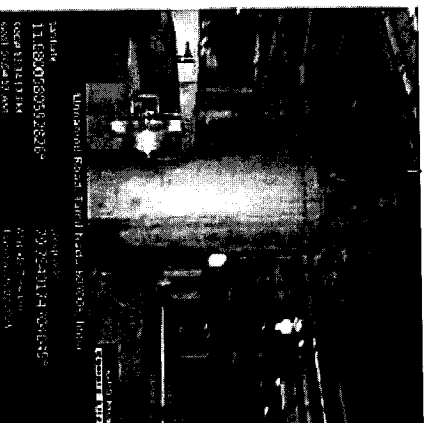
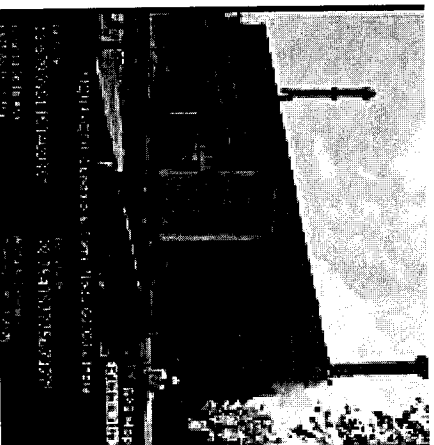


Annexure - 8

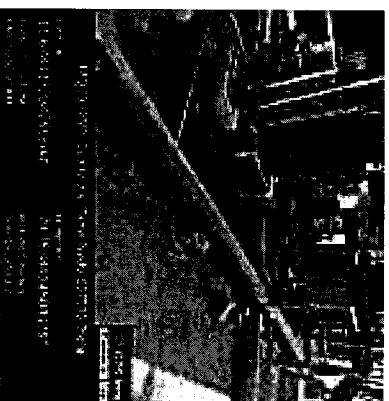
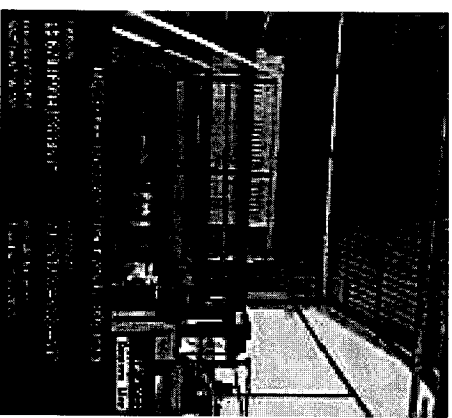
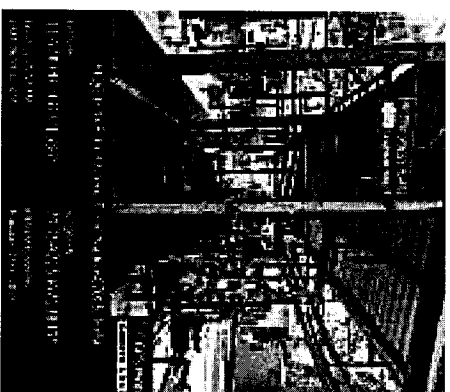
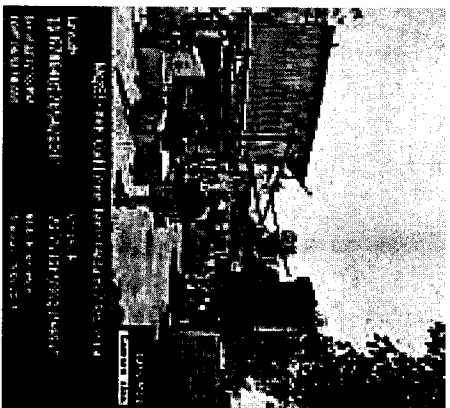
Details of EMP Spent for the Project Activities

S. No	Description	Capital Cost (Lacs)	Recurring Cost / Annum (Lacs)	Amount Spent		Remarks
				2022-2023	2023-2024	
1	Waste Water Effluent Management	85	110	64.55	81.68	Currently the Project is Partly in Operation. CTO for Phase-I obtained.
	STP / ETP	0	5.1	0.29	0.36	
	Water Quality Monitoring	0	6.0	6.16	4.44	
	Maintenance Cost	0	5.0	6.16	9.12	
	Air Pollution Control	165	2.2	0.19	0.38	
	APC Equipments & Maintenance of Equipment	0	1	0.42	0.86	
	Air Quality Monitoring	0	5	4.42	3.18	
	Maintenance Cost	0	5	13.2	8.2	
	Noise and Vibration Mitigation	0	1	0.13	0.17	
3	Noise Monitoring	0	1	1.04	0.75	
	Maintenance & Cost of Equipment	0	1.45	0.34	0.24	
4	Solid & Hazardous Waste Management	10	511.17	17.07	25.65	
5	Green Belt Development & Maintenance	2	25	16.65	14.63	
6	Storm Water Management	50	2	2.8	2.1	
7	Fire Fighting	120	1.05	33.08	2.4	
Total		432	681.97	166.5	154.16	

Photos of EMP Implementation Air Pollution Controls



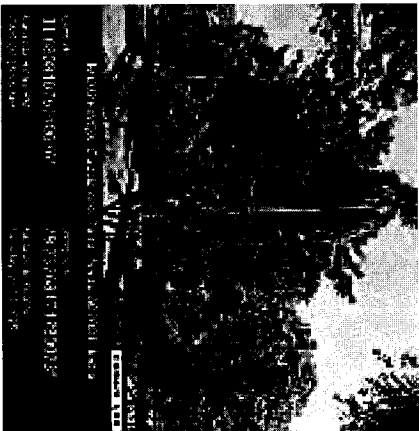
Water Pollution Control



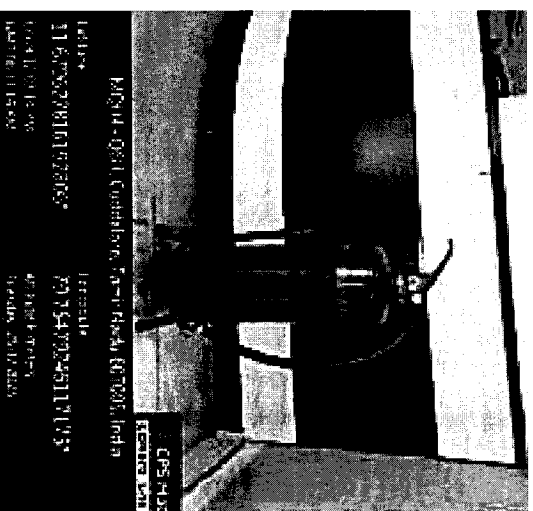
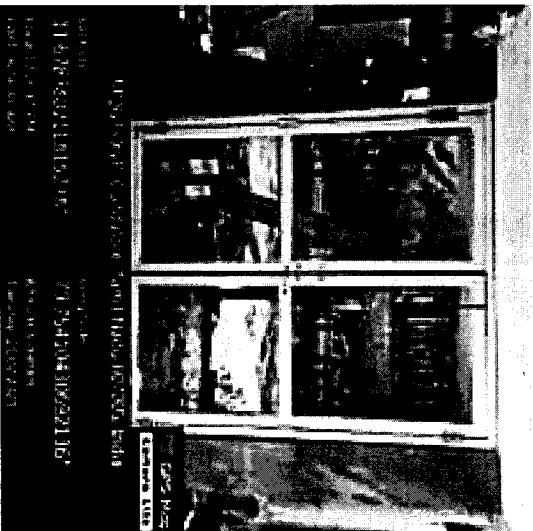
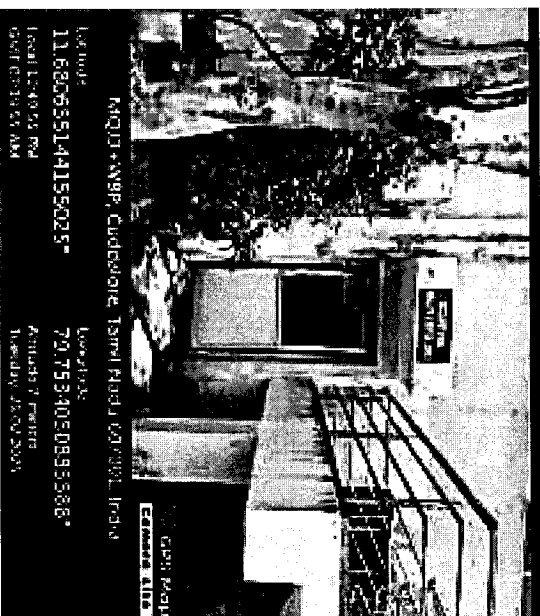
Noise Pollution



Greenbelt



Occupational Health & Safety



Annexure - 9

Details of Fresh Water Consumption:

	Year 2024											
	Jan'24	Feb'24	Mar'24	Apr'24	May'24	Jun'24	Jul'24	Aug'24	Sep'24	Oct'24	Nov'24	Dec'24
Fresh Water Consumption (KL/Day)	359.10	297.62	298.77	369.67	480.81	537.10	579.55	485.03	518.40	536.39	502.23	571.29
Total for the Month	11132	8631	9262	11090	14905	16113	17966	15036	15552	16628	15067	17710

Annexure - 10

Comprehensive Action Plan for Carbon Sequestration:

a. Short Term:

Strategy for Carbon emission reduction / Offsetting Short Term

Description	Year - 2023-2024	Year - 2024-2025	Year - 2025-2026
Replace all illumination to LED technologies & Street Lighting using Solar lights.	125	105	125
Minimize Steam vent & Maximize Heat Recovery in process.	1.Optimized steam usage 2.Steam leak fixed 3.Used variable frequency drives	1.Implemented condensate recovery. 2.Heat recovery system.	1.Providing training and awareness 2.Process optimization
Emission reduction from Process	1.Energy efficiency measures 2.Upgraded to energy efficient motors 3.Improved boiler efficiency	1.Tracking energy consumption 2.APC equipment's frequent monitoring Implemented	1. Improve process design 2.implementing process control system
Carbon sequestration through Trees plantations within site & SIPCOT OSR Land	1500 tree saplings planted	2032 Tree saplings has been planted.	Initially planned to purchase 1500 tree saplings from forest department, Cuddalore

b. Long Term:

Strategy for Carbon emission reduction / Offsetting Long Term

Description	Year - 2023-2024	Year - 2024-2025	Year - 2025-2026	Year - 2026-2027	Year - 2027- 2028
Utilization of Renewable Energy for Production (Installation of Solar Panels / Wind Energy) to minimize usage of conventional energy	–	–	–	–	–
Purchase of Renewable Energy through power purchase agreement / Indian Energy Exchange to reduce conventional electricity consumption	–	–	–	Planning to purchase from wind energy	–

Annexure - 11

Details of Toxic / Hazardous Raw Material Inventory

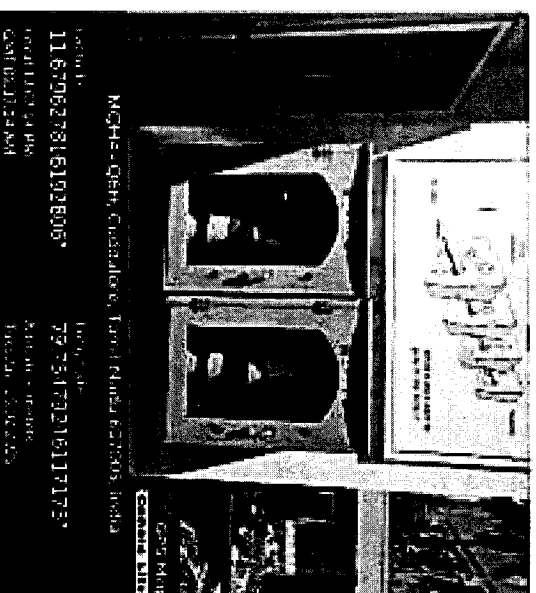
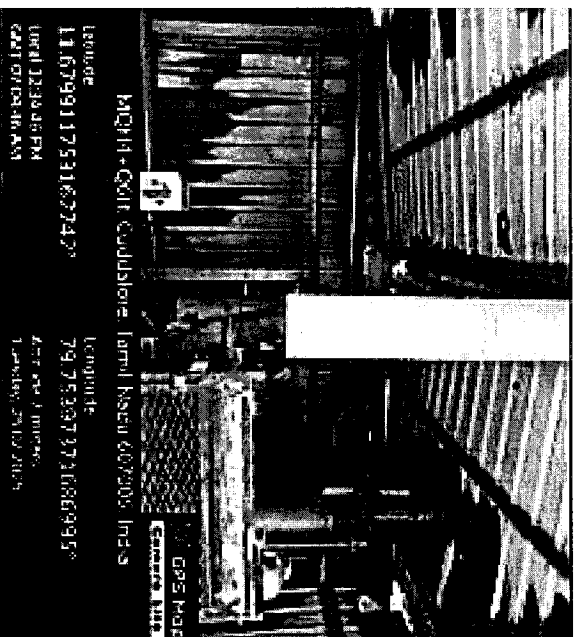
S. No	Raw Material	Physical Form	Location	Material classification as per (MSIHC) Rules, 1989	Tank No	Maximum Qty to be stored (MT)	Qty stored at Site (MT)	No of days stored
1	Acetaldehyde	Liquid	Penta plant	Extremely flammable	24001 24002 24003	140	28.6	2.5
2	Methanol	Liquid	Penta plant	Highly flammable	24201 24202 24203 24204	512	48.5	1.6
3	Formaldehyde	Liquid	Penta plant	Toxic	24601 24602	348	287	3.2
4	Sulphuric acid	Liquid	Penta plant	Corrosive	751	21.6	10.28	11
5	caustic	Liquid	Penta plant	Corrosive	100 A	270	246	12
6	Formic acid	Liquid	Penta plant	Corrosive	701	24.75	5.75	19
7	HCL	Liquid	Penta plant	Corrosive	1	23	8.8	15

Annexure - 12

Details of Fire Fighting System:

S. No	Description
1	Fire Extinguishers
2	Fire Hydrant Points / Hose Box
3	Water Monitor
4	Foam Monitor
5	Hose Reel
6	Foam Trolley
7	Foam making branch pipe
8	Fire Bucket
9	SCBA (Self Contained breathing apparatus)
10	Online Breathing Apparatus
11	ELSA (Emergency Lifesaving apparatus)
12	Eye wash Shower
13	Fire Hydrant Water Sump

Photos of Fire Safety System

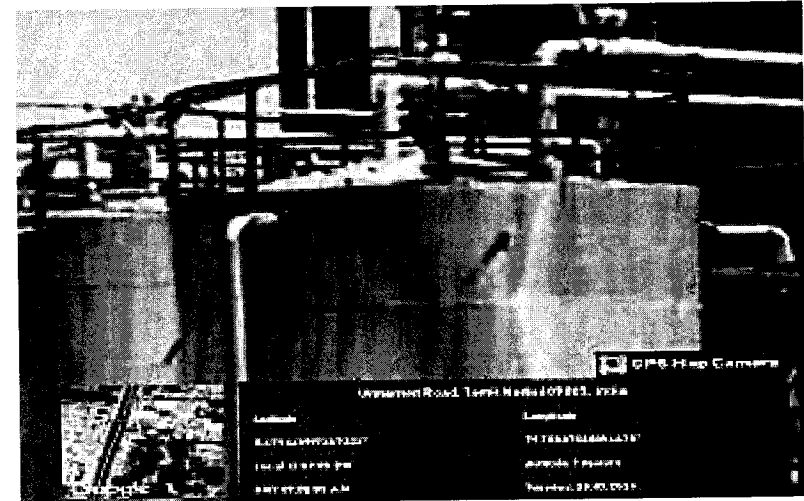


Annexure - 13

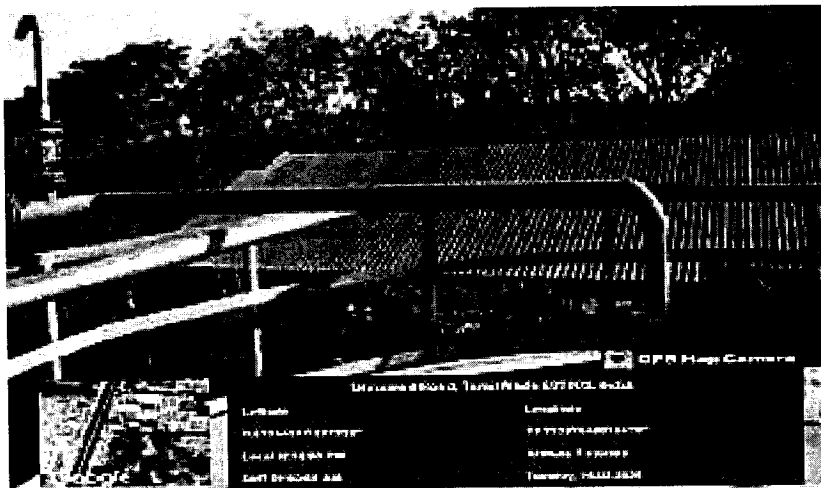
Details of Solvent Management Controls



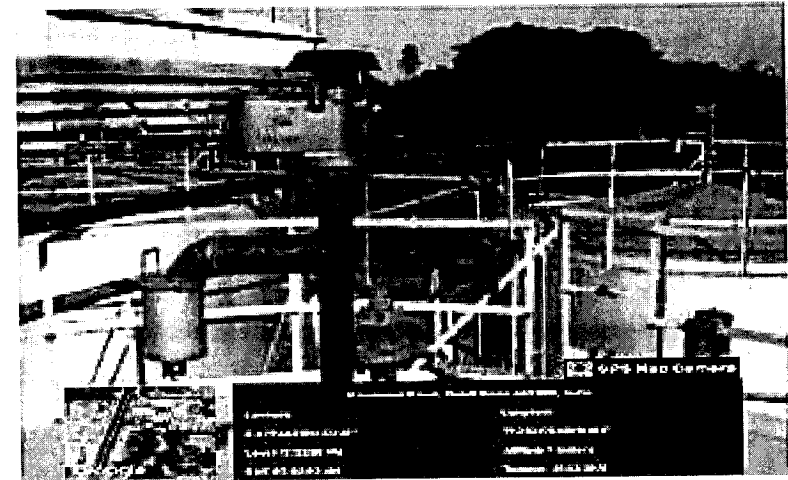
Common Vent Chiller with -20°C chilled brine circulation for VOC reduction from plant vents



Vent Collection System at storage tanks



Vent Collection System at storage tanks



Vent collection for Storage Tanks

Annexure - 14

Compliance with GSR 1241 (E), dated 28th December 2018

a. Emission Standards: Report Ref: 29 Jan 2025

S. No	Parameter	Specification mg/Nm ³	Actuals (Total avg)
1	PM (all process vents attached to pre-mixers & mixers)	50	13.13

b. Effluent Standards. Report Ref: ECAR2306-975 Dated: 27.06.2023

S. No	Parameter	Specification mg/l	Actuals
1	pH	6.5 - 8.5	6.60
2	Total Suspended Solid (TSS)	100	BDL
3	BOD 3 days @27°C	30	BDL
4	Phenol & Phenolic Compounds C ₆ H ₅ OH	1.0	BDL
5	Oil & Grease	10	NA
6	Bioassay Test	90% survival in 100% effluent in 96 Hours	NA
	Heavy Metals		NA
7	Lead as Pb	0.10	BDL
8	Hexavalent Chromium	0.10	BDL
9	Total Chromium	2.0	NA
10	Copper as Cu	2.0	BDL
11	Nickel as Ni	2.0	NA
12	Zinc as Zn	5.0	0.07
13	Arsenic (As)	0.2	NA
14	Cobalt as Co	0.2	NA
15	Total Heavy Metals	7.0	NA

c. Service Waste water

ZLD Maintained Not Applicable

d. Storm Water

Photos of Storm water Management within site

e. Guidelines for Solvent Losses

Total losses of Solvent is within 5% of consumption.

Annexure 13 - CER, CSR Activities

CSR Highlights

FY 25-26

CSR spend 25-26 (Apr'25 – Sep'25)

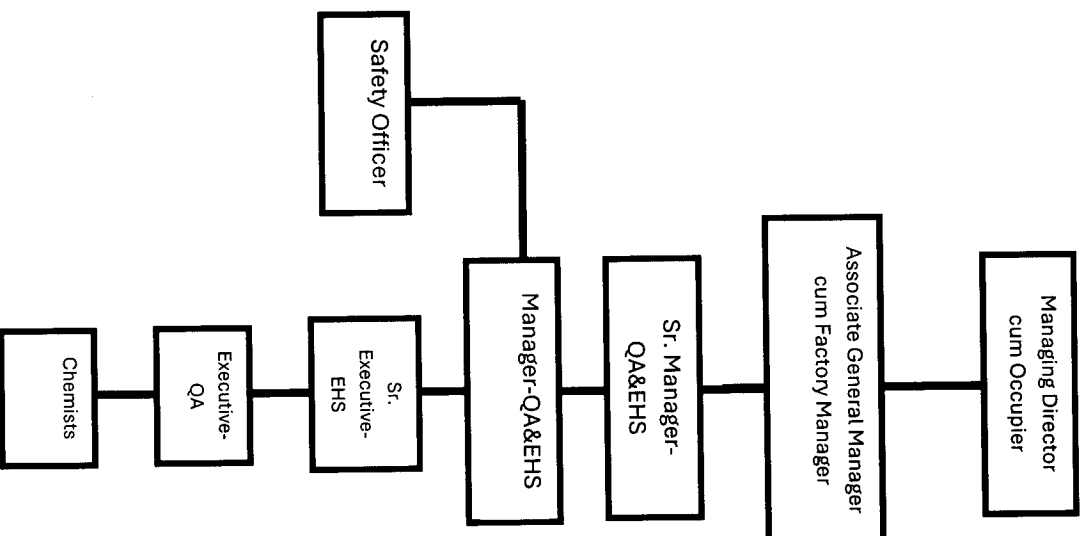
SN	Project	Theme	Partner	Total (Rs. Lakhs)
1	Pachiyankuppam	H&H	Help Age India	20.1
2	Kudikadu	H&H	Help Age India	
3	Karaikadu	H&H	Help Age India	
4	Echankadu	H&H	Help Age India	
5	Drinking water supply to Nearby village			
Grand Total (Health & Hygiene & Water)				20.1

HEALTH CENTER TIMING Cr

Health center Location	Visit Timings	Visit Days
Pachiyankuppam	9.30 to 1.00	Mon, Wed & Fri
Kudikadu	2.30 to 5.00	Mon, Wed & Fri
Karaikadu	2.30 to 5.00	Tue, Thu & Sat
Echankadu	9.30 to 1.00	Tue, Thu & Sat

Annexure 14 - Environmental Management Cell

Environmental Management Cell



Annexure 15 - Carbon Sequestration Details

Details of tree species planted in M/s Asian Paints Limited, Cuddalore

Species details planted in the financial year 2024-25

Species variety	No. of saplings
Naval	454
Ficus	105
Poovarasu	94
Pungai	177
Neem	271
Teak	510
Coconut	72
Rain tree	41
Kadamba	30
Mahogany	35
Neermaruthu	273
Total	2062

Previous census of trees (FY23-24) = 16065

New saplings planted (FY24-25) = 2062

Total trees available as on 31st March 2025 (considering survival rate) = 18127

Annexure 16 - On Site and Off Site Emergency Plan

o o asianpaints

SAFETY AUDIT REPORT

March-- 2024

ASIAN PAINTS LTD

Document Ref : ESA-2024/AP/GGSS-123



Audit Agency

Address

43/7B,
Senthil Nagar,
Chinnakodungaiy
ur,
Chennai-51,India
Ph : off :
044-35515926
Cell :91-
9952043904
91-9444968960

Penta Division,
B5 - B10, Sipcot Industrial Complex,
Kudikadu, Cuddalore- 607005, Tamil
Nadu, India

Safety Audit Performed by
Meganathanmurugappan.ME.,MIE.,DIS.,Ph.D
Scholar

Accredited Safety Auditor by Government of
Tamilnadu&Kerala, Chartered Engineer & PHA

Specialists of

M/s. Green Global Safety Systems
Email:info@greenglobalsafetysystems.com
www.greenglobalsafetysystems.com

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PART - A**Preface**

M/s. ASIAN PAINTS LTD, Penta Division, B5 - B10, SIPCOT Industrial Complex, Kudikadu, Cuddalore- 607005, Tamil Nadu, India. offered an opportunity to M/s. Green Global Safety Systems, Chennai-51 to Perform the safety Audit to evaluate the effectiveness of the Occupational Safety and Health Systems in their Pentaerythritol manufacturing facility.

Upon the requirement in the organization, Occupational Health & Safety (OH & S) audit was conducted and the final report is submitted.

Disclaimer

We have Performed as Per MSIFHC Rule 2000 and the Occupational Health & Safety Audit as per the IS 14489: 1998 requirements and the report submitted is not deemed to be any undertaking, warranty or certificate.

Place: Chennai

M.MEGANATHAN,ME.,MIE.,DIS.,Ph.D.,
Scholar Safety,

Date : 24-04-2024

Accredited Safety Auditor by Govt of
Tamilnadu & Kerala
Chartered Engineer and International PHA
Specialists

I. Introduction

As part of good business practice to initiate and carryout systems of Inspections and checks to ensure that the operations are performed in the efficient and profitable way, Safety audit is used as an effective tool for identifying falling standards, areas of risk or vulnerability Hazards and Causes for potential accidents associated to the Pentaerythritol Manufacturing Industrial activity in the Competitive business world.

M/s. ASIAN PAINTS LTD, Penta Division, B5 - B10, SIPCOT Industrial Complex, Kudikadu, Cuddalore- 607005, Tamil Nadu, India. have organized for the external safety audit and conducted by our team of M/s.Green Global Safety Systems, Chennai.

The detailed report of Safety audit is presented in this booklet for M/s. ASIAN PAINTS (INDIA) LTD, Penta Division, Cuddalore, Tamilnadu.

Lead Auditor

Audit Team Profile

Name and Designation

1. M.MEGANATHAN, ME.,MIE.,AMIE.,DCT.,DIS.,BOC.,

Lead Safety auditor – Chemical Process Industries

2. RELEVANT QUALIFICATIONS:

- ME-Master Of Environmental Engineering
- AMIE in Chemical Engineering
- Diploma in chemical Technology Diploma in Industrial safety
- Accredited safety auditor – Govt of India and Tamilnadu
- Competent person of Boilers – A CLASS
- Trained HAZOP Leader - Certified by China risk management
- Chartered Engineer by Institution Engineers India

3. WORK EXPERIENCE:

- Total Year of Industrial Experience:19 years of Industrial Exposure in Various disciplines.

M/S. Madras Petrochemicals Ltd, Chennai.

M/S. Southern petrochemical industries Ltd, Manali

M/S. Tamilnadupetroproducts Ltd, TIDCO,Manali.

M/S. Dalmia Cement Bharat Ltd, Trichy

M/S. GE – Momentive performance materials India Pvt Ltd (MNC)

M/S. Piramal Pharmaceuticals,Ennore,Chennai -68.

4. RESPONSIBILITIES INCLUDED:-

Conducted Safety audits, Risk assessments,Training on Safe Handling Chlorine system,Construction safety system. Behavior Based Safety system a modern approach etc.

As Process safety Specialist I conducted PHA (Process Hazard Analysis) for two project- Plant erected and commissioned and running with full rated capacity.

4.1 PLANT SAFETY:

- Having Experience in water quality Analysis, Air quality, Confined Vessel Entry , Explosive atmosphere, Ventilation in Lab Hoods analytical equipments and techniques

- Experienced in Hydraulic testing of Chlorine cylinders and conducting physical and internal inspection of the cylinders and clearance for filling / Rejection.
- Hydraulic testing of Pipelines after erection and report preparation.
- Experienced in operation and maintenance of Belt conveyors, Screw convey, Bucket elevators ,Pipe conveyors and Pneumatic conveyors
- Working experience in Thernic fluid Heaters of make Thermax Ltd
- Experienced in Hydrogen fired Boiler of make Thermax Ltd.
- Having experience in Solvent separation unit in pharmaceuticals and specialty chemical plants
- Working Experience Operation and maintenance of Centrifugal machines

4.2 ENVIRONMENT SAFETY:

- ➔ Activities towards Compliance to the Environmental Statutory Requirements like
 1. Consent Order for Existing / Expansion Projects
 2. Environmental Clearance from MOEF, CPCB, TNPCB.
 3. Environmental Impact Assessment (EIA),
 - 3.1 It Involves Prefeasibility study
 - 3.2 Quantitative Environmental Risk Assessment
 - 3.3 Environmental report
 - 3.4 Socio Economic conditions
 - 3.5 Air & water quality modeling
 - 3.5.1 Gaussian Model
 - 3.5.2 Noise Level reports and mapping
 - 3.6 Climatic
 - 3.7 Human Interface study
 - 3.8 Evaluation of Env Impacts
 - 3.9 setting an Environment Management Plan
 4. Public Hearing
 5. Participation in MOEF meeting.
 6. Hazardous and Non Hazardous Chemicals Management,
 7. Transportation of hazardous petrochemical substances
 8. Waste management of Solid, liquid and gaseous materials.
 - 8.1 Disposal methods of Haz waste and procedures
 - 8.2 Compliance requirements

6. SPECIFIC STANDARDS USED:

IS 14489,Fact act -1948,Tamilnadu Factories rules 11950 MOEF, CPCB, TNPCB, OSHAS, EPA,RCRA ,CERCELA, BIS.National Building Code, Tariff Advisory committee Etc.,

7. PROCESS SAFETY MANAGEMENT RESPONSIBILITIES

In charge of HSE Dept / Process Commissioning for Chlor alkali Plant, LPG, Benzene, octane, heptane, Methanol, Diesel, and Furnace oil loading and unloading areas, Effluent Treatment Plant, Occupational Health & Training center HSE Achievements, Erection and Commissioning of Automatic Sprinkler system to 100 MT Storage of LPG Bullets (2 Nos.) and Fire Hydrant System to petrochemical and chlor alkali plant at given time schedule on Jan 2002. Basic HSE Induction Training to 2000 Manpower.

8. HSE ACHIEVEMENTS.

- Number accident free man days maintained up to 12 years continuously
- 5 star awards
- national safety awards
- consecutive national safety council awards
- British safety council awards
- ISO-9001 certificate
- Iso-14001 certificate – Lead Auditor
- Working with ISO 18001
- No of Internal safety audit conducted is approx 20.

→ HSE CERTIFICATES

- Ist Class Boiler Safety – Insp. Of Boilers-India
- HAZOP Leader – China – RISK MANAGEMENT SOLUTIONS
- DG FASLI – Govt of India Trained Safety auditor
- IRCA accredited LEAD AUDITOR FOR ISO 14001 -2004
- Certified Internal Auditor for ISO 9001
- First aid – St John Ambulance – Cent Govt. of India

10. EHS SOFTWARE KNOWLEDGE:

1. Process Hazard Analysis: HAZOP, FMEA, FTA, SOP-Leader Software (ABS USA)
2. Environmental Risk Assessments – 3MRA Software – EPA (USA)
3. Noise mapping – Custics software – Spain
4. Quantitative Risk estimation – ALOHA Software (EPA – USA)

5. Piping – Pipe flow Expert Software –UK

11. OTHER CERTIFICATES:

- Safety Training Programme –By Insp. offactories-Tamilnadu-India
- First Aider – St John Ambulance –India
- Ms-Office- 2000 – NIIT – India

12. PROFESSIONAL MEMBERSHIPS

1. National Safety Council- Member-India
2. Safety Engineers Association – Member-Tamilnadu
3. Indian institute of Engineers (India)– Associate – Calcutta
4. Safety Auditors Association of India -SAAI – Moderator
5. Indian safety Engineers(ISE) – Member
6. Chartered Engineer – In progress with IEI-India
7. Industrial Waste management Association – Member -2010

Mr.T.Sundaramurthy - 40 Years of chemical Process Industries

II. Executive Summary

- ✓ As part of Occupational Safety and Health management system, M/s. ASIAN PAINTS (INDIA) LTD, Cuddalore, Tamilnadu, have the commitment, attitude, Systems and procedures to manage the Health and Safety requirements to their factory.
- ✓ Safety Awareness posters, warning boards, pictures and mirror image in the time office are in appreciable manner.
- ✓ Well established Training center is available and Periodical training for the employees and contract employees are in appreciable manner.
- ✓ Basic Engineering design and Overall Process safety management system is well planned, constructed and maintained in the factory premises.
- ✓ At any point of time one reactor remains Empty to take care of any Emergency arises in the running reactor.
- ✓ Periodical Inspection by the Executives and Internal audits by the team is appreciable.
- ✓ Color coding and Gasket safety management system practiced in the Product / Process lines are in the appreciable manner.
- ✓ Standard Operating Procedures are evaluated, displayed in Tamil (Local Languages) at various Locations.
- ✓ Emergency preparedness plan and response system has been established, practiced regularly.
- ✓ Process safety management system have both remote Controlled operation and Local system to mitigate the emergency situations.
- ✓ Plant have conducted Process safety audit and compliances as per the recommendations are under implementation status is appreciable.

III. Goals and Objective of the Safety Audit

Safety Audit Goals

Audits are normally designed to achieve one or more of the following goals

- ❖ To provide the audit with an opportunity to assess its own OS & H system against standards and identify areas for improvement.
- ❖ To determine the conformity of the implemented OS & H systems with specified requirements and identify areas for improvement.
- ❖ To meet applicable local regulatory requirements.

Audit Objectives

Occupational Safety and Health (OS & H) audits are conducted

- ❖ To carry out a systematic critical appraisal of all potential hazards involving personnel, plant, services and operational methods.
- ❖ To ensure that OS & H system fully satisfy the legal requirements and those of company's written safety policies, objectives and progress.

IV. Scope of the Audit

➤ To conduct the Safety audit in the M/s. ASIAN PAINTS LTD, Penta Division, B5 - B10, SIPCOT Industrial Complex, Kudikadu, Cuddalore- 607005, Tamil Nadu, and the general List of areas in the factory premises are as follows

- Penta ErithrolStorage Area
- Methanol storage facility
- Batch Reactor area
- Formaldehyde
- Acetaldehyde
- Caustic soda
- Supluric Acid
- Formic Acid
- Sodium formate
- Stripping Area
- Storage Silo
- Packing and Warehouse area
- Product Dispatch area

Utilities

- Desalination plant
- Penta plant
- DipentPlant
- Water treatment plant
- Effluent treatment plant

- Coal yard
- Chilled water systems
- Boiler

Other areas

- Main office Buildings
- Occupational Health Centre
- Canteen
- Switch yard
- Substation
- Logistic Inside roads
- Engineering offices and Workshops.

V. Methodology

Safety audit was conducted as per the Guidelines Standard for Occupational Health and Safety Audit "IS 14489: 1998 reaffirmed as 2002".

Audit Methodology

- ❖ Appraisal of Audit procedures to the concerned executives.
- ❖ Familiarization visit to various sections of the unit.
- ❖ Visit to various sections for in depth study of hazard potential.
- ❖ Study of the maintenance system of process vessels, machines, pipes, equipment, buildings etc.,
- ❖ Interaction with various levels of employees.
- ❖ Perusal of documents relating to OS & H.
- ❖ Appraisal of major observations to the functional heads who are decision makers to improve SHE system.

Documents Perused

The following records are pursued during the audit.

1. OS & H policy
2. Safety Department's organization chart
3. Safety Budget
4. Safety promotional & motivational measures
5. Training records on safety, fire and first-aid
6. Record of plant safety inspections
7. Accident investigation reports
8. Accidents and dangerous occurrences – statistics and analysis.
9. Record of tests and examinations of equipment and structures as per statutes
10. Safe operating procedures for various operations
11. Record of work permits
12. Record of monitoring of toxic, flammable and explosives substances at work place

13. Maintenance and testing records of the detection and firefighting equipment
14. Occupational Health Centre/First Aid Details
15. Medical records of employees
16. Records of industrial hygiene surveys (noise, ventilation and illumination levels, airborne and toxic substances, explosive gases)
17. Material safety data sheets
18. On-site emergency plan and record of Mock Drills
19. Communication Systems adopted in the unit
20. Records of Hazardous waste disposal
21. Housekeeping inspection records
22. Minutes of safety committee meetings
23. Approval of layouts; and other approval from statutory authorities
24. Records of any modifications carried out in plant or process
25. Maintenance procedure records
26. Calibration and testing records
27. Shut down and maintenance procedures
28. In service inspection manuals
29. Records including that of material handling
30. Inspection books and other statutory records
31. Records of previous audits
32. HAZOP Study Reports
33. Safety in transportation of hazardous substances
34. Personal Protective Equipment
35. Pressure Vessels, Pipes and Fittings
36. Lifting Machines and Tackles
37. Mobile Equipment and Vehicular Traffic
38. Tank Storage Area Vessel-Details

Areas covered under audit

1. Safety policy	16. Material handling
2. Organization Setup	equipment
3. Safety Education and Training	17. Electrical and personal safe guarding
4. Employees participation in OS & H	18. Ventilation, illumination and noise
5. Safety Manual & Rules	19. Work environment monitoring system
6. Compliance with Statutory Requirements	20. Occupational Health
7. New equipment review / inspection	21. Safe operating procedures
8. Accidents reporting, investigation and analysis	22. Work permit system
9. Risk assessment including hazard identification	23. Fire prevention, protection and fighting system
10. Plant safety inspections	24. Emergency preparedness plan
11. Health and safety improvements plans / targets	25. Process / plant modification procedures
12. First aid facilities – Occupational Health Centre	26. Transportation
13. Personal protective equipment	27. Hazardous waste storage area
14. House keeping	28. Safety in storage and warehousing
15. Machine and general area guarding	29. Contractor safety system
32. Boilers, Pressure Vessels and Utilities	30. Buildings and Structures
Library and up gradation of knowledge	31. Hand tools

VI. Standards

- Specific Standard for Occupational Health and Safety standard used is "IS **14489: 1998 reaffirmed as 2002**" is applicable to the scope of the safety audit.

3.0 PROFILE OF THE COMPANY

Asian Paints is India's largest and Asia's third largest paint company since its foundation in 1942, with a turnover of Rs.141.83 billion. Asian Paints, through international operations, operates in 19 countries and has 26 paint manufacturing facilities in the world servicing consumers in over 65 countries

Asian Paints Limited has two chemicals manufacturing facilities, one at Ankleshwar, Gujarat, which manufactures Phthalic Anhydride, and the second at Cuddalore in the state of Tamilnadu, which manufactures Pentaerythritol. These units were set up as backward integration initiatives in the late eighties, primarily to cater to the in-house demand for these chemicals.

Asian Paints Limited, Penta Division was set up in 1984 as a joint venture between TIDCO & APL. The plant is located in Cuddalore SIPCOT Industrial Complex, 250 Km away from Chennai, it is a coastal town on the shore of Bay of Bengal & well connected with Chennai by Rail & Road. The facility is accredited with ISO 9001, 14001 AND ISO45001 certification and is a "Zero Liquid Effluent Discharge Unit".

Our facility has won many awards at the state level & national level for implementation of energy saving, yield improvement schemes, outstanding export performances and is the first in the state of Tamil Nadu to have successfully operated a "Zero Liquid Effluent Discharge" facility.

The technology for the manufacture of Pentaerythritol was licensed from Hercules Inc of USA. We have developed good capabilities in the manufacturing process and have established processes that help us control impurities like formals. We manufacture Pentaerythritol in 2 primary grades of Penta with purities varying from 98-99% in Mono Penta and 83- 85% Di Penta in Di Pentaerythritol. Impurities like Tri-Penta, Cyclic & linear formals, though present in our product also, are in much lower quantities.

Esters made using our product Di-Pentaerythritol are used in US and Europe in aviation industry. Granular grade of Di Penta produced by us is quite popular due to advantages in safe handling at user end.

We are the leaders in India in Penta markets like Alkyd Resin, high energy material (detonator fuses) and are regular exporter to manufacturers of specialty lubricant additives and synthetic lubricants. We have developed specific grades for application in the polyester industry for improving the speed and tenacity of the fiber. Efforts are underway to develop powder and micronized grades of Penta for PVC stabilizer industry in view of the increasing demand in the country and also to support introduction of lead free stabilizers.

Penta division is engaged in the manufacture of Formaldehyde. Formaldehyde is manufactured from Methanol and is a key input Raw Material used for the manufacture of Pentaerythritol. It is used mainly for captive consumption.

IX. Audit Team Selection

Our audit team is selected in such way that the competency level in hands on expertise in Identifying potential Hazards, causes for accidents in Pentaerythritol Manufacturing plants and presenting suitable recommendations .

Our team comprises of

M.Meganathan - Lead Auditor – Process safety
Sundaramurthy.T - Sr.Audit Member – Electrical and Maintenance
K.Ayyappan- Audit Team Member – Instrument and other Department

Lead auditor and other member Auditor are experienced more than 30 years in Various Kinds of Industries in Operation, Safety and Health Departments.

Our Team have conducted Safety audits more than 250 Safety Audits.

We are recognized safety auditors Trained by the DGFA SLI, Central Government body of India and notified accredited Safety Auditors by the Directorate Industrial Safety and Health –Tamilnadu, Kerala state.

PART – B**X. Site Visit**

To conduct the Safety audit in the M/s. ASIAN PAINTS LTD, Penta Division, Pentaerythritol manufacturing Unit, and Observation made in the general List of areas in the factory premises are as follows

- Penta Erithtrol Storage Area
- Methanol storage facility
- Batch Reactor area
- Formaldehyde
- Acetaldehyde
- Caustic soda
- Supluric Acid
- Formic Acid
- Sodium formate
- Stripping Area
- Storage Silo
- Packing and Warehouse area
- Product Dispatch area

Utilities

- Desalination plant
- Penta plant

- Dipent Plant
- Water treatment plant
- Effluent treatment plant
- Coal yard
- Chilled water systems
- Boiler

Other areas

- Main office Buildings
- Occupational Health Centre
- Canteen
- Switch yard
- Substation
- Logistic Inside roads
- Engineering offices and workshop.

PART B 1

IS 14489 Elements summary

S.No	Name of the Subject	Observations	Recommendations
1	Occupational safety & health policy (OS &H)	✓ Occupational safety & health policy is available. Communicated, Reviewed Periodically, Displayed in the conspicuous places in English and Local languages. <u>Sample Audit</u> 1. Quality Policy. 2. Health and safety policy and 3. Environmental policy. Policies are signed by MD-Mr. Amit Syngle –MD.	
2	Occupational Safety and Health (OS&H)organizational set-up	✓ Factory has OS & H organizational set up as follows <pre> graph TD FM[Factory Manager] --> M[Manager] M --> SO[safety officer] </pre> Sample Audit : Safety officer approval Solicited to DISH via R-DIS (H1)/1329/2018.	

3	Education and training	✓ Factory have Annual training plan and it has been communicated. ✓ Training documents are maintained. ✓ New Employees undergo safety communication and training. ✓ Visitors and Customers undergo Safety hazard communication. ✓ Training hall is available. Latest training – Safe Act and Unsafe Act (SUSA) Conversation No of participants and date – 28 Employees and 27.03.2024 ✓ Effectiveness verified – Yes	
4	Employees participation in OS&H Management	✓ Safety committee is formed, periodical meeting conducted. Minutes are recorded and reviewed. ✓ Safety committee meeting is conducted periodically. ✓ Proper follow up of the Safety committee minutes of meeting is, recorded and progressive action have been ensured for the agreed concerns. ✓ Corporate Social Responsibility activities are also discussed. Date and no of points- 16.03.2024 and 20 How many points complied in the last three month- 08 Whether chainman is attending the meeting / attendance proof is required – Yes	

5	Motivational and promotional measures for OS&H	✓ The following practice also in action to ensure the Employee participation and Safety promotional measures. • Plant safety inspection • Safety Incentive scheme is implemented and practiced. ✓ June 5 - environment day celebration is conducted. ✓ March 4 - safety week celebration is conducted ✓ April 14 – National fire day celebration is conducted ✓ Good Number of Employee participation is observed. ✓ Near-Miss reporting scheme, best price is given in every month. ✓ Celebration of Annual day. ✓ On the spot safety award. ✓ Best employee award ✓ Best contractor award. ✓ Best suggestion award. Award given by TN govt. ✓ Display of Safety posters etc...	
6	Safety manual and rules	✓ General Plant safety manual is available ✓ Safety manual contain all the hazards pertaining to whole business activity is evaluated ,written, communicated to the all stake holders and reviewed ✓ Factory Safety Rules are available, Communicated to the stake	

		holders. ✓ Control over the violation of the safety rule is monitored effectively. ✓ General safety manual is available ✓ Process Safety management (PSM) guidance manual are available, Issued to all employee. ✓ EHS safety manual is available and it is displayed.	
7	Compliance with statutory requirements	✓ Factory has the system of identifying the applicable legal requirements, complying and reviewing including this External Safety audit. ✓ Factory is getting informed with periodical amendments of the legal requirements by the external sources. ✓ Periodical Testing and Examinations of the tools and tackles are carried out. ✓ Gas Cylinders Rules, 1981 (under Indian Explosives Act,1884) ✓ Static and mobile pressure vessels Rules (Unfired) ✓ The Motor Vehicles Act - 1988. - Transporters have proper Driving license and insurance. ✓ Management of Import, Handling storage of Hazardous chemicals	

		Rules 2008 and <u>i.Environmental Regulations :</u> ✓ Water (Prevention & Control of Pollution) Act, 1974. ✓ Air (Prevention & Control of Pollution) Act- 1981 • Air and Water Consent order is available Effluent and sewage treatment plants are available ✓ The Hazardous waste (Management , Handling and Transboundary movement rule 2008) • Hazardous waste Authorization certificate is available • Valid upto : 25-12-2026	
8	New equipment review/inspection	✓ Safety aspects about the new equipment inspection is being carried out by the concerned end user department head thro Material Inspection system in the stores. ✓ Standard operating procedure is available for managing changes in the men, material, method and management safety systems.	

9	Accident reporting analysis investigation and implementation of recommendations	✓ Incident management systems like First aid cases, Near miss, Reportable incidents registers are maintained. ✓ Effective implementation in the Near miss reporting, recognition, evaluation, Remedial and preventive actions are appreciable. ✓ Incident Reporting Forms available to all the employees and reviewed for corrective, preventive action ✓ Accident reporting System is available. ✓ Investigation team is formed <u>Sample Audit</u> No. of reportable incident in last three years – 02 fatal accident : Nil	
10	Risk assessment	✓ Plan is available for Risk associated with each hazard is	

	including hazard identification	identification, evaluation, priorities and remedial, preventive actions. Sample Audit QRA (quantitative risk analysis) – Yes. Done by Cholamandalam, Jan-2022. HAZOP – Done in 2010 by GLIS, Chennai. Internal team do Hazop for any new /Change in Process	
11	Safety inspections	✓ Scheduled plant wise Safety Inspection is carried out by team (All cross functional) ✓ Observations are recorded, reviewed, corrective and preventive actions have been taken. ✓ Regular fire team inspection is carried out ✓ Emergency plan should be carried out ✓ External Safety audit is conducted Sample Audit 1. Monthly, Weekly and daily checklist available to inspect fire hydrant, fire extinguishers and work place inspections. 2. Hazard identification card is available for informing the Hazards in work place.	

12	Health and safety improvement plan/targets	✓ Factory has the target of "NO REPORTABLE INCIDENTS" Sample Audit To Maintain Recordable Frequency rate < 3.33 and Total Frequency Rate <200. For achieving this training is given to employees. The unsafe conditions on travel also are taken for analysis and improvement. Training on Defensive driving is given for all Two wheeler and four wheeler driving. Travel policy is being developed to maintain safety during travel.	
13	First aid facilities - occupational health centre(OHC)	✓ First aid boxes are provided. ✓ New OHC building construction is under progress. • Medical oxygen cylinder is available. • Bed is available. • First-Aid box is available. • First-Aid box inspection register is available. • Health record is available. ✓ Factory Medical officer having MBBS doctor with proper qualification.	

		✓ First aid equipments are available to take care of emergency situations ✓ Employees Health records are available in the form of Test reports and Examination details ✓ Ambulance is available in the OHC. Sample Audit Doctor NAME- Dr.Anbu Nurse name – Mr.Deva, Mr.Vijaybalan, Mr.Arulpraksam, Mr.Dinkaran Available hours – 24 Hrs Size of OHC – 20 Sq ft. What are the records verified: 1. Medicine stock and disposal records. 2. Waste disposal records. 3. Doctor's plant visit record. 4. First aid box position and stock records. 5. Medical record s and its summary.	
14	Personal protective equipment (PPEs)	✓ PPEs like Face shield, goggles, helmets, shoe, Aprons, respirators and gloves are issued, recorded and maintained. ✓ Emergency Escape air breathing apparatus and online air breathing apparatus are provided. ✓ Minimum Inventory of PPEs are maintained in the stores.	

		✓ Self contained breathing apparatus is available in the plants. ✓ Fire Extinguishers are available in the plants.	
15	Good housekeeping	✓ Housekeeping in the plant and administration building are good.	
16	Machine and general area guarding	✓ General machine guarding system is appreciable. ✓ Emergency stop buttons are provided for the conveyors under construction. ✓ LOTO facilitated Electric panels is provided for the heavy machineries.	
17	Material handling equipment	✓ Belt conveyors are under installation in the salt handling plant. Sample Audit 1. Fork lift of various sizes. Drivers are qualified. Regular maintenance done for forklifts and the forklifts are inspected and certified for use by M/S Sriram agency. 2. EOT cranes and chain pulley blocks are used for handling material and these are inspected and accepted for use by Sriram agencies 3. One scissor lift is available for Lading in Containers. This is periodically inspected and serviced.	
18	Electrical and personal	✓ Two number of transformer is available. ✓ Transformer Capacity : 1500KVA	

	safeguarding	✓ Qualified electrician is available. ✓ B – license Holder : 4 ✓ C – license Holder : 4 ✓ Diesel Generator (DG) is available. ✓ Earth pits are numbered, tested periodically. ✓ Zones were properly written and communicated. ✓ Flame proof fittings were installed in Cell house and hydrogen bottling plant. ✓ Lightening arrestors are installed and earthed. ✓ Testing instruments are calibrated periodically. ✓ Electrical personal protective equipment like rubber gloves, half face mask, Rubber mats, and Fire extinguishers are provided. ✓ First aid box is provided. ✓ Rubber mats are provided in the MCC room panels. ✓ Electrical Clearance system for undertaking any maintenance job is in practice in the safety work permit system. ✓ Preventive maintenance schedule is available.	
19	Ventilation,	✓ General Ventilation, Illumination is good ✓ High noise areas are marked and necessary PPEs warning boards are	

	illumination and noise	displayed. ✓ Preventive maintenance vibration levels are checked for the abnormal vibrations in the equipments.	
20	Work environment monitoring system	✓ No abnormality in High Humidity, High Temperature environment is observed in the plant premises. Sample Audit Air, water and Noise Monitoring done regularly by TNPCB once in six month. Water sampled and reported Air sampled for (Ambient, Boiler Stack and DG stack, Plant stack etc.). ✓	
21	Prevention of occupational diseases including periodic medical examination	✓ Premedical and Periodical checkups have been conducted for the Employees. ✓ Canteen workers have undergone medical examinations. Certificates are available. Sample Audit Premedical examination done by OHC Doctor and if required testing done by outside lab as per doctor's recommendation.	

		Periodical Medical examination done once in Six month for all employees and canteen employees. Steps for COVID19 : 97 % employees are vaccinated. Contract employees are also ensured about vaccination. Visitors are also verified for Vaccination and then only allowed to enter the factory premises. Temperature verification done at entry point. Wearing mask is ensured.	
22	Safe operating procedures (SOP)	✓ Operating procedures, Process control parameter safe limits, Work instructions, Pipe line Color coding systems Gasket compatibility matrix systems are available. ✓ Master calibration certificate is available Warning boards: Available. But to display on both gates of Peso tanks. Need more display on Packing section and filtration area. SOP: displayed at very few places. Signage: Available. Safety posters: Available. Speed Limit: Displayed. 20 Km per hour.	

23	Work permit systems	✓ Factory has system for Safety permit to work. ✓ Work permit systems are used. ✓ Work permit is requested by the owner, Approved by the Shift in charge, Reviewed by the Executive safety and received by the concerned maintenance in charge. ✓ Lock out / Tag out System have been introduced and practiced. Types of PTW available as per OISD (Cold work, Height Work, Hot Work, Hazardous Work, Confined Space Entry, Excavation work and Electrical Work)	
24	Fire prevention, protection and fighting systems	✓ Fire Protection systems like –Fire Hydrant systems, Fire Hydrant systems, Smoke detectors, Sprinklers, Fire Extinguishers, Fire hose reels are available. ✓ Basic fire engineering like Passive fire protection metallic / asbestos roof and structure system is already built and maintained. ✓ Once in three month fire extinguishers are inspected and maintained in AMC through third party. ✓ Dedicated fire hydrant pumps are available. ✓ Fire fighting training and First aid Training is conducted.	

	✓ Hose reels are provided. ✓ Proper Loading and Unloading procedure is prepared in the flammable material handling area. ✓ Fire hydrant fitting and smoke detector under annual maintenance is periodically ✓ Walkie –Talkie check once in a month ✓ Eye wash shower is available. ✓ MIMC panel available. <u>Fire Water Pump House</u> ✓ Jockey pump, main motor pump, DG Pump is available. <u>Good Safety Practice</u> ✓ Fire Protection system flow chart is available ✓ Emergency escape route layout is available. Sample Audit 1400 KL fire water concrete tank storage with two Jockey pumps, EB power driven FW pump 273 KL/Hr, DG driven FW pump 171 KL /Hr capacity are available Manual call points, Fire alarms, Gas sensors in field for Aa are provided Gas sensor is tested with sensing value for alarm in Penta plant	
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		Operator and staff readiness for emergency is observed. Fire water emergency starts of all pumps at set pressures have been tested. Pump details – 2 Electric Main Pump, capacity = 4550 LPM and 2850 LPM 2 Jockey Pump, Capacity = 500 LPM and 171.66 LPM 1 Diesel Pump, Capacity = 4550 LPM	
25	Emergency preparedness plans (on-site/offsite)	✓ On-site emergency preparedness plan approval is available ✓ ON-Site Emergency plan is available. ✓ Assembly Point is available in the company. ✓ Plant layout available and displayed. ✓ Emergency preparedness plans are displayed.	
26	Process/plant modification procedure	✓ Procedure is available and practiced. ✓ HAZOP study have been Conducted for any kind of change in the Process / plant / method / material / Batch Changes.	
27	Transportation of hazardous substances	✓ Hazardous substances like Sulphuric acid, Caustic soda ✓ MSDS are available. ✓ The company has identified the hazards associated with transportation within factory premises and has adopted safety measures like warning signs, speed limits, two-way main roads,	

		specific parking bays. ✓ Alcohol inhalation check carried out for the drivers who carry hazardous material before entering to the factory ✓ Pre Entry and post entry inspections for the hazardous vehicle are in place. ✓ Proper Safety Instructions have been given to the drivers. ✓ HAZCHEM codes are available in the Haz material carrying vehicle, ✓ Spark arrestors are used for the vehicles entering to the factory premises. TREM card / MSDS – TREM Card available for Methanol, Acetaldehyde, Formaldehyde, HCl and Caustic lye	
28	Hazardous waste treatment and disposal	✓ Site has Effluent treatment plant with Zero waste management system and the plant comprises neutralization, clarification, settling pits to remove pollutants. ✓ The treated effluent is mostly re-used for chemicals preparation, process use. Part of treated effluent is let out to marine out fall ✓ Hazardous waste is stored in secured place and being sent to authorize recyclers.	

		✓ Stack monitoring system is installed and commissioned. ✓ Ambient air quality monitoring system is available to monitor the environment condition. STP – 45 KLD ETP – 250 KLD Stack Emission – Due on 25.09.2024 Ambient Air Quality – Due on 25.09.2024 ✓	
29	Safety in storage and warehousing	✓ Factory have stored ✓ methanol Bullet storage 200KL ×4 =800KL ✓ Above ground ✓ Acetaldehyde 75M³×2 ✓ Formaldehyde 200KL×2 ✓ Caustic Soda 200 KL×1 ✓ Dykes and containments are provided to control spillages. ✓ Proper color coding and signage have been provided. ✓ Proper fire protection system is provided ✓ Periodical inspections are carried out. ✓ Storages are monitored by the instrumentation as well as by the	

		operators. ✓ Emergency leak control PPEs are available ✓ Proper Ventilation, Illumination system is available for the storages. ✓ Confined vessel entry system is followed during maintenance of the storages. ✓ Emergency kit available with 20 m hose line with on-line respiratory system.	
30	Contractor safety systems	➤ Induction training is given by Security staff ➤ Contractor entry is controlled by Security by frisking. ➤ Regular Contract workers attendance register is maintained in security office ➤ Communication between new worker entry and to the safety department is in practice. ✓ Separate training programmes are conducted for contract workers. ✓ One hour is spent for the contractors on safety training. ➤ Contractor safety meeting is carried out. ✓ Proper access to height for the painters provided. ➤ All contract workers are trained, advised to observe safety at	

		workplace. Their work behavior is monitored. ➤ Lorry drivers shed is provided. Sample audit Medical fitness: Verified before joining. Periodical done once in Six month. Insurance: ESI ensured. Equipment inspection and permission at site: Before Haz.Work or Height work, Employee is tested by OHC and then permitted to work. Welfare facilities to the contract workers: canteen facility provided. PPE's are provided.	
31	Safety for customers (including material safety data sheets)	✓ Safety precautionary instructions are available in the Caustic Lye, Sodium hypo, Liquid chlorine, Hydrogen and HCL acid trucks. ✓ MSDS and TREM Card is issued along with Products and communicated for any change in the property of the chemicals. ✓ Hazard identification label also available.	
		✓ Budgeted amount: 1.25 Cr. (including Capex)	

32	Safety Budget	✓ Utilized so far : 70 % ✓ Balance : Planned for utilizing the balance 30 % for planned work in this year itself (by March -24)	
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PART – B2

Audit observations and recommendations – Area wise

S.No	OBSERVATION	RECOMMENDATION
<u>Methanol Storage:-</u>		
1	✓ Methanol storage capacity is 250KL × 4 ✓ Sprinkler system is available in the unloading ✓ Methanol unloading is automated with earthing. ✓ Cloth is used to higher the loading point form tanker coupling. ✓ Interlock earthing systems is available for the Methanol unloading pump. ✓ Fire water medium velocity spray for tanks with deluge system is provided, it is periodically tested. ✓ Floating Level measurement is available. ✓ Level transmitter is available. ✓ PVRV is available. ✓ Foam pourer is used. ✓ Dyke wall is available with rain water drain line. ✓ Wind sock is available.	1. Methanol storage dyke wall inside vegetation need removal. 2. Methanol storage tank bottom vegetation need removal. 3. 55 KL Methanol tank dyke inside pumps noticed need removal from the dyke wall inside. 4. Plastic buckets are not to be allowed inside the licensed area for secondary containment during unloading and aluminium buckets are to be used 5. Fire sprinkler system is provided in the unloading area but for cooling the tanker tyers sprinklers are to be provided

Reactor:-		
3	✓ Reactor is exothermic and outside water jacket is available. ✓ Reactor steam line has two valves SRV. ✓ TT and FT is available. ✓ Scrubber is available. ✓ Distillation column interlocked with 250° C with steam out. ✓ All the vents of the formaldehyde storage tank is connected to air blower suction. Formaldehyde Reactor	1. Formaldehyde plant concrete structures crack noticed need repair work. 2. Formaldehyde plant sump top cover plate highly corroded, need action for concrete slabs and warning sign. 3. Formaldehyde plant staircase highly corroded and week need action for renewal with grating. 4. Formaldehyde plant control room inside cable dressing needed. 5. Formaldehyde plant first floor structured packing's need removal. 6. Formaldehyde plant hanging unwanted steel supports need removal. 7. Formaldehyde Penta plant reactor area floor openings need grating.
Canteen:-		
4	✓ Premedical and periodical examination is conducted for the canteen workers.	

Penta Erythritol Plant

5	Penta : Formaldehyde and cau.lye is the main reactant and Acetaldehyde is the limiting reactant. Entire reaction Process operations are controlled by DCS. Raw Material ratios are monitored by flow meters and controlled by control Valves and interlocks available for pump to maintain the ratios. If the quantity in the vessel (11.97 MT is the batch size) is more than the batch size, the input will stop. If the quantity reaches 11.97 MT, the bottom outlet valve opens and product transferred to FG tank. Interlocks provided to maintain the feed, Maintain process temperature, chilling cut off based on temperature and time etc... Enunciator system is available in control room for all deviations. 4 operators in field and 8 operators in Control room per shift.	1. Penta Erithitrol plant Leaf filter area JB/Starter points un used need removal. 2. Penta Erithitrol plant top damaged roof sheets need renewal. 3. Penta Erithitrol plant multiple effect evaporator area roof sheets need renewal. 4. Penta Erithitrol plant Control room top cable dressing needed. 5. Crystallizer area approach platform need grating with handrails. 6. Penta Erithitrol plant stripper area floor opening need grating. 7. CBF exhaust blower area no platform for maintenance work , need action. 8. PVC vessel safety valve blinded condition noticed and SV not working. Need action. 9. New CVC bottom need grating
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DCS system is operated with user codes to avoid any sabotage. User tracking is available. VOC sensors provided near reactors for sensing leak of RM. The product is filtered in drum filters using vacuum and the product is collected through conveyor and send for drying. All automation. ✓	10.CBF filter area floor opening need grating. 11.Penta Erithitrol plant equipment's vessels, pipelines, rotary equipment's no adequate space for movement need detailed plant layout study and make arrangements for safe movement and maintenance. 12.Equipment's, vessels insulation sheets hanging need action. 13.Penta Erithitrol plant roof ventilators needed. 14.Penta Erithitrol plant control room UPS area need cable dressing. False ceiling need repair work. 15.Penta Erithitrol plant vacuum pump aquestic hood need repair work. 16.Fludised bed dryer section dust generation need control. 17.Sueco feed tank top need platform. 18.Sulfuric acid,Formic Acid Pumps inside dyke wall need action. 19.Mono feed tank T303,T302,T112 tank top need platform.
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		20. Bag filter area water logging noticed, need action. 21. Cooling tower not in use need removal. 22. Mono penta blower area need housekeeping, water logging noticed with slurry. 23. Tank 212 manhole opened condition for OFF spec material bag charging. Need hopper with strainer arrangement, 24. Sodium formate dryer area slurry noticed, need cleaning. 25. Floor wash collection sump need protection arrangement. 26. Mono, Di section need floor liquid accumulation noticed need cleaning. 27. Carbon column insulation sheet hanging, need action.
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Sulphuric Acid:

6	✓ Formic acid is in same dyke. ✓ Eye wash shower is available. ✓ E103, shell & tube heat exchanger drain line is	
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	kept over the head.	
<u>Dipentaplant:-</u>		
7	✓ Tech Erythritol product is filled in jumbo monoblock with suspended weighing machine lifting pendecitis permanent.	
<u>Electrical Department:-</u>		
8	<u>Transformer:</u> ✓ Two number of transformer is available. ✓ Transformer Capacity : 1500KVA ✓ Qualified electrician is available. ✓ B – license Holder : 4 ✓ C – license Holder : 4 ✓ Diesel Generator (DG) is available. <u>MCC I&II:-</u> ✓ Mock drill demo has been conducted by green global safety systems auditor ✓ Transformer oil – 22-06-2024 ✓ Thermal scan study done on 2018 ✓ Portable electrical equipments inspection for the	➤ Penta Plant MCC 2A/2B Ventilation have to be improved ➤ Thermal scan can be conducted every year

	- contractor is available ✓ FLP inspection check list is available ✓ Loto system is available ✓ Earth pit done on 03-11-2023 ✓ Totally 121 pits are available	
Mechanical:-		
9	✓ Preventive maintenance checklist is available. ✓ Vibration meter is available. ✓ Pump seal leakage checked every day. ✓ Safety belt is checked.	➤ Vibration analysis report shall contain stipulated limit value ➤ Online Air breathing apparatus is recommended at the hazardous chemical Bulk storage areas ➤ Color coding of pipeline system display is to be maintained ➤ Gasket compatibility matrix is to be displayed at the mechanical workshop and shopfloors ➤ Used gaskets , washers are to be dropped in a conical mouthed tin so that it cant be misused again .
Instrumentation Department		
	✓ Yearly 'PM' schedule is available ✓ Instrument interlock bypass register is available ✓ Interlock lift can be viewed by the engineer ✓ Master instrument calibration certificate is available	Process Interlock Hard copy is to be available at the control room and communicate to the concerned people. Flame proof Instrument Junction box and other related equipments are to checked atleast once in three months

	✓ Yearly 'PM' schedule fall on air regulation cleaning on November 2023 is verified ✓ Master instrument of PT by nagman fall on 19-02-2023 ✓ SRV test lift is available and tested once in a month 25-11-2023-acetaldehyde – 1A safety valve	
Acetaldehyde:-		
10	✓ Acetaldehyde storage ✓ Capacity : 75KL × 2 ✓ Acetaldehyde storage tank SRV isolation valve kept open and locked.	1. Acetaldehyde storage 75 + 75+ 100 Mt storage PV details/Labelling/Test date, Due date display missing in the bullets. 2. Acetaldehyde storage 75 + 75 MT old storage dyke wall inside flooring work missing. Need action with drain valve. 3. Acetaldehyde storage Bullet 1 Level gauge not working. 4. Acetaldehyde storage 75 + 75+ 100 Mt storage Safety valve vent pipes need without bends and arrangements for no hold up in the vent line. 5. Acetaldehyde storage 75 + 75 MT storage top roof broken

		sheets need renewal. 6. Acetaldehyde storage 75 + 75+ 100 Mt storage pump area eye wash/shower water flow is low. 7. Acetaldehyde storage Bullet 1 & Bullet 2 need thickness survey and painting. 8. Acetaldehyde scale tank PV details/Labelling/Test date, Due date display missing in the bullets. 9. MSDS Board display need TLV, LEL, UEL details. Need updation in the board. 10. Unwanted material noticed in the Acetaldehyde storage Bullet dyke wall area need housekeeping. 11. Nitrogen cylinder used for Acetaldehyde storage bullet blanketing, nitrogen header safety valve is not having vent pipe, need action for safe vent pipe. 12. Acetaldehyde storage Bullet 1 & Bullet 2 in between monkey ladder top plat form entry area nitrogen line crossing need rerouting to safely. 13. Acetaldehyde storage 75 + 75 MT storage interconnection to platform corroded checker plates noticed need renewal with GI gratings.
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		14. Caustic pump dyke inside open bucket caustic noticed, old collected carboys also noticed need action for removal. 15. Pumps need minimum gap in between pumps more closely erected no free space for safe maintenances.
	FORMALDYHYDE	1. Formaldehyde SS tank body leak noticed, need action for repair work. 2. Formaldehyde tank 101A/B top toe guard missing, need action. 3. Formaldehyde tank 101A/B monkey ladder not as per requirement it is below top roof height, need action for required height ladder. 4. Formaldehyde SS tank top inter connecting platform need grating. 5. Sodium formate (By product) storage carboys filling area no space for movement no evidence for first cum first dispatch. Need housekeeping segregation, lot control, free movement for movement.
FA plant:-		
11	✓ Critical instrument interlock register is available.	✓ Batteries are kept near electrical panel.

	✓ CRN testing and examination is carried out.	
Fire pump house:-		
12	✓ Jockey pump, main motor pump, DG Pump is available. ✓ Jockey and main motor for the hydrant systems ✓ DG pump for the sprinkler systems	1. Fire hydrant sump fully covered with coal dust, algae, water color is not good, need cleaning, if possible start physical cleaning or cover the sump with sheet or need filter to circulate the water thru sand filter to get clean water. 2. FH pumps with foot valve no provision for cleaning. 3. FH pump new suction is from middle of the sump no possibilities for for foot valve cleaning without reservoir level reduction less than 50 %.So need corrective action for this arrangement. 4. Diesel driven FH pump diesel tank need relocation to safe in the adjacent area. Diesel tank capacity display missing. Diesel FH pump diesel consumption per hour no display, no additional adequate diesel stock for immediate makeup. Need action. 5. Main Diesel storage tank area near by fence more vegetation, dry plants, grass noticed. 6. Main Diesel tank entry gate area FH point needed for emergency hose connection.

Water Treatment Plant:-		
13	✓ Power plant capacity is 1.5MW ✓ All fire extinguishers are maintained well they meet IS 15683.	1. WTP Acid /caustic tank area Eyewash /shower area n0 water flow, water line disconnected condition. 2. Unwanted equipment's, vessels, pipe lines , pumps need identification and take action for disposal to safe guard the assets to the company. 3. WTP cooling tower Fans running with abnormal sound with vibration ,need immediate action 4. WTP cooling tower top emergency switch stop switch placed unsafely need shifting to exit staircase area. 5. Mono/DI storage, filling area more cans, drums spillages, leaks noticed, need immediate action for housekeeping and safe operation. 6. ETP old CRT platform corroded top platform plate need renewal. 7. RO plant RO1 EB panel front water choked mate noticed, UF1 backwash water line leak noticed. Need action 8. Boiler control room Electrical panel front side electrical mat missing. 9. Hazardous waste storage shed inside as per labelling

		material not stored.
<u>Effluent Treatment plant:-</u>		
14	✓ Collection tank aeration tank is available. ✓ Clarifier 1 – setting tank 1 ✓ Clarifier 2 – setting tank 2 ✓ Multigrade filter is available. ✓ RO water plant is available. ✓ Cooling water is available.	
<u>Coal Power plant</u>		
15	Boiler: 2 boilers are in operation and are inspected by Boiler inspectors per statutory requirements. SRVs and PRVs are regularly inspected. Certified boiler operators are running the boilers. Coal yard: Sprinklers are provided with temperature sensors. Water monitors provided all around.	1. Old boiler inside unwanted material dumped need removal. 2. Turbine room Electrical panel area unwanted material dumped need housekeeping. 3. No Fire extinguisher in the Turbine room Electrical panel area/Running turbine area. 4. No fire extinguisher in the canteen cooking area LPG stoves/flame area. 5. No fire extinguisher in the LPG room outside for

		emergency use, 6. Coal crusher area more dust generation noticed need control action. 7. FH sprinkler provided in the coal storage yard is need change. Now it is provided with Automatic sprinkler bulb under this height it will not work effectively. Need corrective action. 8. Dust monitoring and control needed in the Penta plant and Coal handling area. 9. All conveyors list shall be available and mechanical guarding system is to be implemented and periodical inspection is to be conducted atleast once in 15 days 10. Coal Yard – concrete columns are severely damaged by the bull dozers and it has to be protected by installing metal barriers 11. Coal yard fire hydrant and sprinkler systems are to be maintaeind in good manner and checked periodically and maintain records 12. To prevent conveyor fire continuity , Zero load tripping system is to be installed
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		13. Power plant – boiler MCC room dust cleaning is to be done regularly or the door is to be locked
	Power plant: 2 power plants of 1.5 MW and 400 KW is in operation. The generated power is used for Captive consumption.	1. Turbine running area near by turbine three numbers pedestal fan noticed with unsafe wiring for cooling and air movement. Need turbine room top exhaust fans needed with free air movement by keeping open arrangement in the wall top. 2. Coal ash stored area need water spray arrangement. 3. Coal storage area need adequate sprinkler system. Need mobile monitors for emergency use. 4. Coal storage/handling area need flooring to avoid slippery 5. Coal dust/powder noticed more in the storage, need collection arrangement. 6. Sueco feed tank top plat form missing.

		7. Online air mask needed in the critical and strategic location.
	<u>Quality control</u>	
		1. Lab inside HOT plate room area two electrical points in the washbasin very nearby need relocation. 2. Lab GC room Old Box AC need removal. 3. Lab Methanol sample collection and disposal need control by proper collection and reuse arrangement with control to avoid miuse.

PART C

XII. Acknowledgments

We thank M/s. ASIAN PAINTS LTD, Penta Division, B5 - B10, SIPCOT Industrial Complex, Kudikadu, Cuddalore- 607005, Tamil Nadu. India. for offering an opportunity to carry out safety audit at their facility. We extend our sincere thanks to Managing Director,Head –Operations, Head –Maintenance, Head –HR & Admin, Manager – Safety, Manager –Environment,all Section Heads, all Employees and all Contract employees who contributed their Support to complete the safety audit effectively.

The courtesy and cordiality extended to the audit team of Green Global Safety Systems is highly appreciated.

XIII. References

- The factories act 1948 amended in 1987 and 2001
- The Tamilnadu Factories rules 1950.
- The Tamilnadu control of Major accident Hazards rule 2004.
- Dangerous machine regulation act – 1983 , Rules 2007
- **IS standards** IS 14489: 1998 and other applicable as in the table
- The Indian Electricity Rules 1956 and Act 2003.
- Manufacture, Storage & Import of Hazardous chemical Rule 1989 (2000)
- Petroleum Act 1934 ,Rules 2002
- Gas Cylinders Rule 2004 and SMPV 1981
- The Environment Protection Rules 1986
- The central Motor Vehicles Rules 1989 (2006)

Safety Audit LEGAL REGISTER				
Green Global safety systems		M.MEGANATHAN - Lead auditor		Date: 23.04.2024
SL NO	SUBJECT	Document Ref	validity	Remarks
1	Factory License	License -	Valid upto 31.12.2024	
		Registration	CDR00674	
	Form 2 – Under Fact Act	No Of Employees	108	
		Power	5259 HP	
		Occupier Name	Mr.Amit Single	
		Address	NO: 6A, Shantinagar, Santacruz (E) – Mumbai - 400055	

		Factory Manager Address Number of Pressure vessels Emergency plan approval Site appraisal approval Safety officer approval Factory medical officer approval	Mr.Rajendrababu No: 55, Thangasalai, Anna Nagar, Cuddalore – 607001. 30 Onsite Emergency Plan acknowledged on 11.03.2022	
2	Contract Labour Registration	Register number	CLA/R/CDR00674	

		Number of contractor	27	
		No of contractor more than 20 workers	05	
		Contractor License whose employees have Max number of Employees in the factory- One sample is ok	Sample attached.	
3	Plan approval Mention Latest Approval number	Latest changes if any Plan approval number		
4	Building stability Validity once in three years	Valid for 3 years		
5	Pollution control board Consent to operate	Air act Water act Hazardous waste authorization Public liability Insurance	31.03.2024 31.03.2024 31.03.2024 31.03.2025	

		Effluent water treatment capacity	250 KLD	
		Sewage treatment capacity	45KLD	
		Ambient air quality	25.09.2024	
		Stack emissions test	25.09.2024	
		Noise test	25.09.2024	
6	Weights and measures		Valid Upto 18.12.2025	
7	Packaging commodities rules			
8	Handling of Methanol Applicable to depots	Local panchayat approval		
9	Handling of Pesticides			
1	Fire Licenses		Valid Up to 13.02.2025	
1	Chief controller of Explosives	License to store		

		Class A CLASS b Class c Unclassified License to store in Buls (SMPV) License to fill (SMPV) Licesne to store in cylinders (Gas cylind rules)	Class A – 31.12.2027 Class B – 31.12.2027 Class C – 31.12.2027 Nil Nil Nil	
1	Boilers	Licenses Boiler Operators Competency	16 TPH – 19.07.2024 14 TPH – 13.03.2025 1 st Class & 2 nd Class Operators	
1	Thermic fluid Heaters	Testing and Examination Oil Coil		
1	Electrical	License CEIG Inspection compliance status Calibration of Electrical testing instruments	R45 – 08.02.2025 R30 – 17.01.2025 03.04.2024	

		Electrical competency of Employees	Class B and C license holders	
		Testing of Earthing "Testing of Transformer oil	27.03.2025	
		"Testing of Relays"	27.03.2025	
		Testing of Harmonics	Nil	
		Testing of Thermal scanning (optional)	New Gloves	
		Testing of PPES – Rubber gloves		
		Testing Cable insulation resistance	27.03.2025	
		Transformer Oil test	01.11.2024	
		Earth Resistance test		
1	Social Security	Provident Fund Number	CBTRY0027120000	
		ESI Ref	51000041850000301	
		Insurances		

		Others		
1	Walky talky	Approval from Ministry of communications	30/09/2024	License No. FP-2297
1	Lifting tools ad tackles inspection	Safety belt – once in six months Chains and ropes – once in an year Locomotives – once in year Pressure vessel UT High mast tower rope inspection Motor vibration tests Fork lift / Bull Dozers / Cranes / Battery operated stackers Operator License Operation Eye examination Vehicle insurance if any ‘ Third party Testing and examination	Next Due on 19.06.2024 Next Due on 19.01.2025 Next Due on 18.06.2024	

		Conveyors – Once in an year	Next Due on 19.01.2025	
1	Mechanical integrity of Pipelines	Pipeline test Storage tank wall thickness test Safety valve test Thermal Relief valve test Loading /Unloading hose/arm Test Storage tank immediate outlet valve tested details	Nil Next Due on 18.07.2024 Next Due on 19.010.2024	

Fire Protection System

Asian Paints Limited

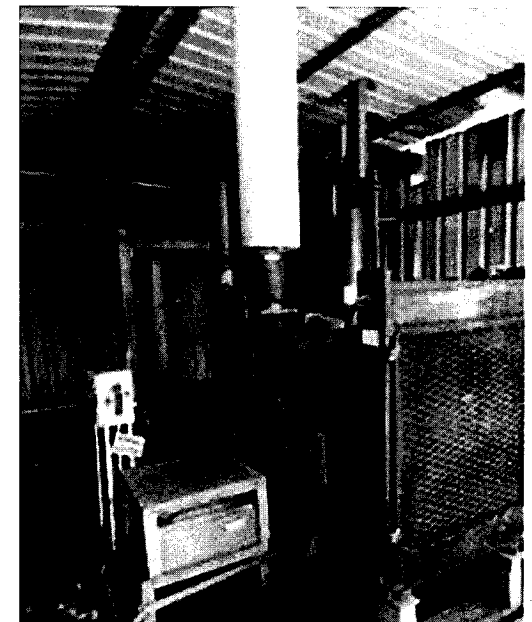
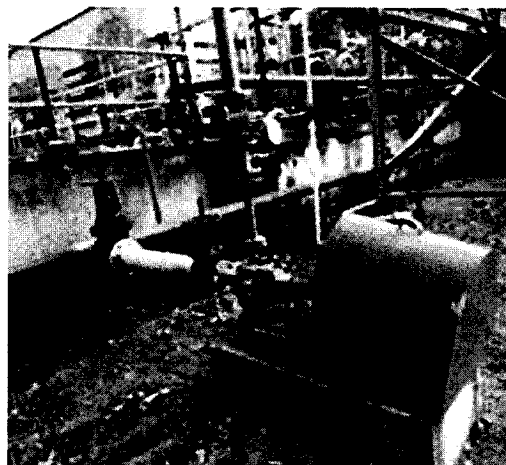
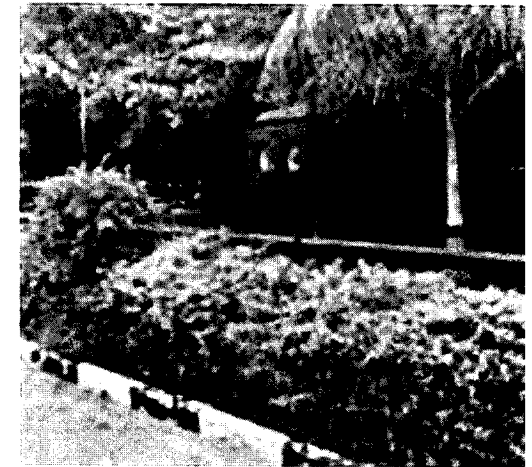
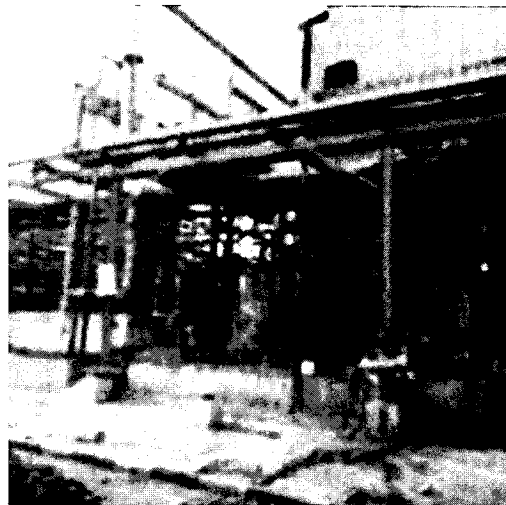
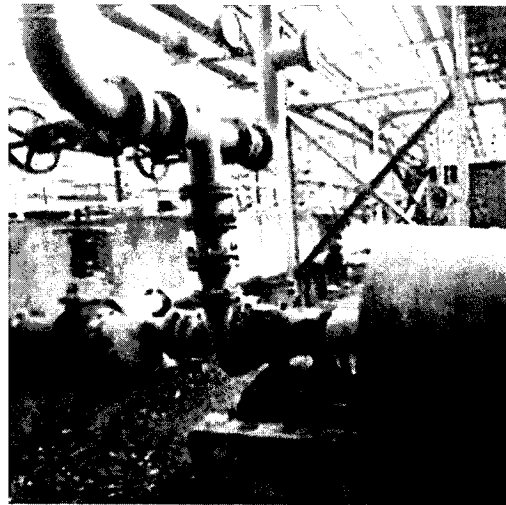
Penta Division

B5-B10, Sipcot

Cuddalore-607005

Fire protection system

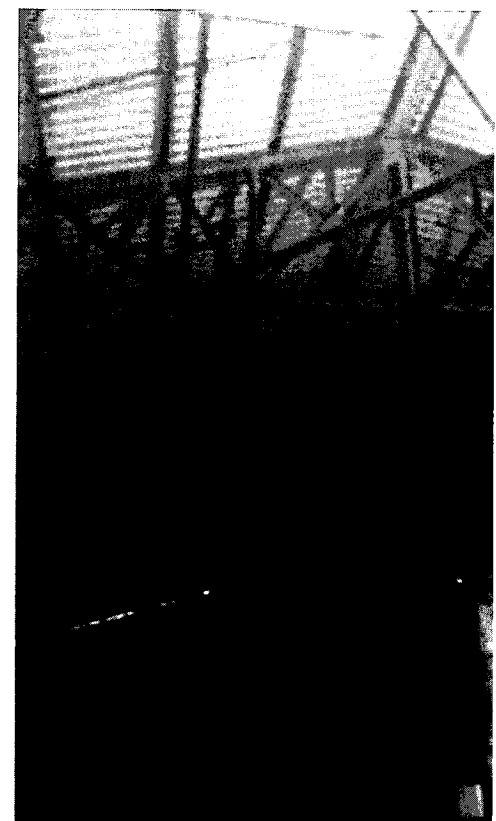
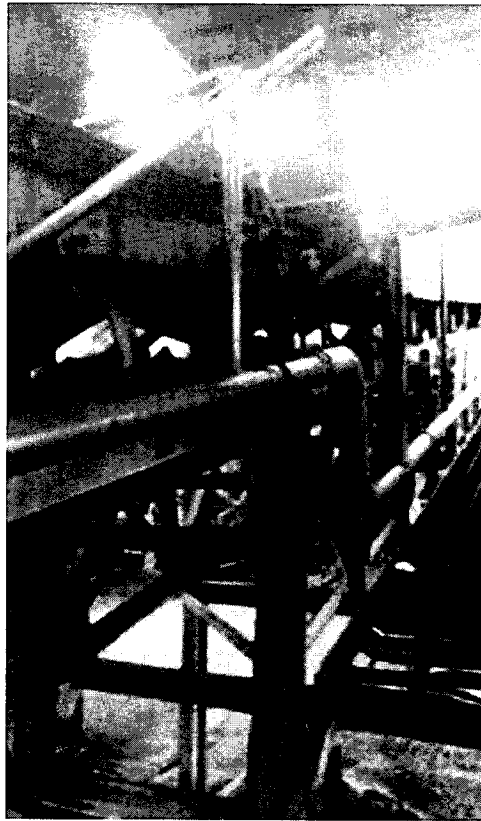
- Fully equipped Fire Hydrant system available with following facilities
 - Fire water reservoir of (1400 KL)
 - Electrically driven FH Jockey pump(15 m³/hr)-2 nos
 - Electrically driven FH main pumps(273 m³/hr) -1 no
 - Diesel driven pump(273 m³/hr)-1 no
 - Electrically driven FH main pumps(171 m³/hr) -1 no



Fire protection system

Fire Extinguishers of type CO2, ABC powder, Mechanical foam, Water CO2 and MAP Modular type installed throughout the plant



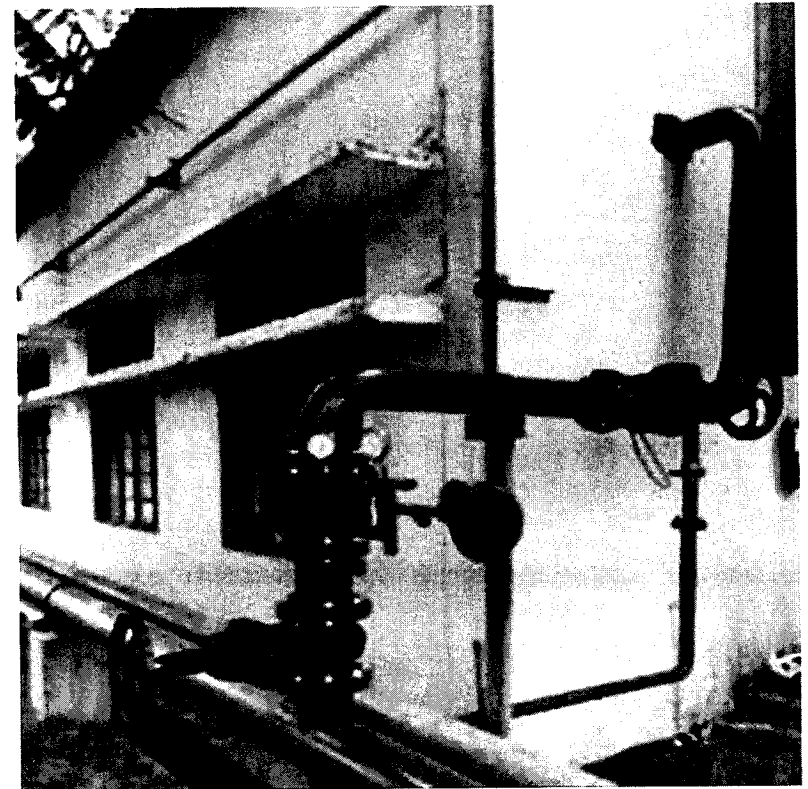


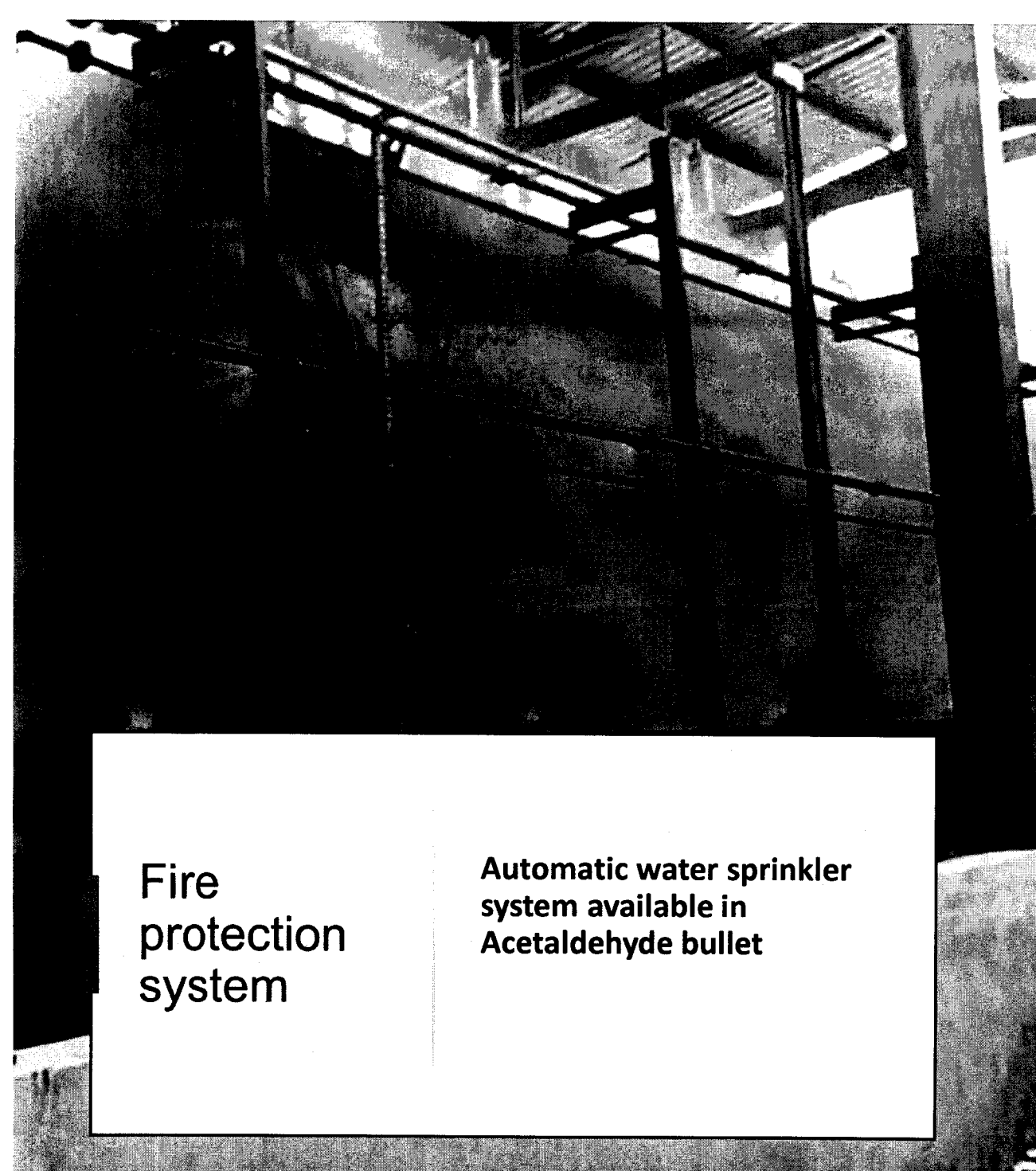
Fire protection system

- Automatic water sprinkler system in coal yard
- Automatic water sprinkler system available in Coal conveyors

Fire protection system

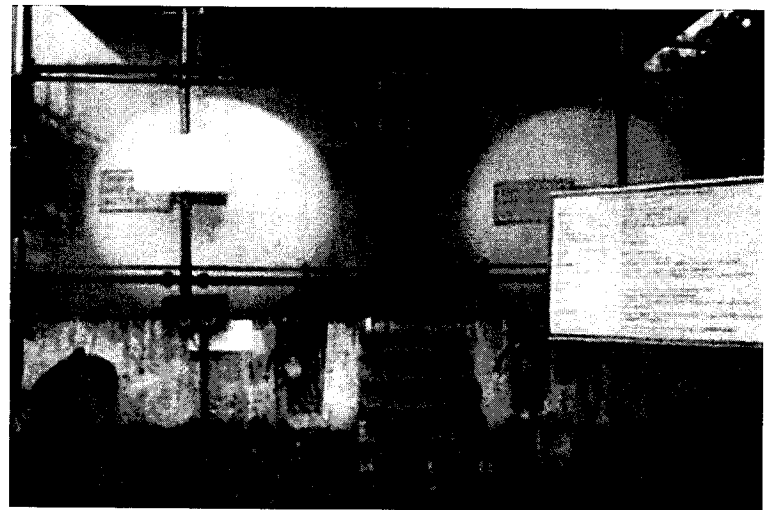
- Automatic water sprinkler system in FG storage warehouse





Fire
protection
system

**Automatic water sprinkler
system available in
Acetaldehyde bullet**



13



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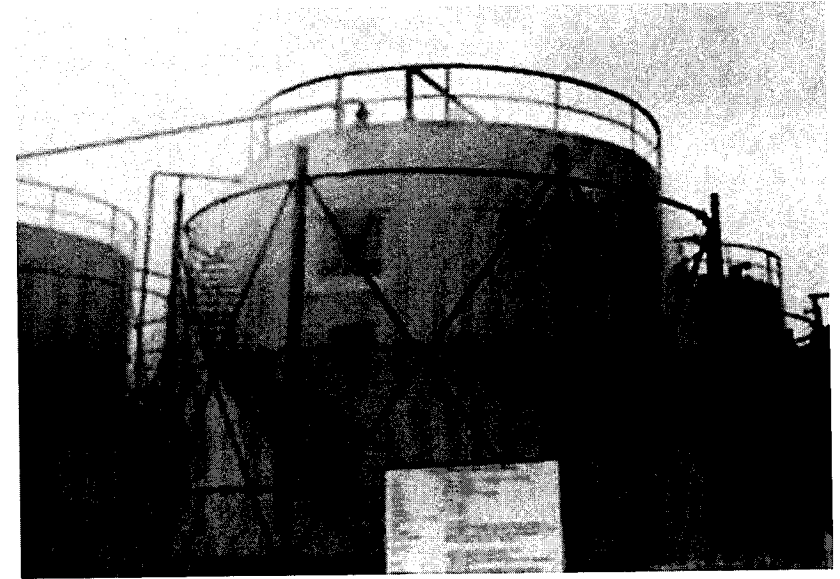


29°C



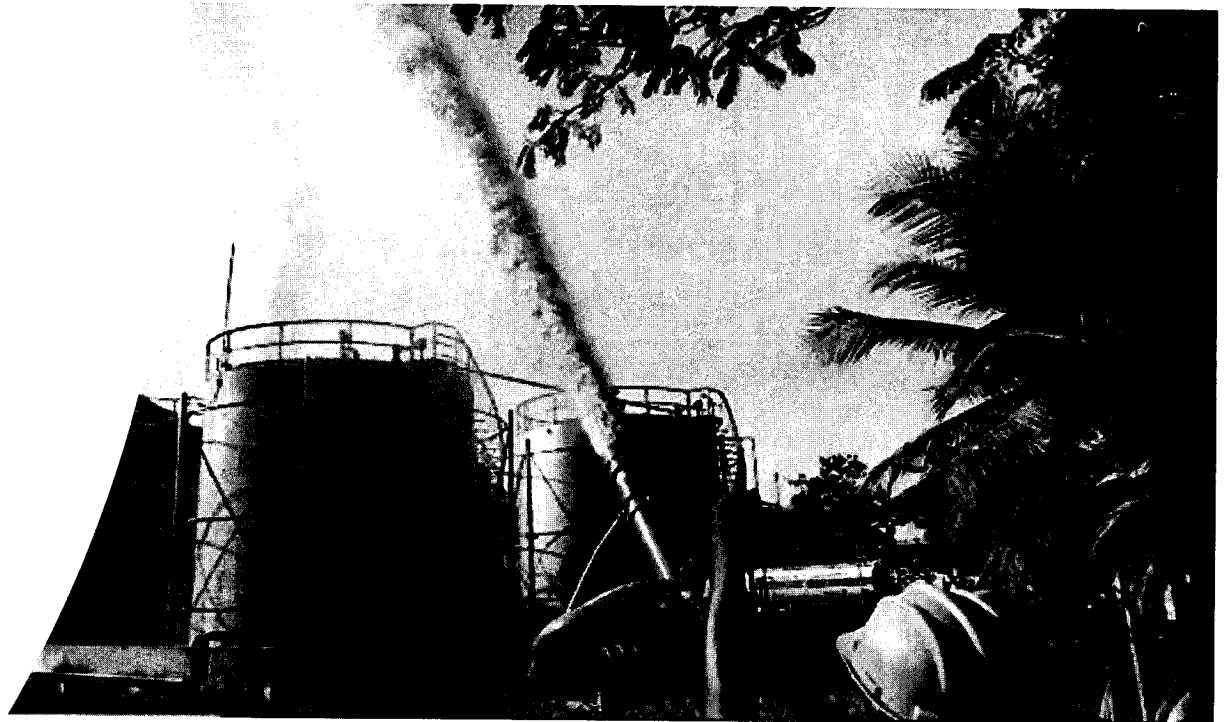
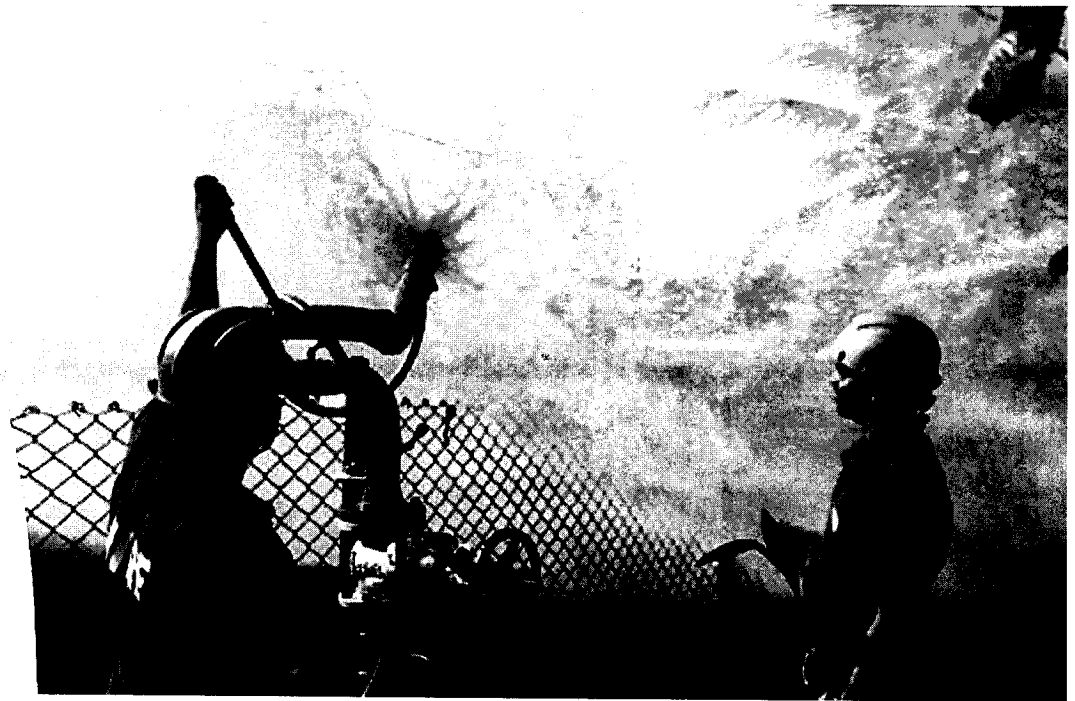
Fire protection system

**MVWS system and Foam pourer system
available in Methanol storage tank and tanker
unloading area**



Fire protection system

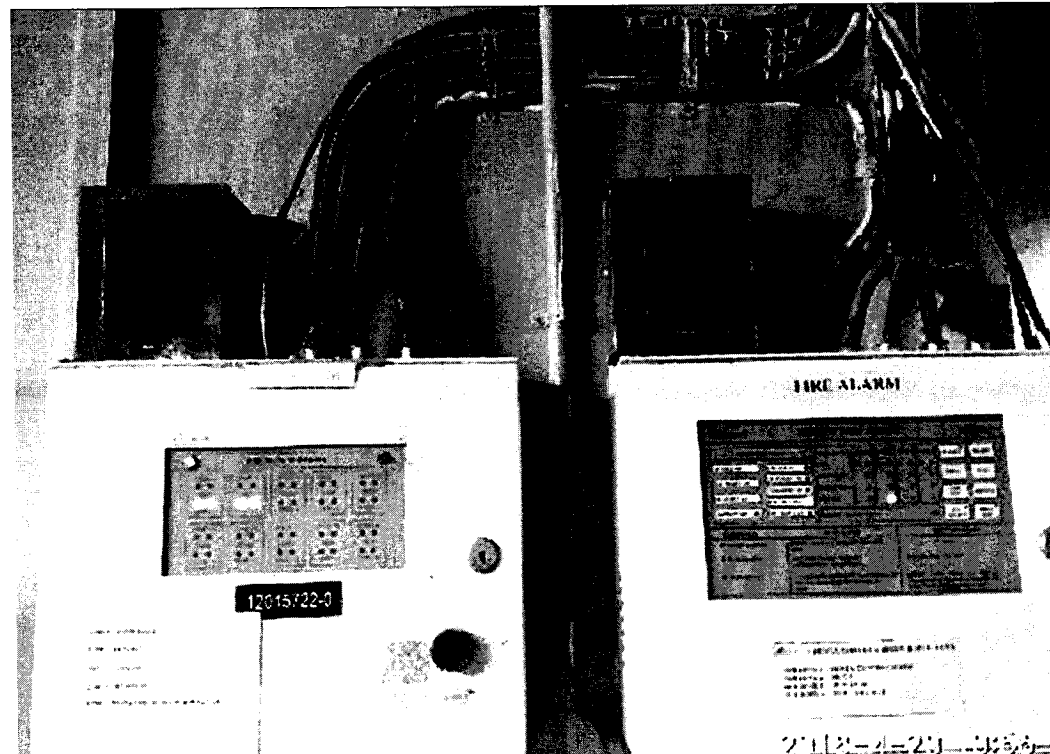
- Fire cum Foam pourer system available in Methanol storage tank and Acetaldehyde storage bullet

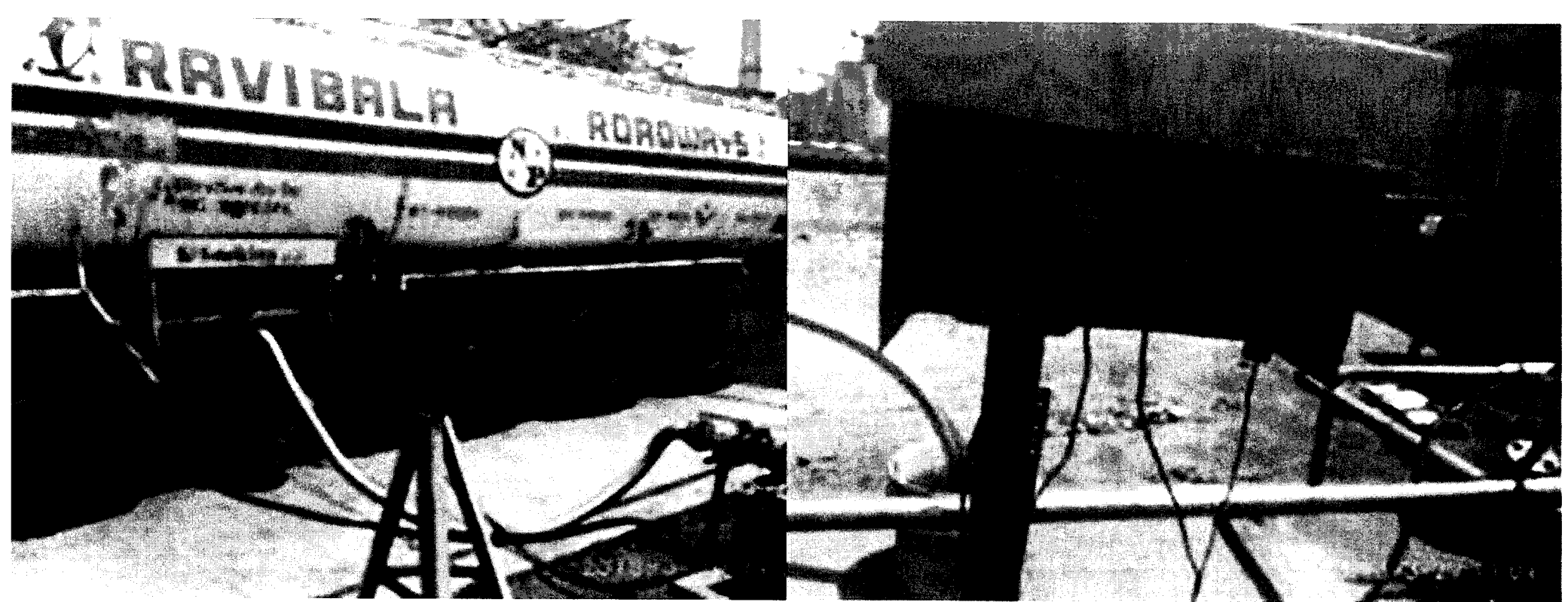




Fire protection system

- Fire alarm system with manual call points and hooter available



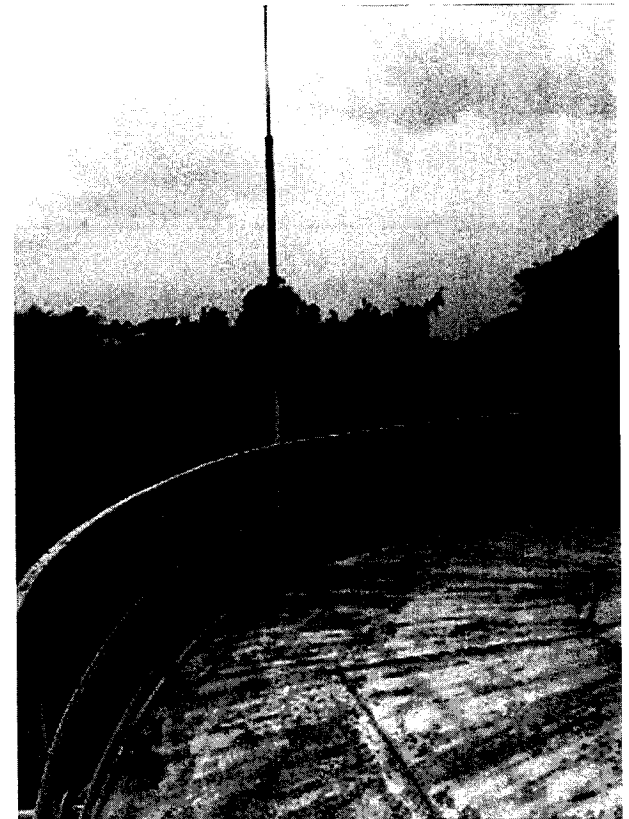
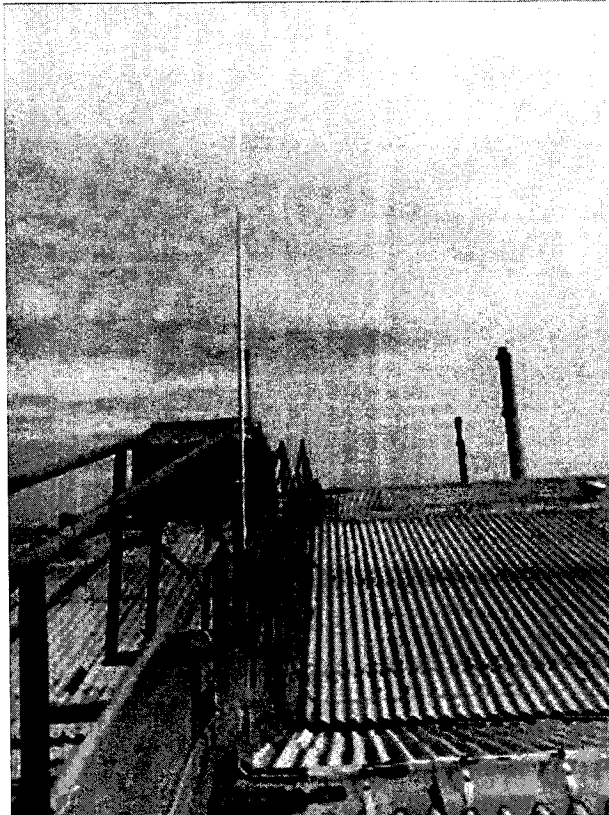


Fire prevention system

- Earthing interlock available for all Raw material unloading operations
- Flame proof electrical fittings available in Acetaldehyde, Methanol, Formaldehyde plant and FG bagging area
- Earthing continuity clamps available in Acetaldehyde and Methanol unloading lines
- Fire alarm system with Smoke detectors and Manual call points available

Fire prevention system

- Lightning arrestor provided in the following areas
 - RM storage,
 - RM parking area,
 - Penta plant
 - Ware house



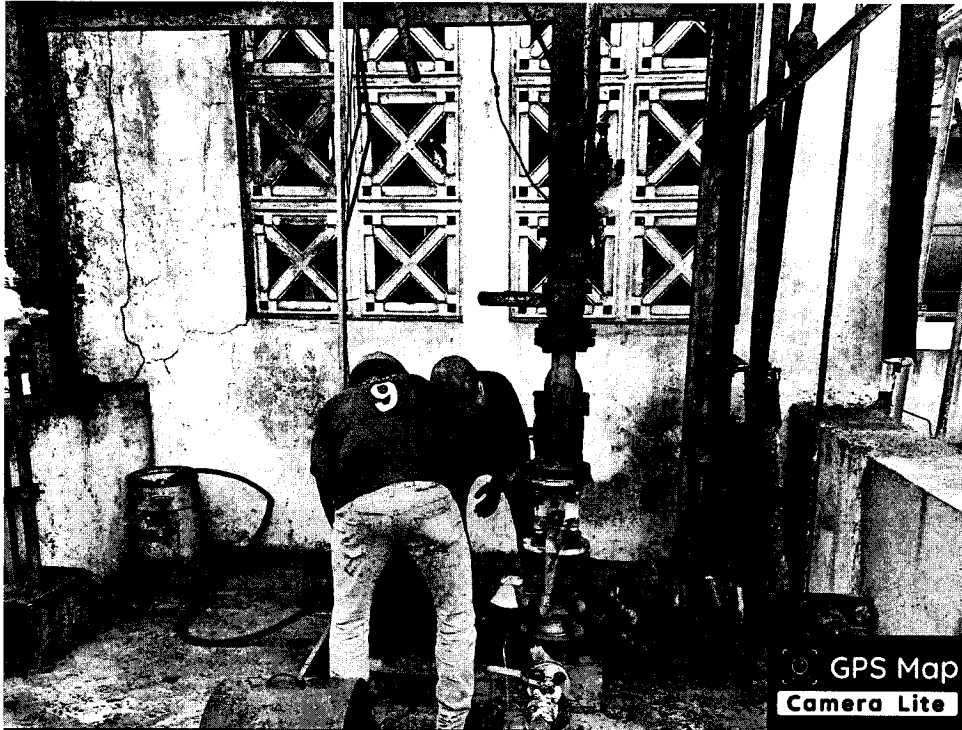
MOCK DRILL

DATE-25-02-2025

TIME-4.52 PM

AREA-ACETALDEHYDE BULLET TO DAY TANK PUMP AREA

**SCENARIO-ACCIDENTAL LEAK OF ACETALDEHYDE FROM THE PUMP DISCHARGE
PRESSURE GAUGE POINT**



Unnamed Road, Tamil Nadu 607005, India

Latitude

11.679298114031553°

Longitude

79.75311348214746°

Local 04:52:34 PM

GMT 11:22:34 AM

Altitude 6 meters

Tuesday, 25.02.2025

Contract Employee engaged in Maintenance Work



Unnamed Road, Tamil Nadu 607005, India

Latitude

11.679370324127376°

Longitude

79.75284408777952°

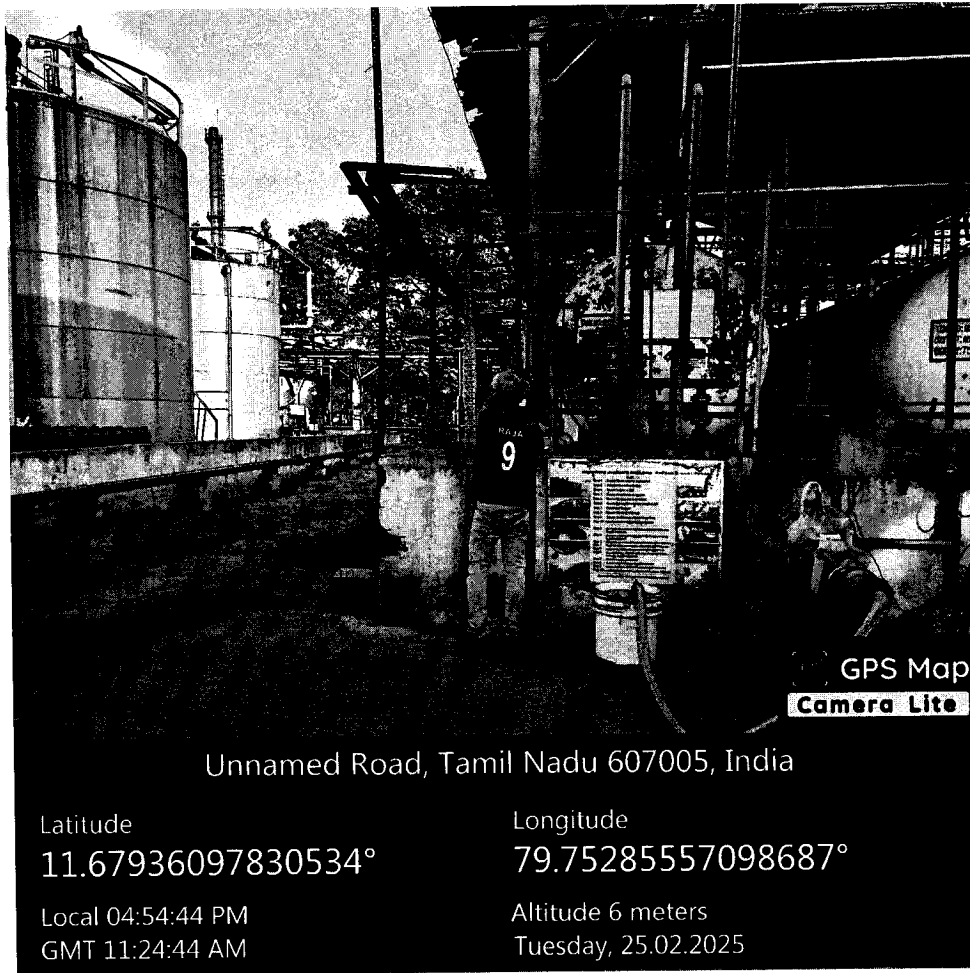
Local 04:54:22 PM

GMT 11:24:22 AM

Altitude 6 meters

Tuesday, 25.02.2025

Shifting of the affected employee to a safe location



Unnamed Road, Tamil Nadu 607005, India

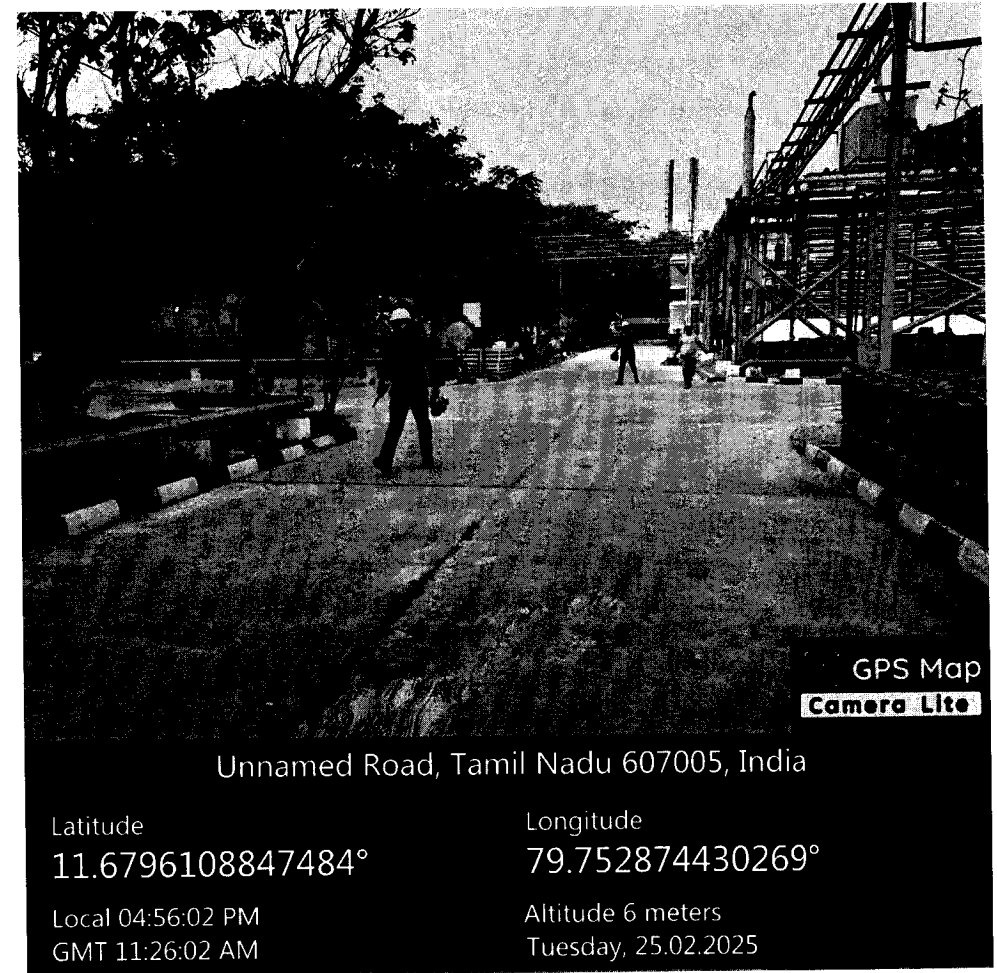
Latitude
11.67936097830534°

Longitude
79.75285557098687°

Local 04:54:44 PM
GMT 11:24:44 AM

Altitude 6 meters
Tuesday, 25.02.2025

Activation of the Manual Call Point



Unnamed Road, Tamil Nadu 607005, India

Latitude
11.6796108847484°

Longitude
79.752874430269°

Local 04:56:02 PM
GMT 11:26:02 AM

Altitude 6 meters
Tuesday, 25.02.2025

Arrival of shift in charge to the site



Unnamed Road, Tamil Nadu 607005, India

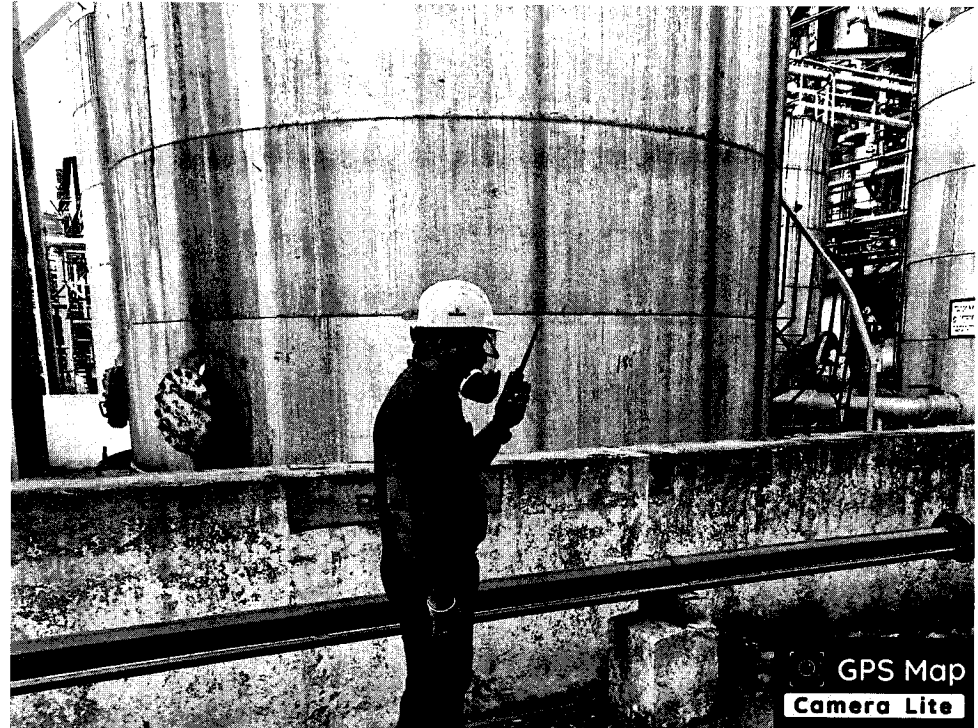
Latitude
11.679612561129034°

Longitude
79.75287518464029°

Local 04:56:09 PM
GMT 11:26:09 AM

Altitude 6 meters
Tuesday, 25.02.2025

Shift in charge assessing the condition of the affected person



Unnamed Road, Tamil Nadu 607005, India

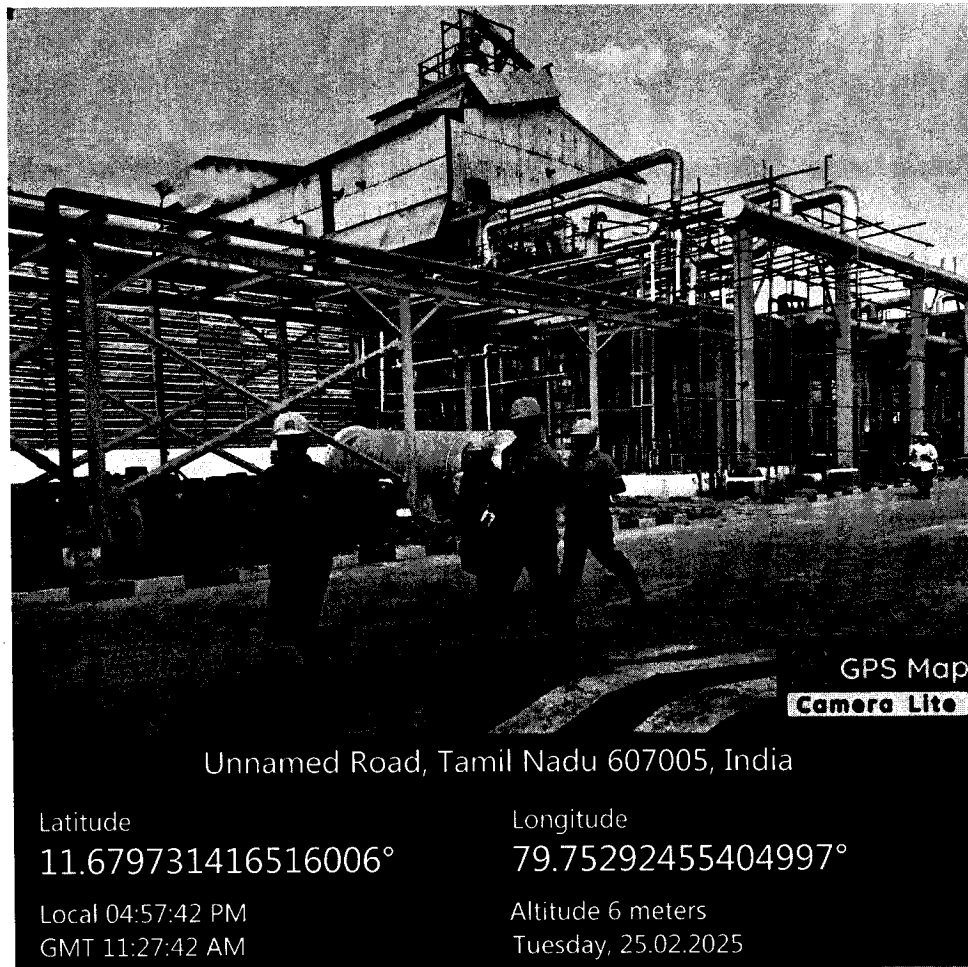
Latitude
11.679344424046576°

Longitude
79.75300451740623°

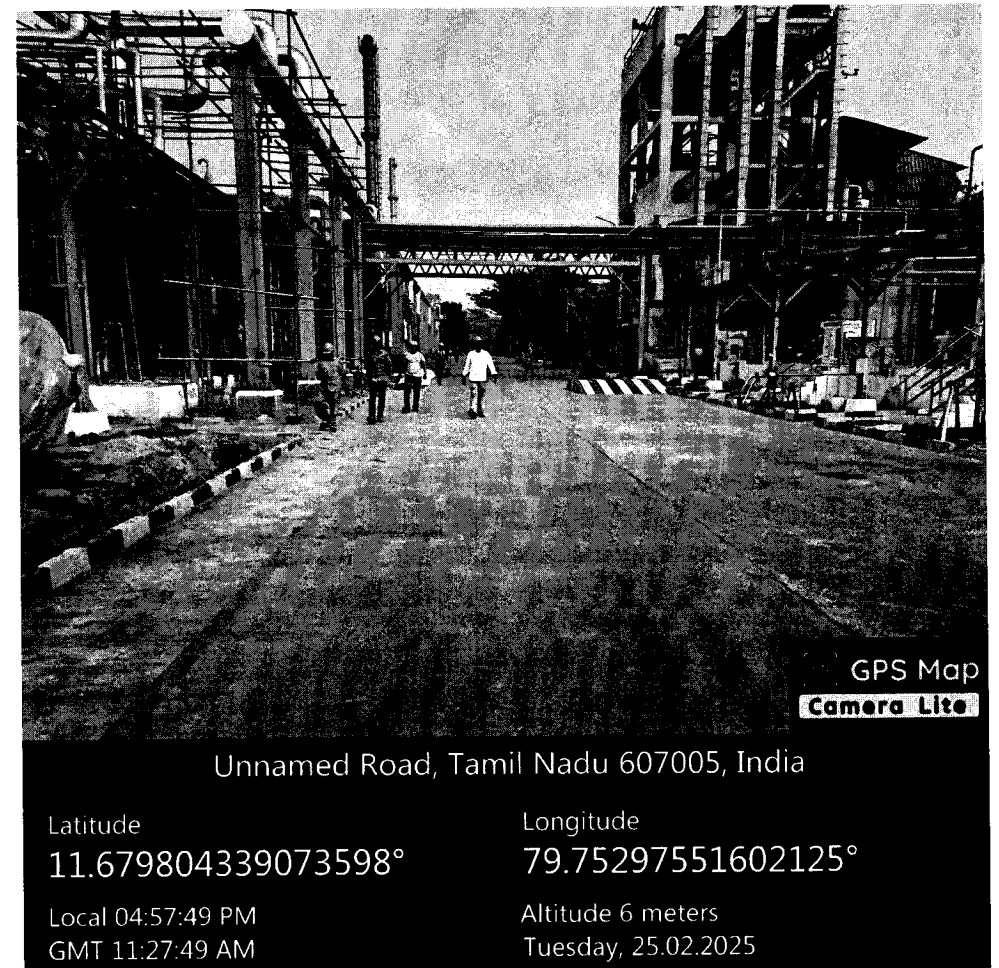
Local 04:56:44 PM
GMT 11:26:44 AM

Altitude 6 meters
Tuesday, 25.02.2025

Shift in charge assessing the site condition and declaring emergency



Emergency response team arrival at the site



Employees moving towards Emergency assembly point



GPS Map
Camera Lite

MQJ2+QFJ, Cuddalore, Tamil Nadu 607005, India

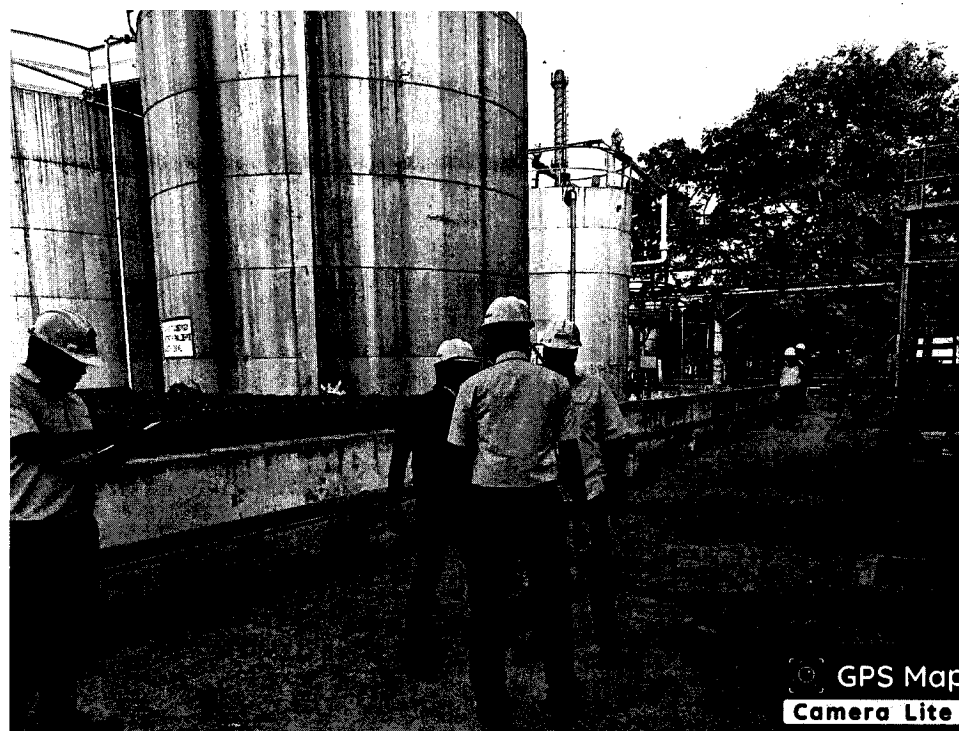
Latitude
11.6824536°

Longitude
79.7513785°

Local 05:01:45 PM
GMT 11:31:45 AM

Altitude 4 meters
Tuesday, 25.02.2025

Shifting of the affected person to OHC in Ambulance



GPS Map
Camera Lite

Unnamed Road, Tamil Nadu 607005, India

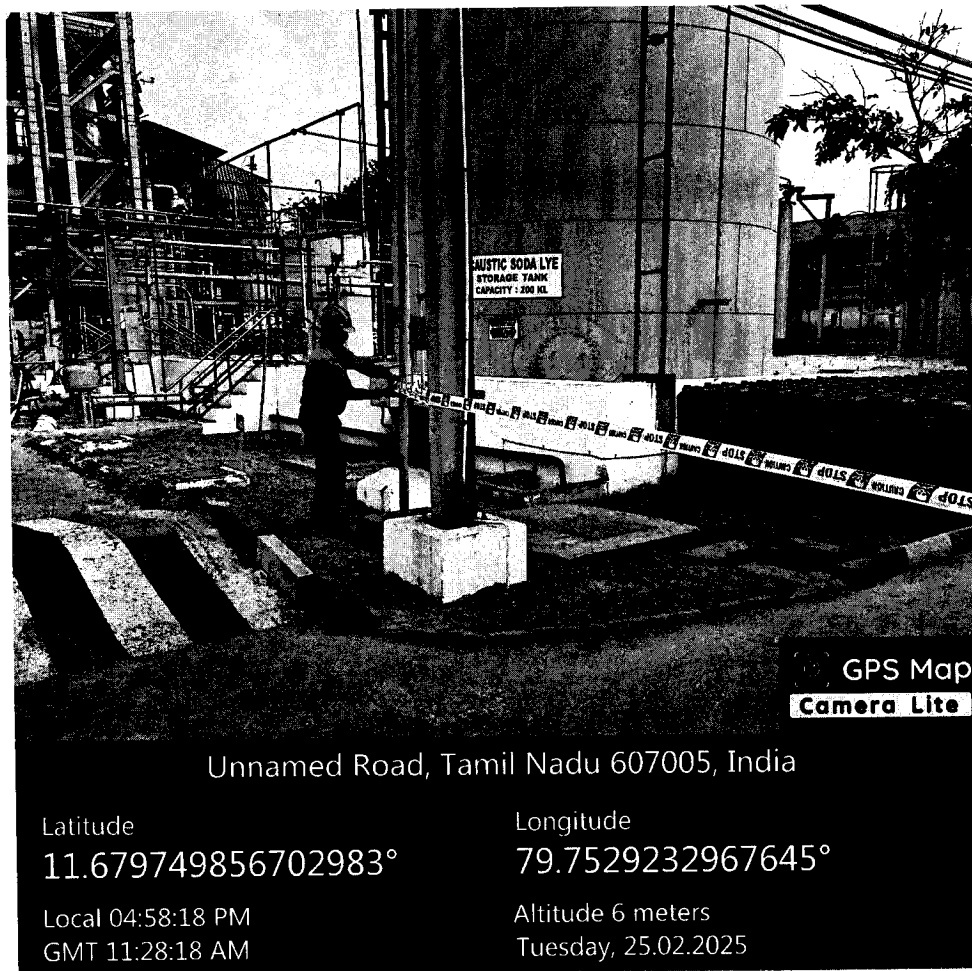
Latitude
11.67939396109432°

Longitude
79.75297786295414°

Local 05:03:46 PM
GMT 11:33:46 AM

Altitude 4 meters
Tuesday, 25.02.2025

Assessment of the Site by the Incident Controller and Safety Coordinator



Emergency site cordoned off



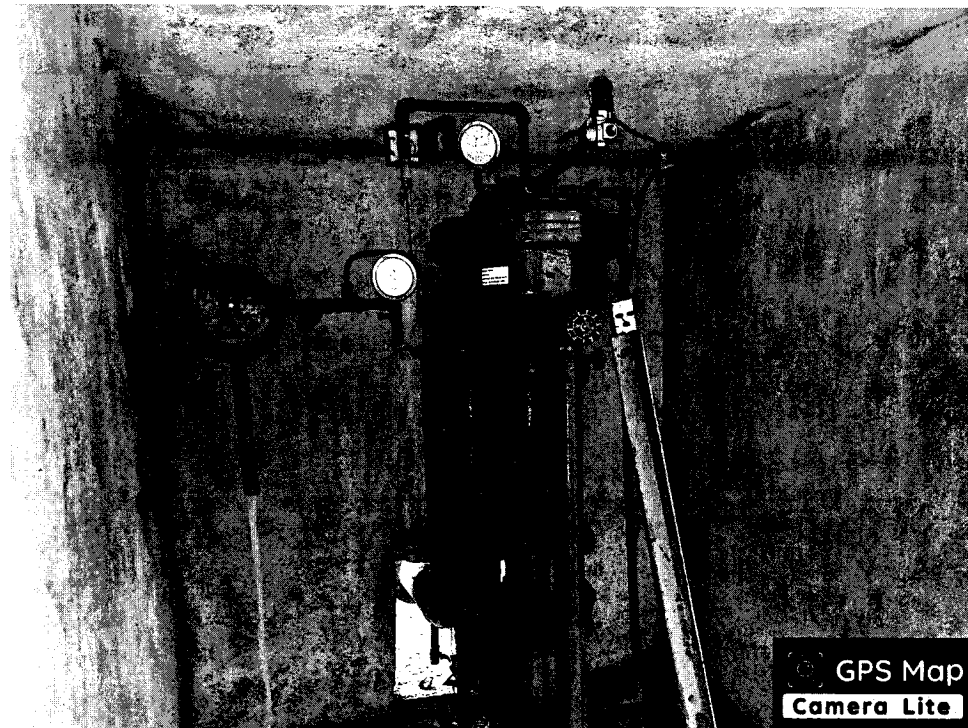
JDISH assessing the usage of ELBA



Unnamed Road, Tamil Nadu 607005, India

Latitude	Longitude
11.67931068688631°	79.75315564312041°
Local 05:08:34 PM	Altitude 6 meters
GMT 11:38:34 AM	Tuesday, 25.02.2025

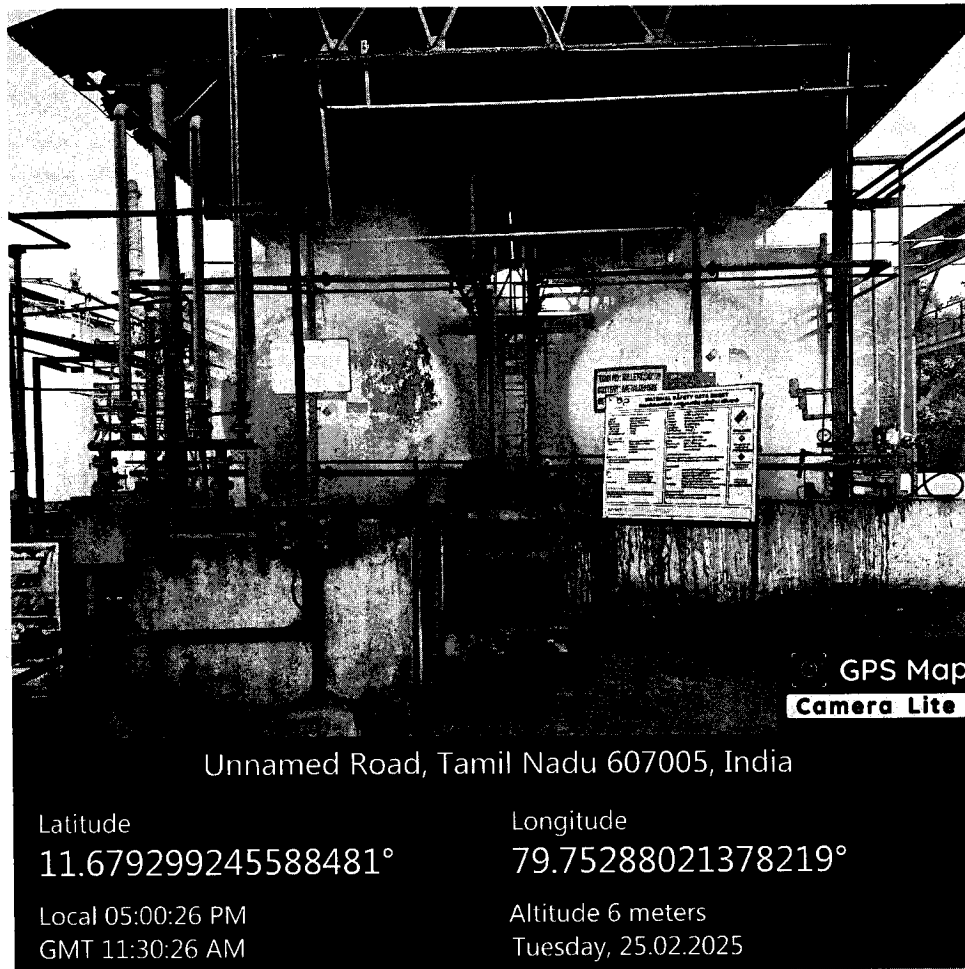
Incident Controller explaining the Emergency scenario to
JDISH



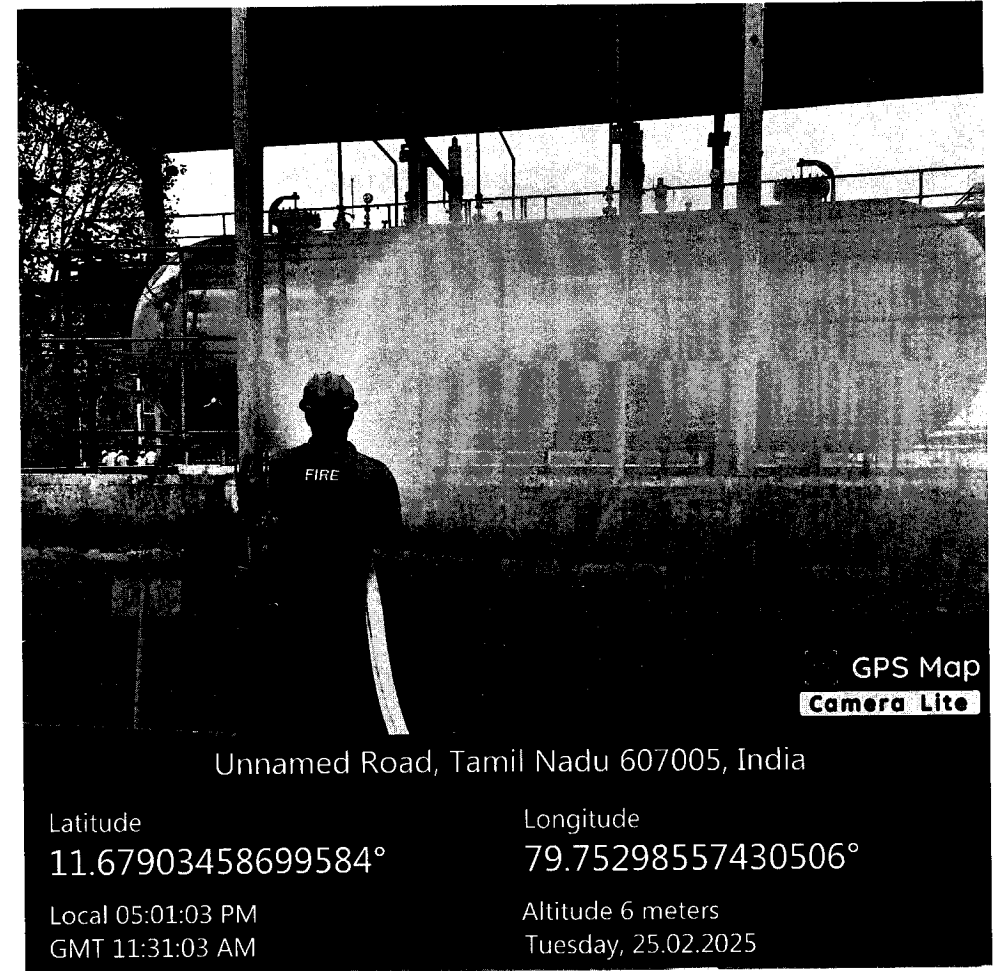
Unnamed Road, Tamil Nadu 607005, India

Latitude	Longitude
11.679250923916698°	79.7532425634563°
Local 04:59:47 PM	Altitude 6 meters
GMT 11:29:47 AM	Tuesday, 25.02.2025

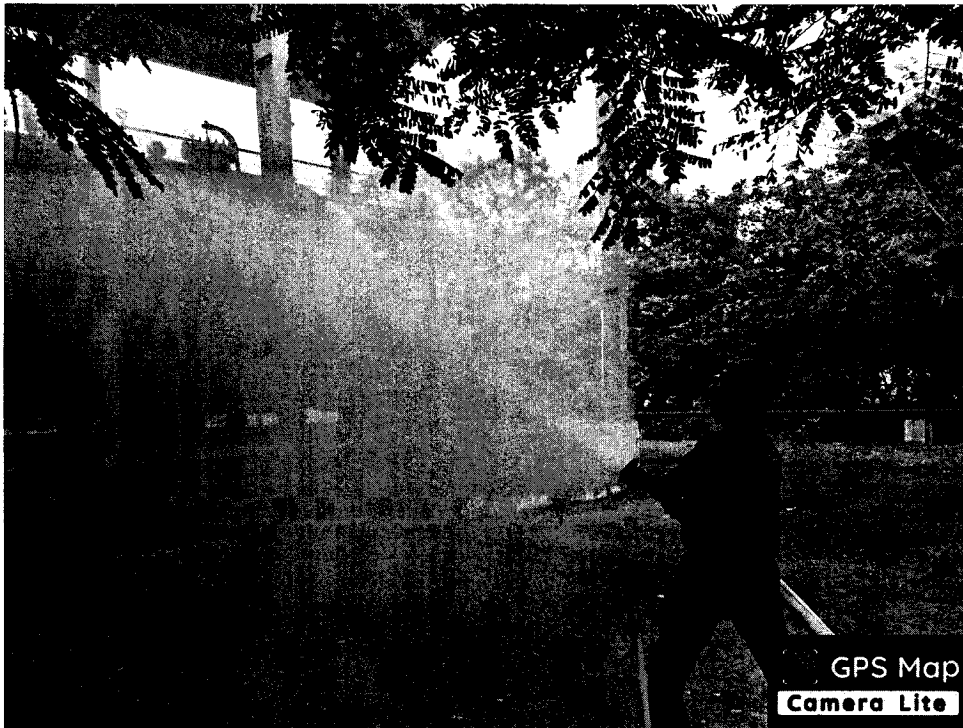
Activation of Medium Water sprinkler system



Medium Velocity Water sprinkler system operation in
Bullet-1&2



Cooling of the Bullet-3



Unnamed Road, Tamil Nadu 607005, India

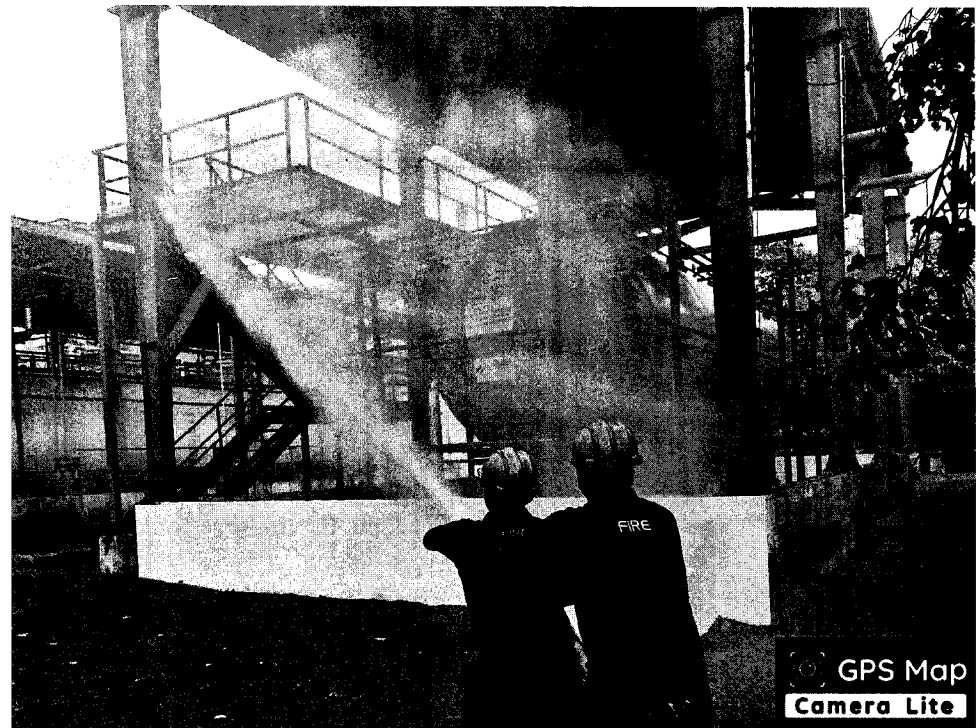
Latitude
11.679042633622885°

Longitude
79.75291315466166°

Local 05:00:52 PM
GMT 11:30:52 AM

Altitude 6 meters
Tuesday, 25.02.2025

Multi nozzle Fire sprinkler operation in sprinkler mode



MQH2+G9G, Cuddalore, Tamil Nadu 607001, India

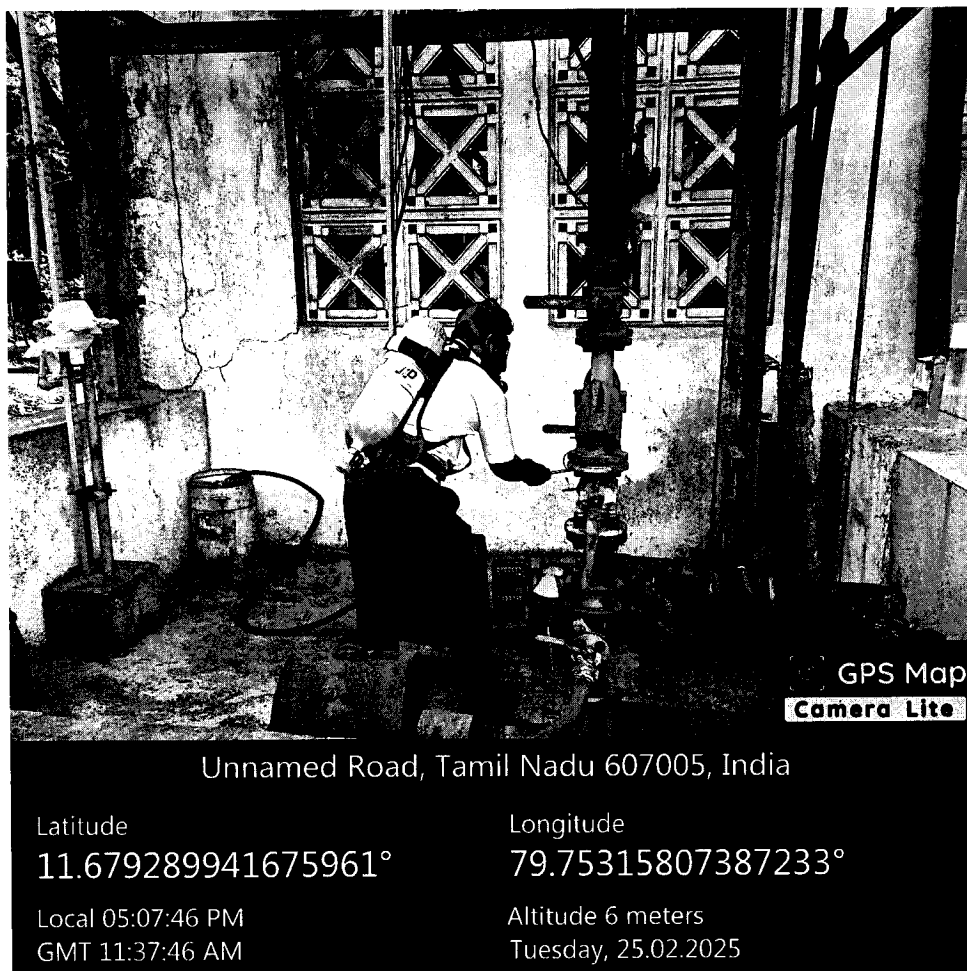
Latitude
11.679128338582814°

Longitude
79.75281030870974°

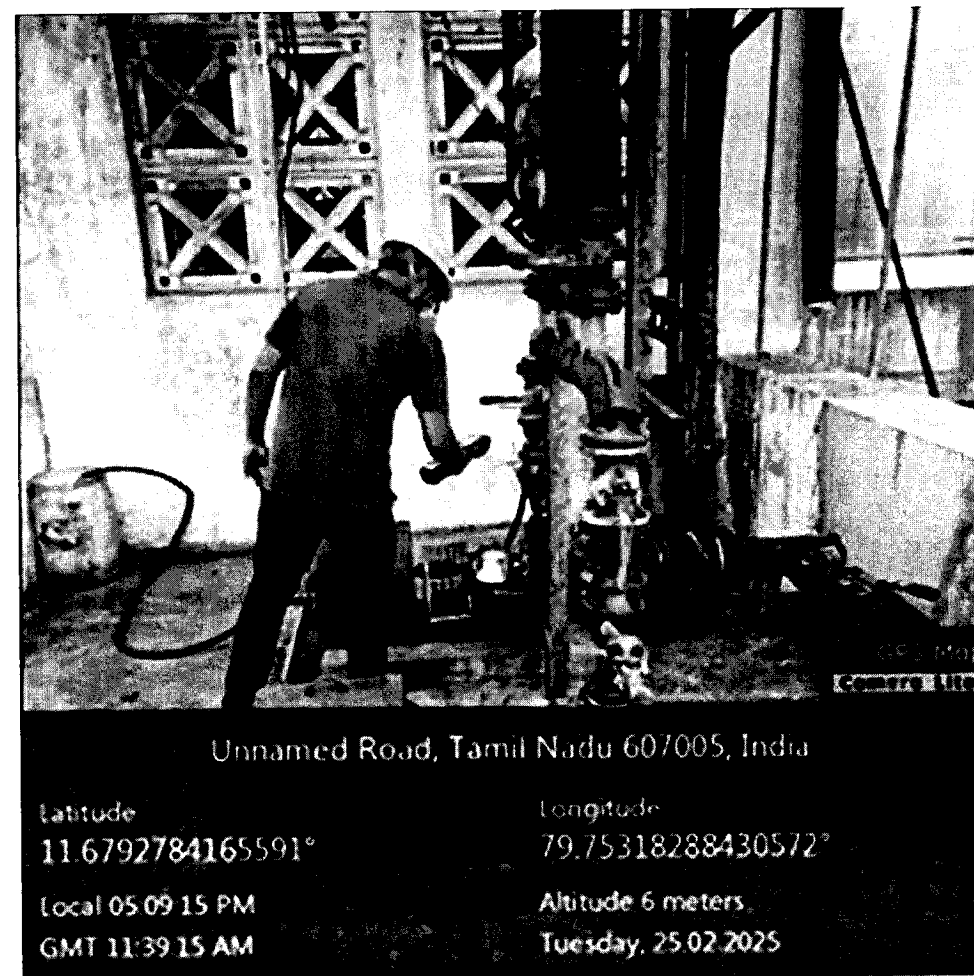
Local 05:05:53 PM
GMT 11:35:53 AM

Altitude 6 meters
Tuesday, 25.02.2025

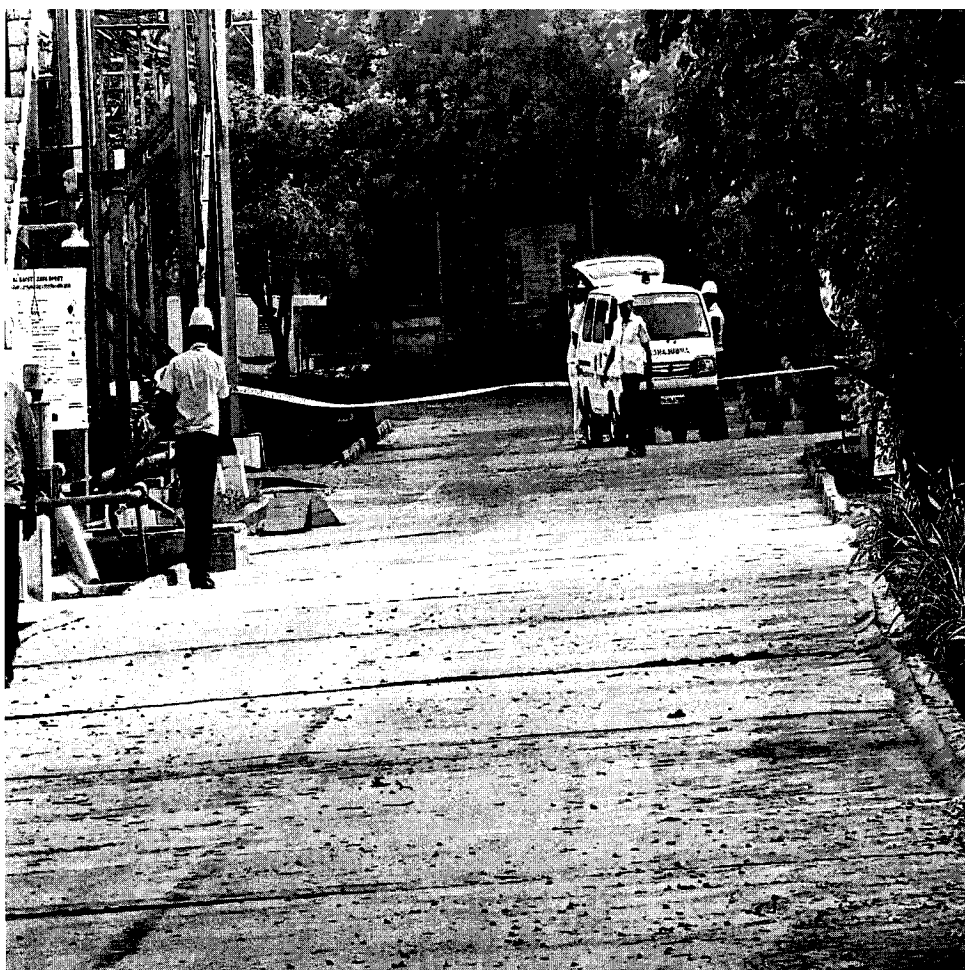
Multi nozzle Fire sprinkler operation in hydrant mode



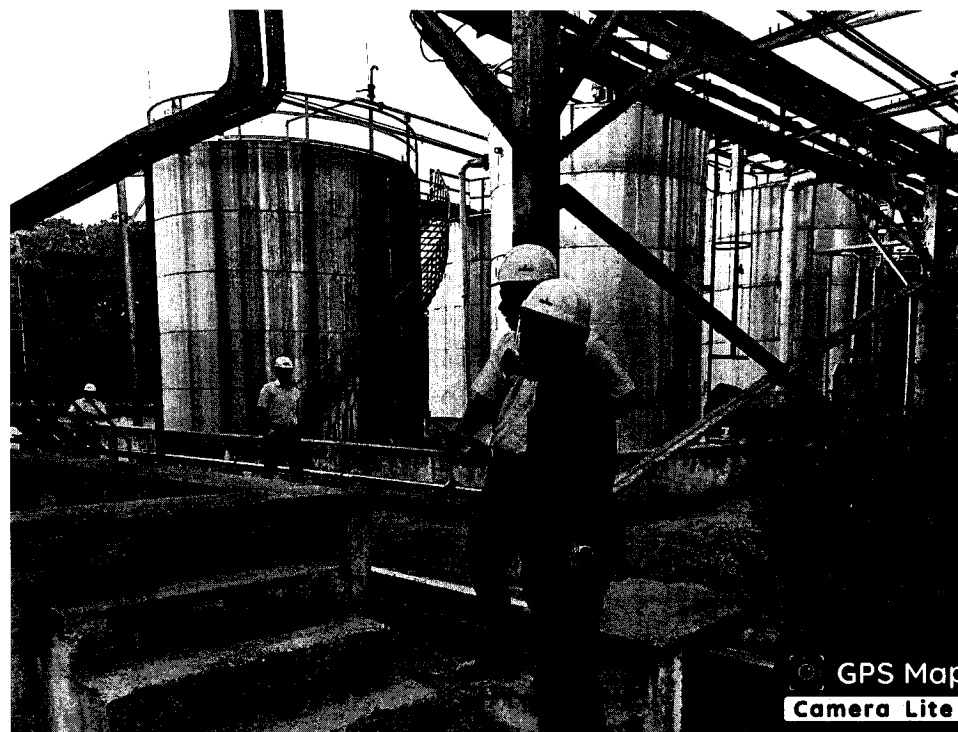
Fitter arresting the Acetaldehyde leak wearing SCBA(Self Contained Breathing Apparatus)



Assessment of the area for presence of Acetaldehyde using a portable VOC sensor



Ambulance at the site to carry any affected persons



Unnamed Road, Tamil Nadu 607005, India

Latitude

11.679251594468951°

Longitude

79.75313032977283°

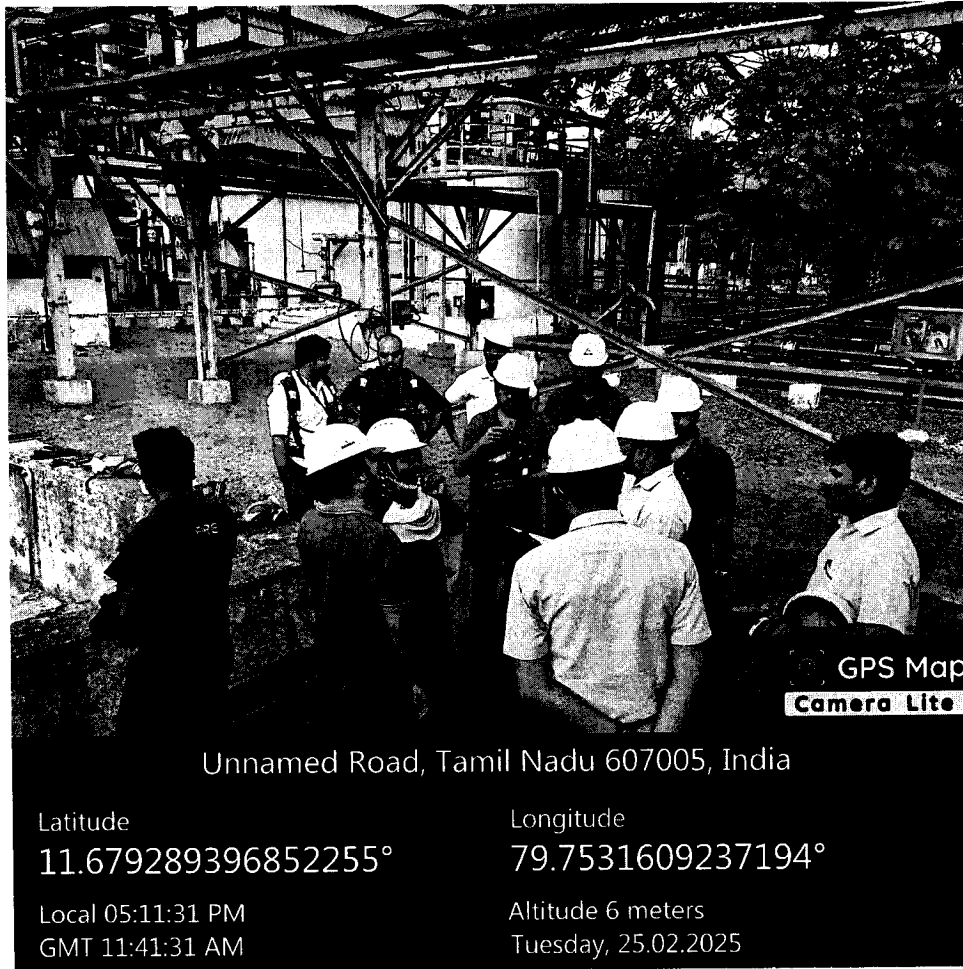
Local 04:59:15 PM

GMT 11:29:15 AM

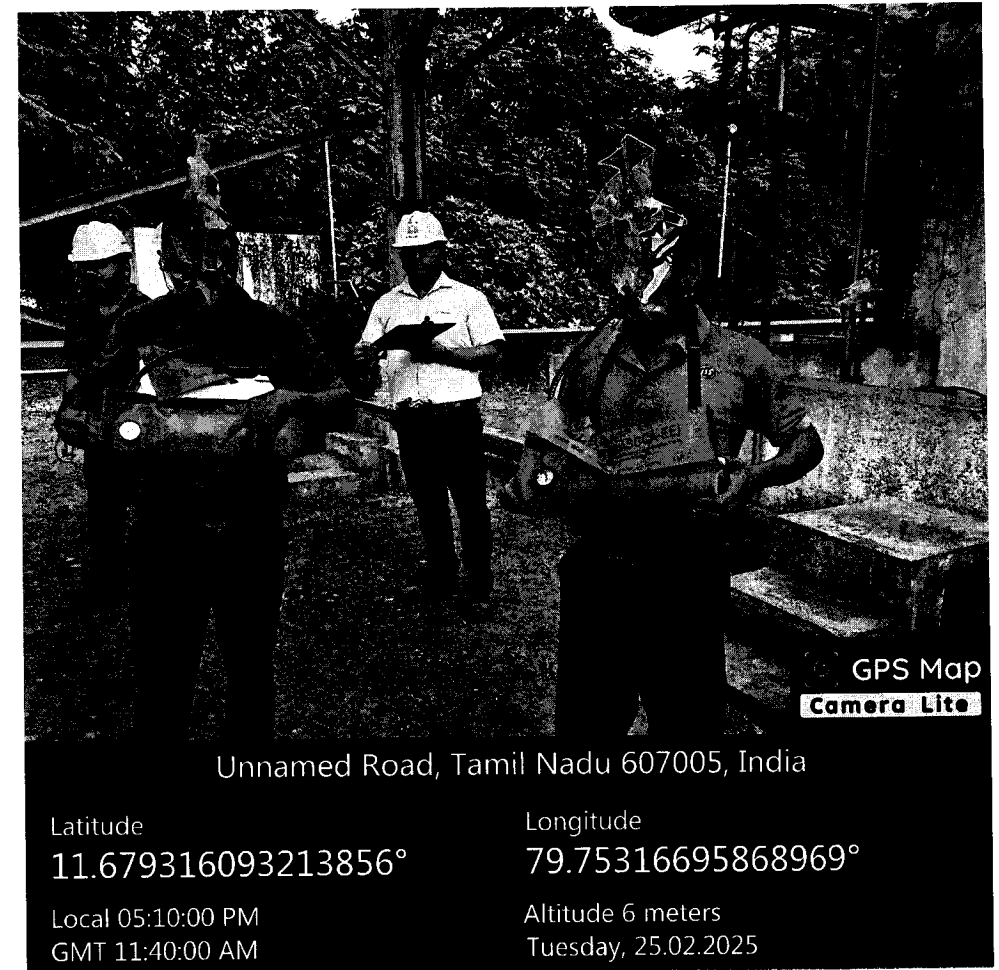
Altitude 6 meters

Tuesday, 25.02.2025

Assessment of the area for presence of Acetaldehyde using a portable VOC sensor



Assessment of the area by Incident controller along with Safety Coordinator after arresting the Acetaldehyde leak



Emergency Response Team(ERT) with ELBA to handle rescue operations



Unnamed Road, Tamil Nadu 607005, India

Latitude

11.679360433481634°

Longitude

79.75272766314447°

Local 05:01:36 PM

GMT 11:31:36 AM

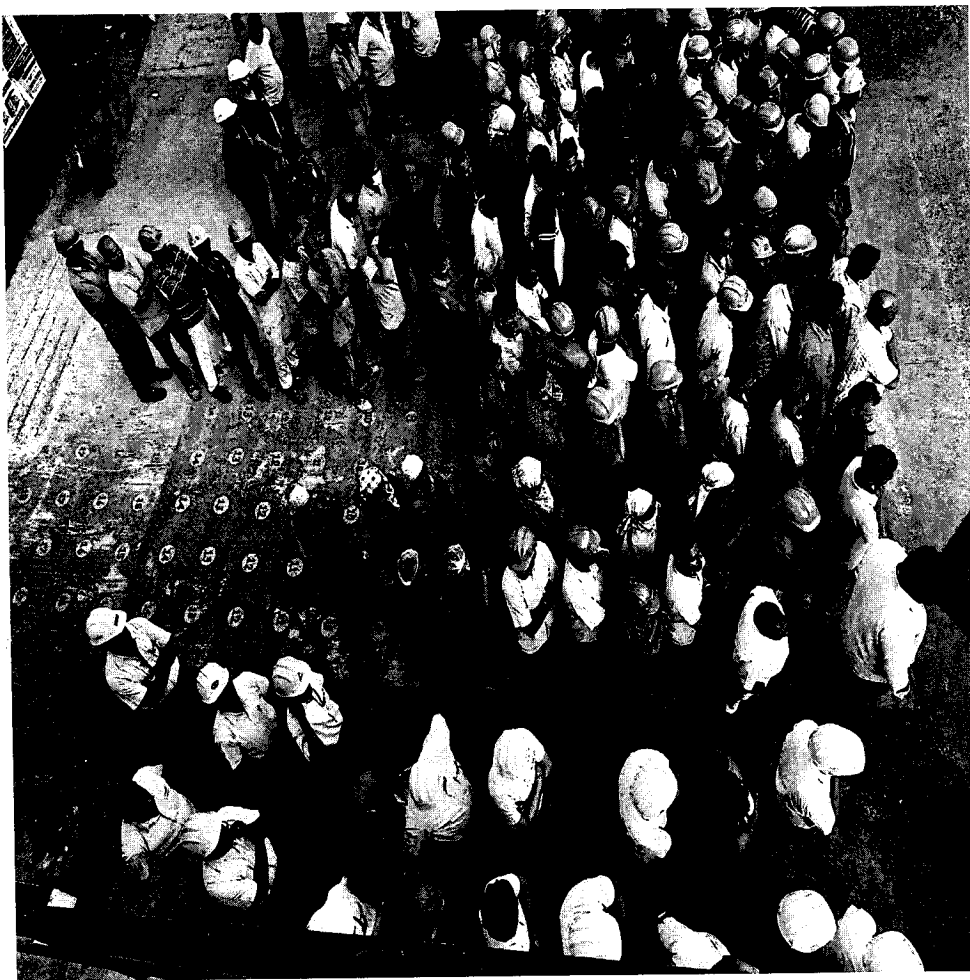
Altitude 6 meters

Tuesday, 25.02.2025

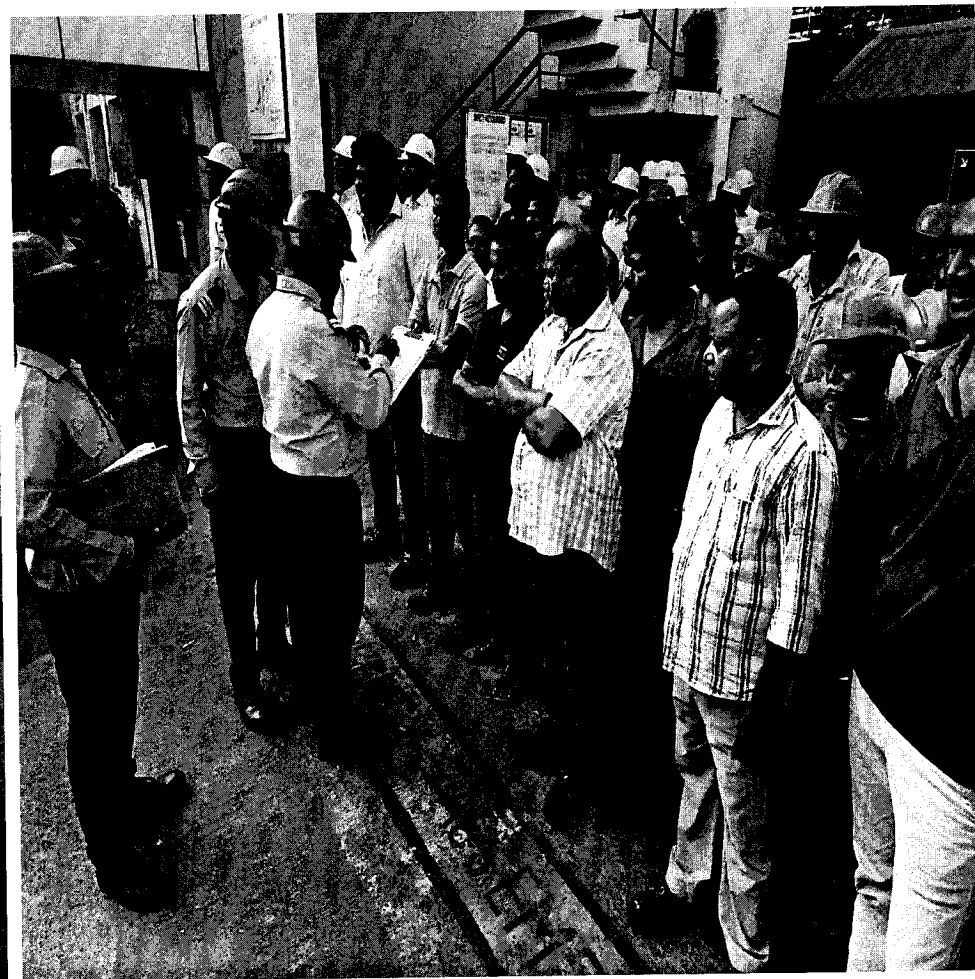
Chief Emergency Controller assessing the site



Chief Emergency Controller assessing the Head Count at
Emergency Assembly point



Employees assembled at Emergency Assembly Point



Head count in progress at Emergency Assembly point



GPS Map
Camera Lite

MQJ3+W8P, Cuddalore, Tamil Nadu 607001, India

Latitude
11.68038466013968°

Longitude
79.75309529341757°

Local 05:15:18 PM
GMT 11:45:18 AM

Altitude 6 meters
Tuesday, 25.02.2025

JDISH assessing the Emergency Control Center



GPS Map
Camera Lite

MQJ3+W8P, Cuddalore, Tamil Nadu 607001, India

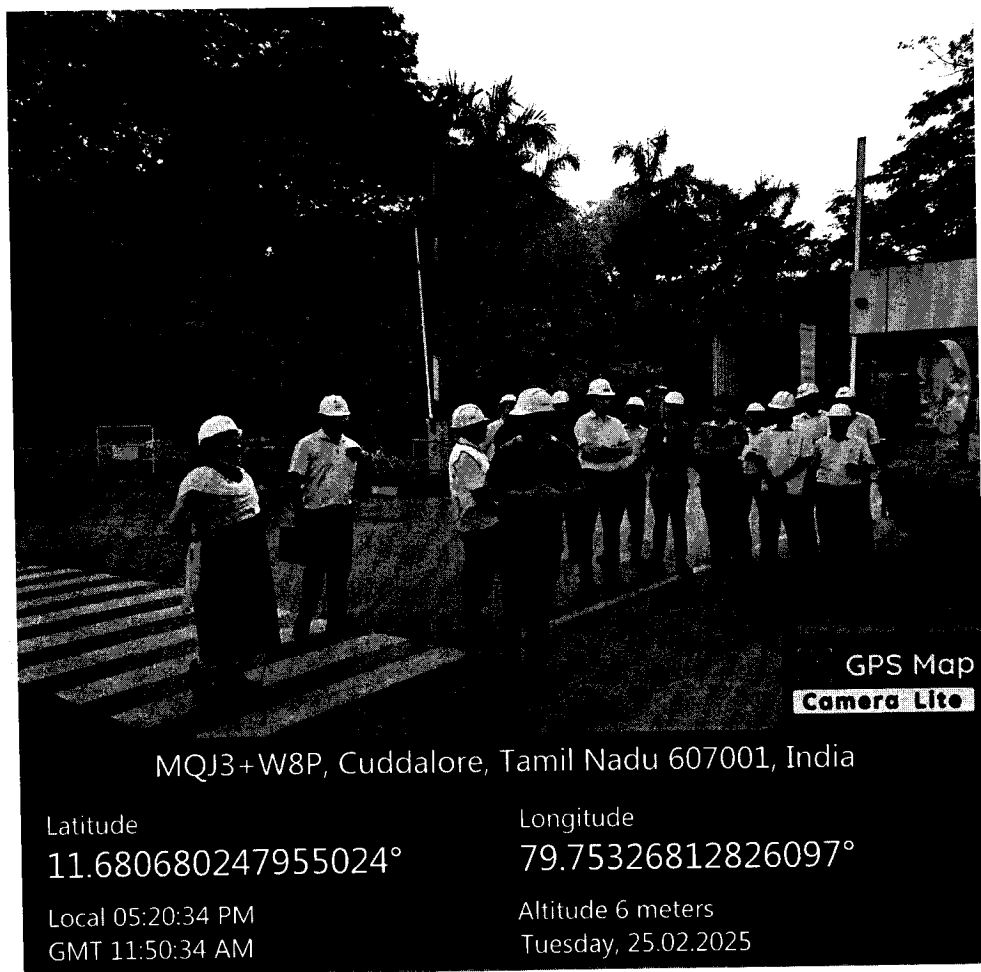
Latitude
11.680809832178056°

Longitude
79.75336711853743°

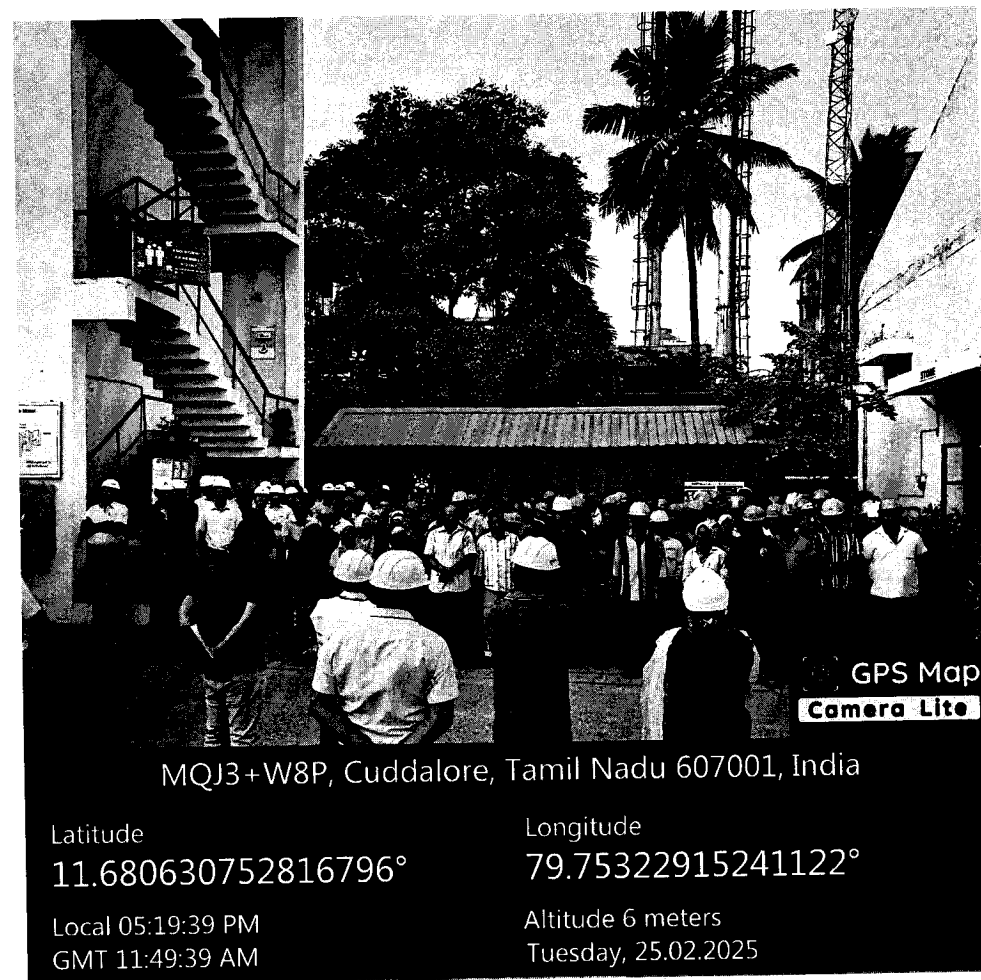
Local 05:16:56 PM
GMT 11:46:56 AM

Altitude 7 meters
Tuesday, 25.02.2025

JDISH assessing the victim status at OHC



JDISH addressing the employees at Emergency assembly point



Post emergency briefing for the employees at Emergency assembly point



GPS Map
Camera Lite

MQJ3+W8P, Cuddalore, Tamil Nadu 607001, India

Latitude
11.680986355058849°

Longitude
79.75388587452471°

Local 05:36:06 PM
GMT 12:06:06 PM

Altitude 6 meters
Tuesday, 25.02.2025



Post emergency meeting to discuss the improvement points

[illegible]

Figure-8.1



ANNEXURE-4[EHS] [28] [MOC DR]

REPORT ON MOCK DRILL

A Mock drill was conducted in Acetaldehyde storage bullet to Reactor pump as per Onsite Emergency Plan in presence of Smt. Chitra, The Joint Director, Industrial Safety and Health, Cuddalore

DETAILS:

- Date of conducting the Mock Drill – 25-02-2025
- Time – 4.52 PM

THE INCIDENT:

- Leak in Acetaldehyde bullet to Reactor line.

DESCRIPTION:

At the site:

At 4.52 PM Contract employee Parthiban and Saravanan were working in the Acetaldehyde bullet to Reactor transfer line. During working Saravanan accidentally hit the pressure gauge point and Acetaldehyde started to leak heavily from that point. He was exposed to Acetaldehyde vapours and suffered congestion due to leak. Parthiban took Saravanan to a safe location. At 4.54 PM he immediately activated the Manual Call point by breaking the glass near the Acetaldehyde unloading pump area.

At Control room:

Fire alarm got activated in the Control room. On observing the fire alarm in the panel shift in charge Boobalan rushed to the site along with Officer Abhinesh with PPEs like Full face mask. He assessed the situation and decided that the leak was heavy. He informed the Officer Muthukumar in Control room through Walkie Talkie to activate the Emergency Siren. He also informed about the nature of emergency through phone to the Chief Emergency controller B. Rajendra Babu, Site controller R. Rajesh and Communication controller Thamizhselvan.

At Fire hydrant pump house:

Siva (WTP operator) rushed to the fire hydrant room immediately after hearing the emergency siren. He ensured the running of fire hydrant pumps at a discharge pressure of 7 bar.

At OHC

Victim was assessed by the factory Medical Officer. He was given oxygen support for 5 mins and kept under continuous monitoring. After the condition of the victim improved, oxygen support removed. Doctor informed the medical coordinator Thamizhselvan about the stable condition of the victim through communication carriers.

At the site:

Ambulance arrived at the site and stationed before the cordoned area. Affected victim Saravanan was shifted to OHC through the Ambulance for first aid.

Chief Emergency controller B. Rajendra Babu, Incident controller Rajesh and Fire safety controller S. Senthil Kumaran reached the site. Incident controller took over the charges from shift in charge and assessed the situation.

Incident controller advised contract workers and Visitors to assemble at the Emergency Assembly point near the Administration building based on the wind direction, which was blowing towards the south direction. Incident controller instructed the communication carrier to arrange for the Ambulance near the site.

Safety coordinator instructed to Corden off the area near old accounts office to restrict the entry. Incident Controller instructed the Officer Abinеш to activate the water sprinkler system to the Bullets-1&2.

Upon instruction from Shift in charge, Officer closed the pump suction valve wearing all PPEs. Leak did not stop as the valve was passing. He immediately called the fitter to the site wearing SCBA.

With the instruction of Safety coordinator Officer Abinеш activated Sprinkler system for bullet 1 & 2. Fire coordinator instructed fire guards to lay the fire hose from nearby fire hydrant point and activate the water cum foam monitor as a precautionary measure to cool the bullet-3.

Safety coordinator instructed the Fire guards to wear the Emergency Lifesaving apparatus (ELBA) as a precautionary measure to prevent them from exposure to Acetaldehyde vapours.

Fitter Anbarasan reached the site with the SCBA (Self-contained breathing apparatus) and non-sparking tools to arrest the leak. He arrested the leak by fixing a new nipple point at the pressure gauge location. Incident controller after discussion with Chief controller informed Officer Abinеш to monitor the leak through portable VOC sensor. Officer Abinеш monitored the leak and within 5 mins he informed the Incident controller and Chief Controller that the leak was completely arrested.

After ensuring that the leak was arrested and the temperature and pressure conditions of the bullet are in normal condition, Chief controller instructed the communication carrier to check on the status of the head count at the Emergency assembly point.

At Emergency Assembly point:

Communication controller Thamizhselvan reached the Emergency control centre located at Time office. Simultaneously Emergency response team comprising of Fire guards, first aid team and communication carriers reached the Emergency control centre, and they were directed to the site by the communication coordinator Thamizhselvan.

Communication carrier Durai kannan & Vinoth from Instrumentation Department and First aiders Karthikeyan and Dhanasekaran from QA Lab reported to Communication coordinator Thamizhselvan. Communication carrier Vinod was sent to the emergency spot by Thamizhselvan (Communication Controller) to get feedback on the situation.

After ensuring the leak was arrested Chief controller reached the Assembly point to check the status of head count. After tallying the head count and discussions with the Communication coordinator, he instructed the Incident controller to raise the emergency clear siren and call off emergency.

Officer Muthukumar raised emergency clear siren, and the emergency was called off.

Post Mock drill debriefing conducted at Emergency assembly point. Chief Controller, Safety coordinator and Smt. Chitra, Joint Director, Industrial Safety and Health, Cuddalore briefed the situation to the employees assembled at the emergency assembly point.

At the Conference Hall:

In Conference Hall, Observations from the spot observers were discussed. The positive points and the areas which need to be further improved were highlighted in the meeting.

SEQUENTIAL ACTIVITIES OF ON-SITE EMERGENCY:

TIME	ACTIVITY
4.52.34	Parthiban and Saravanan engaged in maintenance work in Acetaldehyde bullet to reactor transfer pump
4.54.22	Saravanan exposed to accidental leak of Acetaldehyde from the pressure gauge point at the pump discharge. He was shifted to a safe location by Parthiban.
4.54.44	Parthiban activated the Manual Call point.
4.56.02	Shift In charge reached the site.
4.56.09	Shift In charge checked the status of the victim
4.56.44	Shift in charge assessed the situation and informed control to declare emergency by raising the siren
4.56.50	Emergency siren raised
4.57.42	Chief Controller, Incident Controller and ERT team reached the site
4.58.00	Ambulance reached the site
4.58.18	Site cordoned off
4.59.16	Incident controller instructed to activate sprinkler system
4.59.47	Bullet-1 and 2 Sprinkler system activated
5.00.52	Bullet-3 cooling started by opening the fire water monitors
5.01.45	Victim shifted to the OHC
5.01.45	All employees assembled at Emergency assembly point
5.03.46	Incident controller instructed to call the fitter with SCBA
5.07.46	Fitter with SCBA reached the site
5.09.15	After attending the leak officer assessed the site using portable VOC meter and cleared there is no leakage
5.10.00	Fire guard was ready with the ELBA in case of need for rescue
5.15.26	Head count was completed
5.15.50	Chief controller instructed the incident controller to raise emergency clear siren
5.16.22	Emergency clear siren raised, and emergency called off

TIMING TAKEN FOR CRITICAL ACTIVITIES FROM THE MOMENT OF DECLARATION OF SIREN

S. No	Activity	Timing
1	Arrival of shift in charge to the site	1 m 8s
2	Declaration of emergency	42 s
3	Arrival of ERT team	52 s
4	Arrival of ambulance	1 m 10 s
5	Shifting of the victim to OHC	4 m 2 s
6	Activation of sprinkler system	2 m 26 s
7	Arrival of the fitter	11 m
8	Attending the leak	1 m 30 s
9	Completion of head count	4 m 55 s
10	Emergency clear siren	19 m 32 s

POSITIVE POINTS OBSERVED:

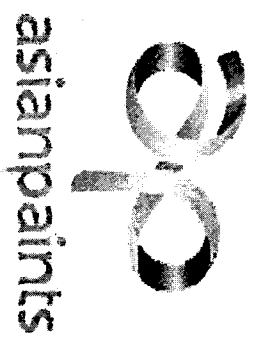
1. Usage of Walkie Talkie for communication was effective.
2. Usage of SCBA (Self Contained Breathing Apparatus) and ELBA (Emergency Life Saving Apparatus) was good.
3. Wind direction noticed and pathway to incident site informed to all the crew members accordingly.
4. Healthiness of sprinkler system was good.

SHORT COMINGS AND ACTION PLAN:

Sl. NO	OBSERVATION	ACTION PLAN	TIMELINES FOR COMPLETION	RESPONSIBLE DEPARTMENT	STATUS
01	Difficulty faced in laying of the fire hydrant hoses	Training of fire guards will be improved by refresher training	10-03-2025	Safety	
02	The tools were carried by the fitter in bare hand	Bags will be provided for carrying the tools	31-03-2025	Engineering	
03	Most of the crew members were not wearing the PPEs	Refresher training on emergency plan will be conducted	10-03-2025	Safety	
04	Shifting of the affected victim to OHC took more time	Refresher training on emergency plan will be conducted. Importance of Personal safety over equipment safety will be addressed.	10-03-2025	Safety	
05	Calling and arrival of the fitter to the site took more time	Emergency procedure will be revised to include the fitter as a ERT member so that they can be available at the site immediately after the siren	10-03-2025	Safety	

06	Fire hydrant main pump- 2 pumping started after priming	Foot valve will be inspected, and abnormalities will be corrected	26-02-2025	Safety	Completed
07	Area around the bullet was having gravels which can cause trip incidents and injuries during emergency	Pathways around the bullet will be provided with PCC flooring	30-04-2025	Engineering	
08	Acetaldehyde bullet area to be provided with Gate control to prevent unauthorized entry	Acetaldehyde bullet area will be provided with fencing	30-6-2025	Engineering	
09	Walkie Talkies to be used instead of Communication carriers	Additional Walkie Talkies will be purchased	30-06-2025	Engineering	
10	Ramp in the unloading area to be painted with zebra crossing for easy identification during emergency which otherwise can cause trip incidents	Ramp will be painted with Zebra markings	02-03-2025	Engineering	
11	Mike and Speaker to be used for addressing the employees assembled at assembly point effectively	Mike and Speaker will be purchased to address the meeting	30-06-2025	HR	

On Site Emergency Plan & Off Site Emergency Guidelines 2022



**Asian Paints Limited (Penta Division)
B5-B10, SIPCOT Industrial Complex
Kudikadu Village, Cuddalore
Tamilnadu - 607005**

**PROCEEDINGS OF THE DIRECTOR OF INDUSTRIAL SAFETY AND HEALTH (FAC)
CHENNAI**

PRESENT: THIRU.K.JAGATHESAN, M.E.,

ABSTRACT

The Factories Act 1948 and the Tamil Nadu Factories Rules 1950 – The Tamil Nadu Control of Industrial Major Accident Hazardous Chemicals Rules 1989 - On Site Emergency Plan of **Asian Paints Limited (Penta Division), B-5 to B-10 Sipcot Industrial Complex, Kudikadu Village, Cuddalore-607 005 (CDR 00674)** – Recorded.

R.Dis H2/6106/2022

Dated:01.07.2022

Read: Letter received from the Management Dated: 09.03.2022

ORDER:

The Management of **Asian Paints Limited (Penta Division), B-5 to B-10 Sipcot Industrial Complex, Kudikadu Village, Cuddalore-607 005 (CDR00674)** has prepared an 'On-Site Emergency preparedness plan' pertaining to their factory and submitted to this office.

Taking into consideration of the information furnished by the management in the 'On-Site Emergency Plan' and in exercise of the power conferred under section 41 B (4) of the factories Act 1948 and the Rule 13 (1) of Tamil Nadu control of Industrial major Accident hazardous chemicals Rules 1989 (as amended in 1994 and 2000) the Director of Industrial Safety and Health, Chennai hereby records the On-Site Emergency preparedness plan of the above said factory subject to the following conditions:

1. The On-Site Emergency Plan submitted by the management is recorded only for the conditions prevailing on the date of receipt of the On-Site Emergency Plan.
2. If there is any change in the layout of machinery, plant, process or any other modification are carried out a fresh On-Site Emergency Plan in accordance of such modifications should be prepared and submitted again for approval.

3. Full Scale On-Site Emergency mock drill should be conducted once in 6 months, involving the officials from the Directorate of Industrial Safety and Health, Fire and Rescue services department, Medical Department, Pollution Control Board and the adequacy of the emergency response measures, shall be assessed and the outcome of the mock drill shall be periodically reported to the Director office.
4. Site plan showing the following details shall be enclosed in the On-site Emergency Plan.
 - i) Location of entry / emergency exit.
 - ii) Location of hazardous chemicals storage area.
 - iii) Location of Emergency Control Centre.
 - iv) Location of Occupational Health Centre.
 - v) Location of Coal Yard Storage area.
5. Emergency Control Centre shall have a copy of TOPO Plan, On-site Emergency Plan, a set of fire proximity suit and details in this regard shall be furnished in the On-site Emergency Plan.
6. Workers in Coal Bunker area shall be subjected to periodical Medical Examination. Also Pulmonary Function Test shall be carried out to the workers and the record of examination carried out shall be entered in the certificate.
7. Adequate lighting system shall be provided in Coal Yard.
8. Roles and responsibilities shall be assigned to key persons and alternate key persons to combat any emergency.
9. Emergency Safety Shower and eye wash fountain shall be provided near HCL, H₂SO₄ and NaOH storage area.
10. Societal Risk has been calculated and the corresponding F-N Curve provided with red and yellow line and in between these two lines green line i.e. the risk curve move towards the Acceptable region which would be possible only after taking proper control measures, the societal risk would come down. As stated in the Risk analysis report, the control measures that would be taken to reduce the societal risk to acceptable level shall be clearly stated in the On-site Emergency Plan.
11. As highly flammable chemical substances are handled in this factory, a specific work permit system shall be established based on the nature of work / efficiency of the workmen / Risk involved / facility to eliminate the risk / authorized person for handling the emergency. Details of permit

system established and a specimen copy of such system shall be furnished in the On-site Emergency Plan.

12. Material Safety Data Sheet of all chemicals stored in the factory shall be circulated to all employees.

13. Accident reporting system shall be developed including near miss incident and periodical review on these incidents shall be carried out to avoid recurrence of such incidents.

14. Management shall take up the full responsibility of procuring and supplying the required Personal Protective Equipment conforming to BIS Standards to all the workers including Contract Workers.

(S/d.K.Jagathesan)
Director (FAC),
Industrial Safety and Health,
Chennai-32.

To
The Occupier,
Asian Paints Limited (Penta Division),
B-5 to B-10 Sipcot Industrial Complex,
Kudikadu Village,
Cuddalore-607 005.

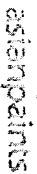
Copy to:

1. The Joint Director, Industrial Safety & Health, Cuddalore.
(He is requested to monitor the compliance of the conditions by the Management during his regular inspection)
2. Additional Director, Industrial Safety & Health, Trichy.
3. Spare Copy.
4. Stock File.

//Forwarded by Order//

(Signature)
for Director (FAC),
Industrial Safety and Health,
Chennai -32.

(Signature)
11/11/2020



Asian Paints Limited
B-5 to B-10 Sippcot
Industrial Complex,
Kudikadu Village,
Cuddalore - 607 005.
Tamil Nadu
Tel.No-04142-239248
www.asianpaints.com

Date: 09/03/2022

Dear Sir,

We Asian Paints Limited (Penta Division), B5-B10, SIPCOT Industrial Complex, Cuddalore, Tamilnadu – 607005, Manufacture of chemicals viz various grades of Pentaerythritol, Sodium Formate and Formaldehyde. We herewith submit Two copies of Onsite emergency plan with all the necessary supporting documents, Escape Route plan, Location of Hazardous Storage, TOPO plan Etc.,
சென்னை தொழிலகம் மற்றும் இயற்கைப் பாதுகாப்புத் துறைமுகத்தின் உரிமையாளர்
அதிகாரப்பூர்வ பின்படிக்கைகள் அனுப்புவதைக் குறித்து உறுதிப்படுத்துகிறோம்.
உள்ளே உள்ள கட்டிடங்களில் இருந்து வெளியேறும் வழிகள்
பற்றி விவரமாகக் கொண்டு வந்திருக்கிறது.

Kindly record our onsite emergency plan and Guidelines of off-site emergency plan and acknowledge the receipt of the same.

பொறுத்த
கொண்டிருக்கிறோம்

88

1/05.22

6/6/11

Registered Office : Asian Paints Limited, 6A, Shantinagar, Santacruz (East), Mumbai - 400 055. Tel : (022) 62181000

SCHEDULE -11
[See Rule 13(1)]

DETAILS TO BE FURNISHED IN THE ON-SITE EMERGENCY PLAN

DETAILS TO BE FURNISHED IN THE ON-SITE EMERGENCY PLAN AS PER RULE 13(1) OF THE
MANUFACTURER OF HAZARDOUS CHEMICALS RULES 1989

SL.NO	DESCRIPTION	DETAILS
1.	Name and address of the person furnishing the information.	B. Rajendra Babu Associate General Works Manager, APIL, B5-B10, SIPCOT Industrial Complex, Kudikadu, Cuddalore - 607 005
2	Key Personnel of the organization and responsibilities assigned to them in case of an emergency.	Provided in chapter No.17 of this plan
3	Outside organization involved in assisting during on-site emergency.	Major fire & heavy leakage of raw material / collapse of chemical storage tanks. Fire fighting Providing assistance to evacuate the victims. Providing any other resources victims.
4	Details of liaison arrangements between the organization.	The safety in charge / the head of the organization are contacted at the time of emergency to get necessary help.
5	Information on the preliminary hazard analysis: (a) Types of accidents (b) System elements or events that can lead to a major accident (c) Hazards (d) Safety relevant components	Possibility of fire, Explosion, Chemical spill & Health Hazards only Details discussed in on site plan. Unloading of solvents Spillage of Hazardous Material like Solvents, Oil, Diesel, etc., All the precautions adopted while installation of equipment. LEL & Oxygen detector is available. Chemical Spill Kit, Fire Fighting facilities. Personnel Protective Equipment etc. provided
6	Details about this site: (a) Location of dangerous substances (b) Site key personnel (c) Emergency Control Room	Details are shown in a layout and enclosed Details are shown in a layout and enclosed Details are shown in a layout and enclosed
7	Description of hazardous chemicals at plant site (a) Chemicals (Quantities and toxicological data)	Details are provided in on site plan

For ASIAN PAINTS LIMITED

B.B.
RAJENDRABABU B
Associate General Manager.

THE UNIVERSITY OF CHICAGO

1961-1962

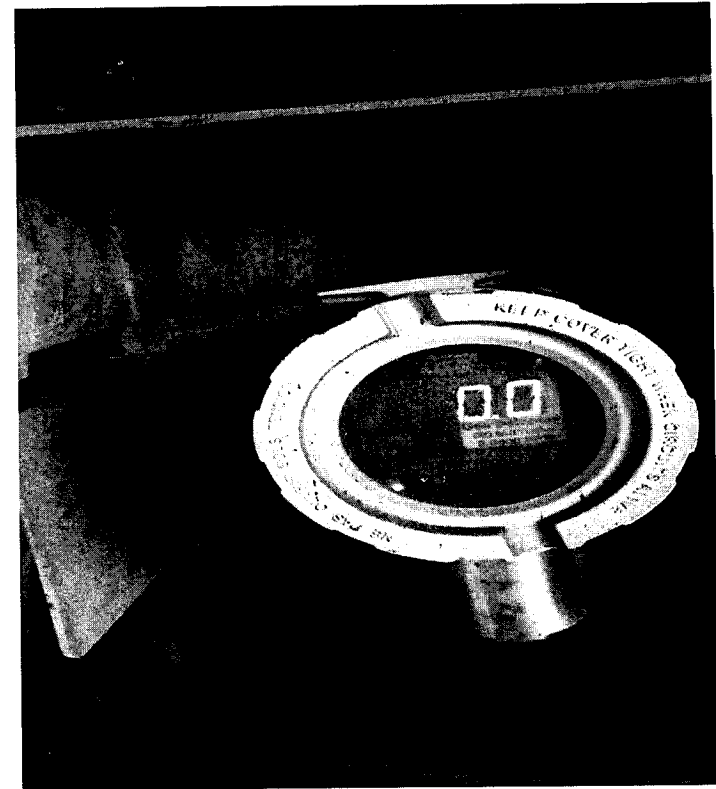
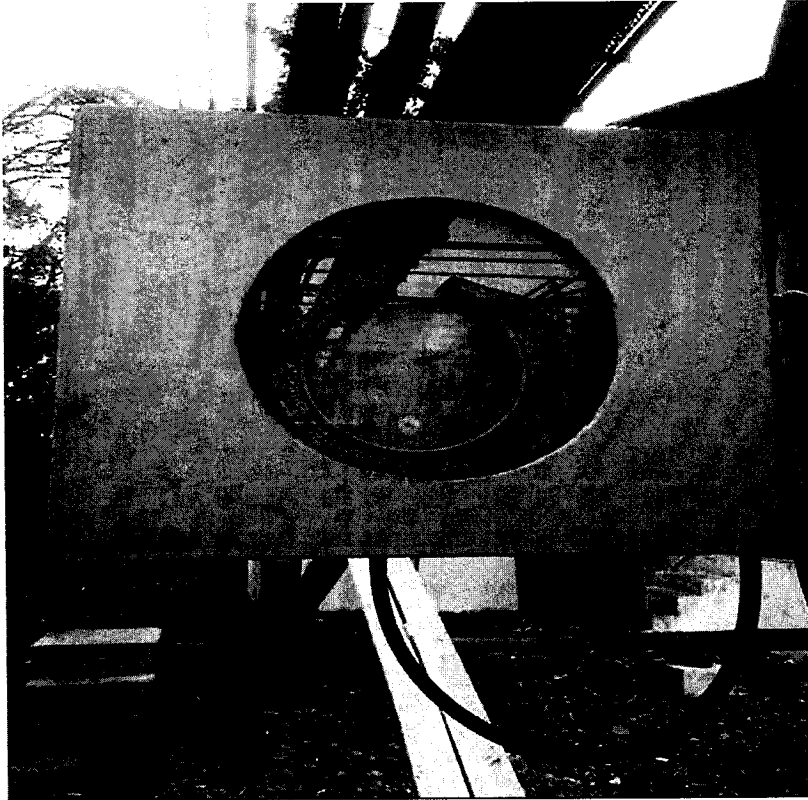
	(b) Transformation if any which could occur	Details are provided in on site plan
	@ Purity of hazardous chemicals	Details are provided in on site plan
8	Likely dangers to the plant	The plant could be totally damaged by fire if not extinguished immediately
9	Enumerate effects of (i) Stress and strain caused during normal operation (ii) Fire and explosion inside the plant and effect if any, of fire explosion outside	Stress & strain not caused during normal operation Fire inside the plant can damage the plant machinery Fire outside the plant can cause air pollution damage to storage facilities & can lead to offsite emergency
10	Details regarding (i) Warning alarm and safety and security systems (ii) Alarm and hazard control plans in live with disaster control and hazard control planning. Ensuing the necessary technical and organizational precautions. (iii) Reliable measuring instruments, control units and servicing of such equipment (iv) Precautions in designing of the foundation and load bearing parts of the building. (v) Continuous surveillance of operations (vi) Maintenance and repair work according to the generally reorganized rules of good engineering practices	Details are given in this plan System is checked once in a week. Periodically serviced through preventive maintenance schedule Adequate care has been taken. Operations are monitored by the concerned operations / shift in charges all 24 hours of the day. Being ensured.
11	Details of communication facilities available during emergency and those required for an off - site emergency.	Four external telephone lines are available with battery backup. Additional Email & Fax facilities are available.
12	Details of firefighting and other facilities available and those required for an off – side emergency.	Full-fledged fire protection system, Sprinkler, Hydrant, foam system, Fire Alarm system details and drawing provided in on site plan.
13	Details of first aid and hospital services available and its adequacy.	Adequate facilities are available, and details are given in on site plan.

FOR ASIAN PAINTS LIMITED

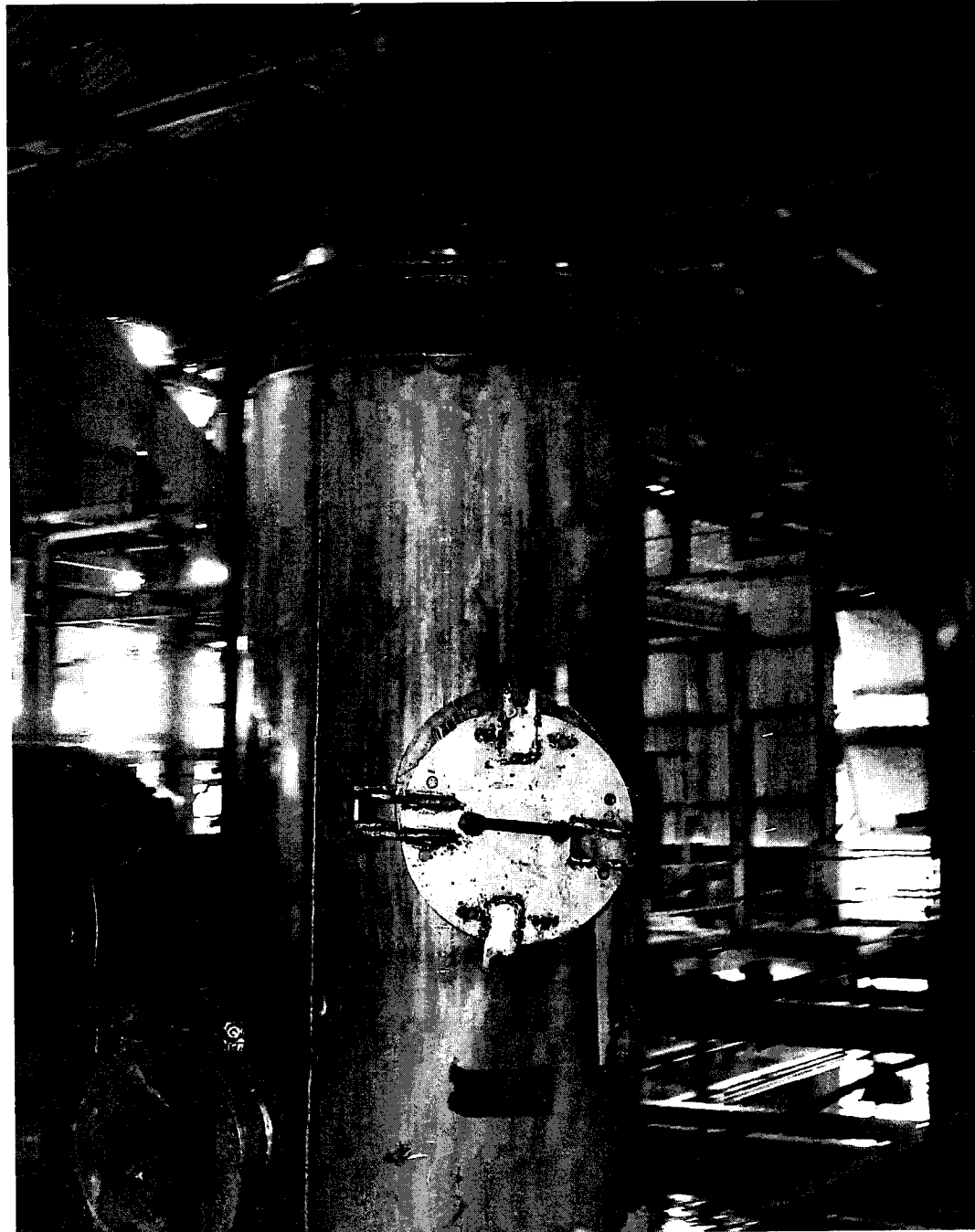

RAJENDRABABU B
Associate General Manager.

Annexure 17 - VOC Monitoring

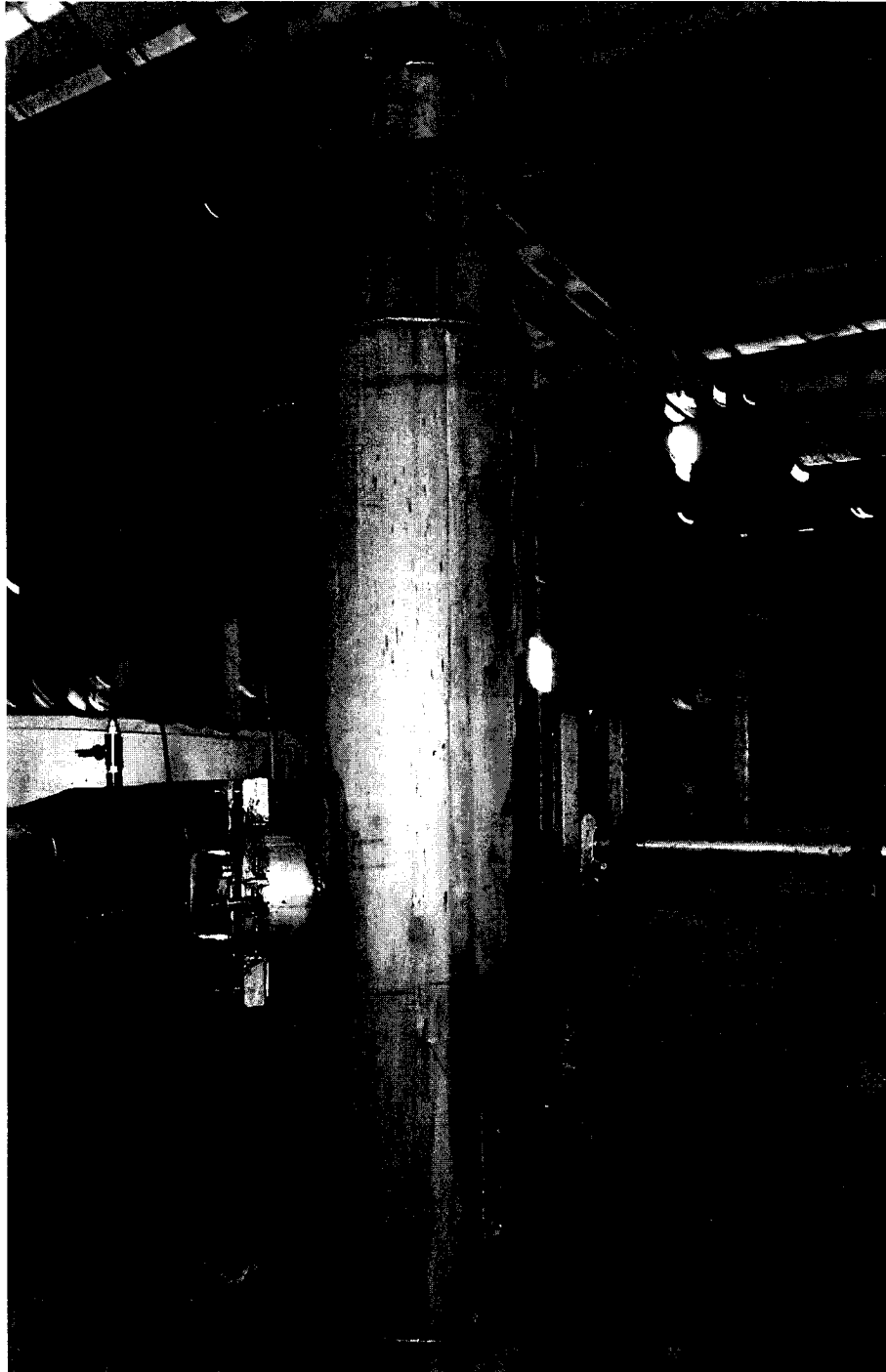
Online VOC meter installed in Penta plant



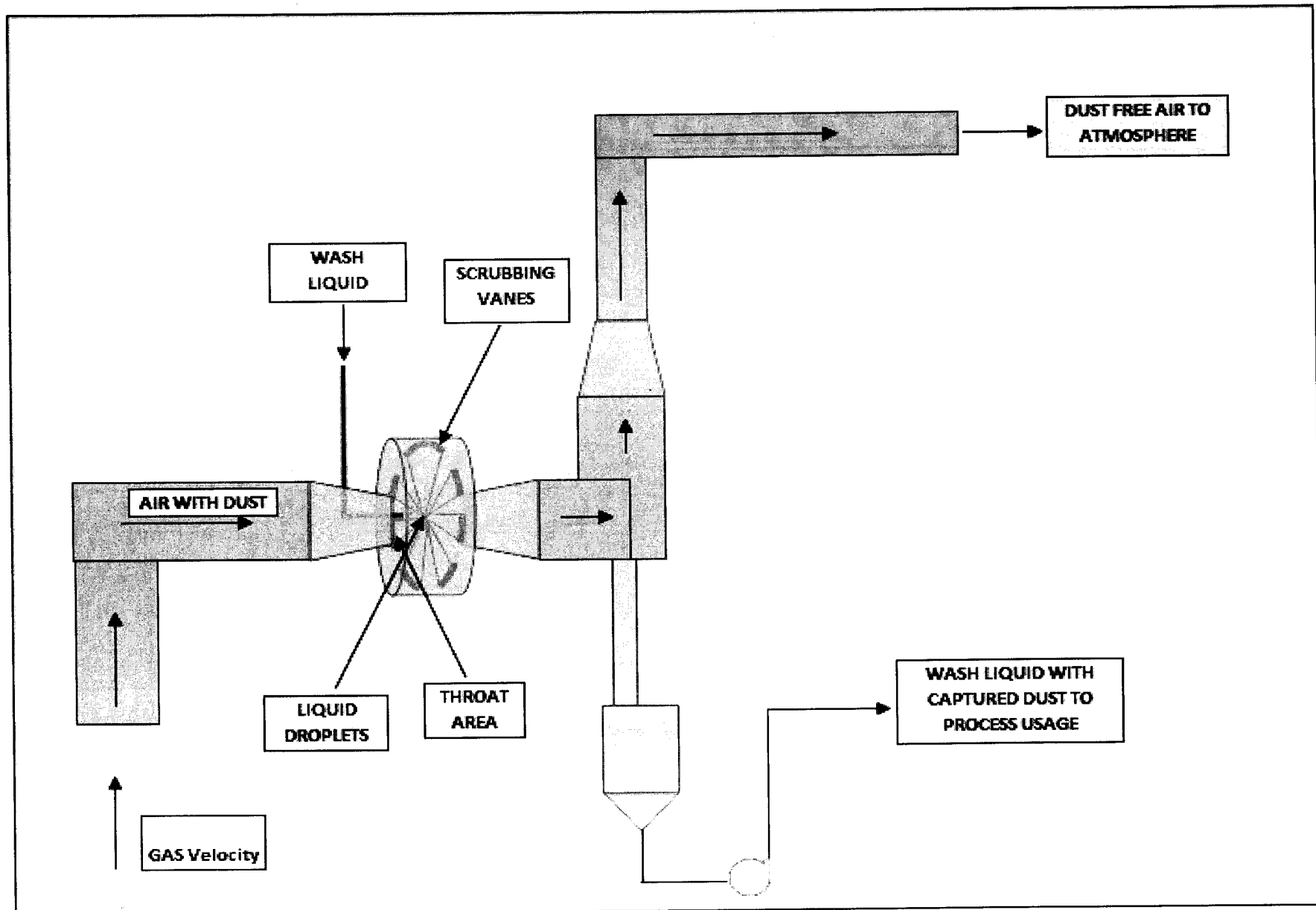
MONO SCRUBBER



DIPE SCRUBBER



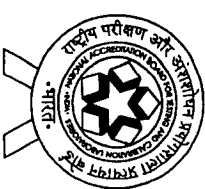
Existing Scrubbers block diagram





SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

ULR - TC611825000023930F
Report No : ENQ250514001-08 (Part A)

Page 1 of 1
Report Date : 17 May 2025

Customer Name : M/s. ASIAN PAINTS LIMITED. (PENTA DIVISION)
Customer Address : B5 - B10, Sipcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.
Sample Name : Ambient Voc Monitoring
Sample Description : Ambient Voc Monitoring
Reference : Test Request Form Dated 12.05.2025
Sample Drawn By : Laboratory
Sample Location : Near Weigh Bridge (Up Wind)
Sampling Procedure : NIOSH & SOPs

Sampling Date : 12 May 2025
Sample Received on : 14 May 2025
Test Started on : 15 May 2025
Test Completed on : 17 May 2025

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Chemical				
1	Formaldehyde	SMSLA/EN/SOP/026 - 2024	ppm	BLQ(LOQ:0.1)
Hydrocarbons				
2	Total Hydrocarbons	SMSLA/GC/SOP/47 - 2024	mg/m ³	BLQ(LOQ:0.025)
Volatile Organic Compounds				
3	Methanol	SMSLA/GC/SOP/36 - 2024	mg/m ³	BLQ(LOQ:0.1)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

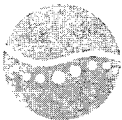
/***** End of the Report *****/

H.C

M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Pudukkottai Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements; while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.



SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT

Page 1 of 1

Report No : ENQ250514001-08 (Part B)

Report Date : 17 May 2025

Customer Name : M/s. ASIAN PAINTS LIMITED. (PENTA DIVISION)
Customer Address : B5 - B10, Sipcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.
Sample Name : Ambient Voc Monitoring
Sample Description : Ambient Voc Monitoring
Reference : Test Request Form Dated 12.05.2025
Sample Drawn By : Laboratory
Sample Location : Near Weigh Bridge (Up Wind)
Sampling Procedure : NIOSH & SOP'S

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Aldehydes				
1	Acetaldehyde	NIOSH 2538 - 1994	mg/m ³	BLQL(LOQ:0.1)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

M.S.T
M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Pudukkottai Post, Thirumazhisai Via, Ponnammallee Taluk, Chennai - 600124.

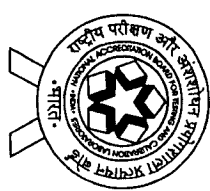
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SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT



TC-6118

ULR - TC611825000023931F
Report No : ENQ250514001-09 (Part A)

Page 1 of 1
Report Date : 17 May 2025

Customer Name : M/s. ASIAN PAINTS LIMITED. (PENTA DIVISION)
Customer Address : B5 - B10, Sipcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.
Sample Name : Ambient Voc Monitoring
Sample Description : Ambient Voc Monitoring
Reference : Test Request Form Dated 12.05.2025
Sample Drawn By : Laboratory
Sample Location : Near Coal Yard (Down Wind)
Sampling Procedure : NIOSH & SOPs

Sampling Date : 12 May 2025
Sample Received on : 14 May 2025
Test Started on : 15 May 2025
Test Completed on : 17 May 2025

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Chemical				
1	Formaldehyde	SMSLA/EN/SOP/026 - 2024	ppm	BLQ(LOQ:0.1)
Hydrocarbons				
2	Total Hydrocarbons	SMSLA/GC/SOP/47 - 2024	mg/m ³	BLQ(LOQ:0.025)
Volatile Organic Compounds				
3	Methanol	SMSLA/GC/SOP/36 - 2024	mg/m ³	BLQ(LOQ:0.1)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

M.S.
M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Puduchattaram Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

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SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT

Report No : ENQ250514001-09 (Part B)

Page 1 of 1
Report Date : 17 May 2025

Customer Name : M/s. ASIAN PAINTS LIMITED. (PENTA DIVISION)
Customer Address : B5 - B10, Sipcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.
Sample Name : Ambient Voc Monitoring
Sample Description : Ambient Voc Monitoring
Reference : Test Request Form Dated 12.05.2025
Sample Drawn By : Laboratory
Sample Location : Near Coal Yard (Down Wind)
Sampling Procedure : NIOSH & SOPs

Sampling Date : 12 May 2025
Sample Received on : 14 May 2025
Test Started on : 15 May 2025
Test Completed on : 17 May 2025

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Aldehydes				
1	Acetaldehyde	NIOSH 2538 - 1994	mg/m ³	BLQ(LOQ:0.1)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

M.S.
M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Pudukkottai Road, Thirumangalakudi, Chennai - 600124.

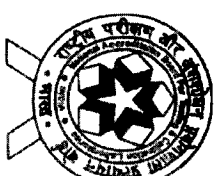
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SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT



TC-6118

ULR - TC61182500036133F
Report No : ENQ250724012-01

Page 1 of 1
Report Date : 26 Jul 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005.
Sample Name : Ambient Air Quality Monitoring
Sampling Date & Time : 22 to 23 Jul 2025
10.20 am to 10.20 am
Sample Description : Ambient Air Quality Monitoring
Reference : Test Request Form Dated 22.07.2025
Sample Received on : 24 Jul 2025
Sample Drawn By : Laboratory
Test Started on : 24 Jul 2025
Sample Location : Near Weigh Bridge (Up Wind)
Test Completed on : 26 Jul 2025
Sampling Procedure : IS 5182
Relative Humidity : 54%
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Results	Unit	Limit as per NAAQS Specification
Chemical					
1	Ammonia as NH ₃	IS 5182 (Part 25) - 2018	BLQ(LOQ:20.0)	µg/m ³	400 Max
2	Carbon Monoxide as CO (8hrs)	IS 5182 (Part 10) - 1999 (Reaffirmed 2019)	BLQ(LOQ:1.14)	mg/m ³	02 Max
3	Nitrogen dioxide as NO ₂	IS 5182 (Part 06) - 2006 (Reaffirmed 2022)	22.3	µg/m ³	80 Max
4	Ozone as O ₃	IS 5182 (Part 09) - 1974 (Reaffirmed 2019)	BLQ(LOQ:20.0)	µg/m ³	180 Max
5	Particulate Matter (PM10)	IS 5182 (Part 23) - 2006 (Reaffirmed 2022)	58.6	µg/m ³	100 Max
6	Particulate Matter (PM2.5)	IS 5182 (Part 24) - 2019	27.9	µg/m ³	60 Max
7	Sulphur Dioxide as SO ₂	IS 5182 (Part 02) - 2001 (Reaffirmed 2022)	10.1	µg/m ³	80 Max
Polycyclic Aromatic Hydrocarbons (PAHs)					
8	Benz(a)Pyrene (Particulate Phase)	SMSLA/GC/SOP/46 - 2024	BLQ(LOQ:0.050)	ng/m ³	01 Max
Trace Elements					
9	Arsenic	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.100)	ng/m ³	06 Max
10	Lead	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.001)	µg/m ³	1.0 Max
11	Nickel	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.100)	ng/m ³	20 Max
Volatile Organic Compounds-NAAQM					
12	Benzene	SMSLA/GC/SOP/43 - 2024	BLQ(LOQ:1.00)	µg/m ³	05 Max

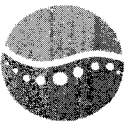
Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.
Conclusion : The above tested Sample Conforms to the NAAQS Standards for the above tested Parameters.

/***** End of the Report *****/

MQ

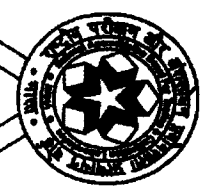
M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Pudukottai Post, Thirumazisai Vin, Poonamallee Taluk, Chennai - 600124.
Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements, while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory units or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.



SMS LABS SERVICES PRIVATE LIMITED

SMSLA



TEST REPORT

TC-6118

ULR - TC611825000036133F

Page 1 of 1

Report No : ENQ250724012-02

Report Date : 26 Jul 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)

Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005.

Sample Name : Ambient Air Quality Monitoring Sampling Date & Time : 22 to 23 Jul 2025
10.30 am to 10.30 am

Sample Description : Ambient Air Quality Monitoring Sample Received on : 24 Jul 2025

Reference : Test Request Form Dated 22.07.2025 Test Started on : 24 Jul 2025

Sample Drawn By : Laboratory Test Completed on : 26 Jul 2025

Sample Location : Near Coal Yard (Down Wind)

Sampling Procedure : IS 5182

Relative Humidity : 54% Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Results	Unit	Limit as per NAAQS Specification
Chemical					
1	Ammonia as NH ₃	IS 5182 (Part 23) - 2018	BLQ(L0Q:20.0)	µg/m ³	400 Max
2	Carbon Monoxide as CO (8hrs)	IS 5182 (Part 10) - 1999 (Reaffirmed 2019)	BLQ(L0Q:1.14)	mg/m ³	02 Max
3	Nitrogen dioxide as NO ₂	IS 5182 (Part 06) - 2006 (Reaffirmed 2022)	23.1	µg/m ³	80 Max
4	Ozone as O ₃	IS 5182 (Part 09) - 1974 (Reaffirmed 2019)	BLQ(L0Q:20.0)	µg/m ³	180 Max
5	Particulate Matter (PM ₁₀)	IS 5182 (Part 23) - 2006 (Reaffirmed 2022)	59.5	µg/m ³	100 Max
6	Particulate Matter (PM _{2.5})	IS 5182 (Part 24) - 2019	28.8	µg/m ³	60 Max
7	Sulphur Dioxide as SO ₂	IS 5182 (Part 02) - 2001 (Reaffirmed 2022)	10.6	µg/m ³	80 Max
Polycyclic Aromatic Hydrocarbons (PAHs)					
8	Benzo(a)Pyrene (Particulate Phase)	SMSL/AGC/SOP/46 - 2024	BLQ(L0Q:0.050)	ng/m ³	01 Max
Trace Elements					
9	Arsenic	Compendium Method IO - 3.4 - 1999	BLQ(L0Q:0.100)	ng/m ³	06 Max
10	Lead	Compendium Method IO - 3.4 - 1999	BLQ(L0Q:0.001)	µg/m ³	1.0 Max
11	Nickel	Compendium Method IO - 3.4 - 1999	BLQ(L0Q:0.100)	ng/m ³	20 Max
Volatile Organic Compounds-NAAQM					
12	Benzene	SMSL/AGC/SOP/43 - 2024	BLQ(L0Q:1.00)	µg/m ³	05 Max

Note : BLQ : Below Limit of Quantification L0Q : Limit of Quantification.

Conclusion : The above tested Sample Conforms to the NAAQS Standards for the above tested Parameters.

/***** End of the Report *****/

MID I

M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Pudukottaiam Post, Thirumangaludi Vta, Ponnammalpet Taluk, Chennai - 600124.

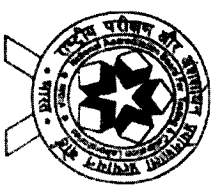
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SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT



TC-6118

ULR - TC611825000039453F

Report No : ENO250813013-09 (Part A)

Page 1 of 1
Report Date : 18 Aug 2025

Customer Name : M/s. Aslan Paints Limited. (Penta Division)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005.
Sample Name : Ambient VOC Monitoring
Sample Description : Ambient VOC Monitoring
Reference : Test Request Form Dated 11.08.2025
Sample Drawn By : Laboratory
Sample Location : Near Weigh Bridge (Up Wind)
Sampling Procedure : NIOSH & SOP's

Sample Quantity : 1 No
Sampling Date : 11 Aug 2025
Sample Received on : 13 Aug 2025
Test Started on : 13 Aug 2025
Test Completed on : 18 Aug 2025

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Chemical				
1	Formaldehyde	SMSLA/EN/SOP/026 - 2024	ppm	BLQ(LOQ:0.1)
Hydrocarbons				
2	Total Hydrocarbons	SMSLA/GC/SOP/47 - 2024	mg/m ³	BLQ(LOQ:0.025)
Volatile Organic Compounds (VOCs)				
3	Methanol	SMSLA/GC/SOP/54 - 2024	mg/m ³	BLQ(LOQ:0.100)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

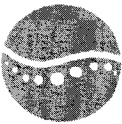
H.L.

M. Sarathkumar

Authorized Signatory-Chemical

Laboratory Address: No 39/6, Pudukottai, Thiruvallur High Road, Thirumazhisai Via, Poonamallee Tk. Thiruvallur, Chennai, Tamil Nadu, India

Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements, while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.



SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT

Report No : ENO250813013-09 (Part B)

Page 1 of 1
Report Date : 18 Aug 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudlikadu Village, Cuddalore-607005.
Sample Name : Ambient VOC Monitoring
Sample Description : Ambient VOC Monitoring
Reference : Test Request Form Dated 11.08.2025
Sample Drawn By : Laboratory
Sample Location : Near Weigh Bridge (Up Wind)
Sampling Procedure : NIOSH & SOP's
Sample Quantity : 1 NO
Sampling Date : 11 Aug 2025
Sample Received on : 13 Aug 2025
Test Started on : 13 Aug 2025
Test Completed on : 18 Aug 2025

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Aldehydes				
1	Acetaldehyde	SMSLA/GC/SOP/60 - 2024	mg/m ³	BLQ(LOQ:0.100)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

M.Q.
M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: No 39/6, Puduchatham, Thiruvallur High Road, Thirumazhaisai Vii, Poomammallee Tk, Thiruvallur, Chennai, Tamil Nadu, India

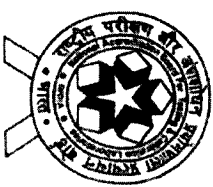
Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements; while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted



SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT



TC-6118

ULR - TC61182500039454F

Page 1 of 1

Report No : ENO250813013-10 (Part A)

Report Date : 18 Aug 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005.
Sample Name : Ambient VOC Monitoring
Sample Description : Ambient VOC Monitoring
Reference : Test Request Form Dated 11.08.2025
Sample Drawn By : Laboratory
Sample Location : Near Coal Yard (Down Wind)
Sampling Procedure : NIOSH & SOP's
Sample Quantity : 1 No
Sampling Date : 11 Aug 2025
Sample Received on : 13 Aug 2025
Test Started on : 13 Aug 2025
Test Completed on : 18 Aug 2025

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Chemical				
1	Formaldehyde	SMSLA/EN/SOP/026 - 2024	ppm	BLQ(LOQ:0.1)
Hydrocarbons				
2	Total Hydrocarbons	SMSLA/GC/SOP/47 - 2024	mg/m ³	BLQ(LOQ:0.025)
Volatile Organic Compounds (VOCs)				
3	Methanol	SMSLA/GC/SOP/54 - 2024	mg/m ³	BLQ(LOQ:0.100)

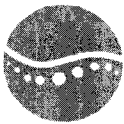
Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

/***** End of the Report *****/

M.C.
M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: No 39/6, Pudurbanam, Thiruvallur High Road, Thirumazhisai Via, Poomanallur Tk, Thiruvallur, Chennai, Tamil Nadu, India

Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements, while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) are said to be extracted.



SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT

Report No : ENO250813013-10 (Part B)

Page 1 of 1
Report Date : 18 Aug 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005.
Sample Name : Ambient VOC Monitoring : 1 No
Sample Description : Ambient VOC Monitoring : 11 Aug 2025
Reference : Test Request Form Dated 11.08.2025 : 13 Aug 2025
Sample Drawn By : Laboratory : 13 Aug 2025
Sample Location : Near Coal Yard (Down Wind) : 18 Aug 2025
Sampling Procedure : NIOSH & SOP's

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
1	Aldehydes			
1	Acetaldehyde	SMSLA/GC/SOP/60 - 2024	mg/m ³	BLQ(LOQ:0.100)

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

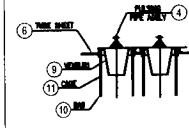
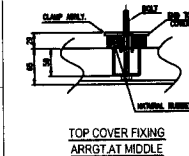
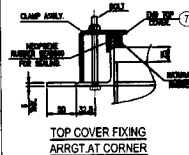
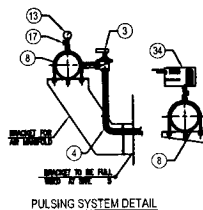
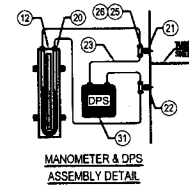
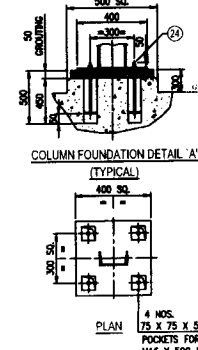
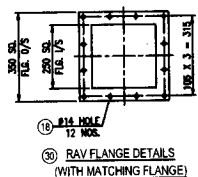
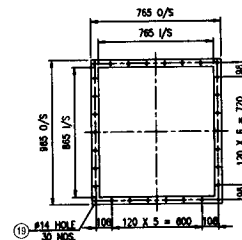
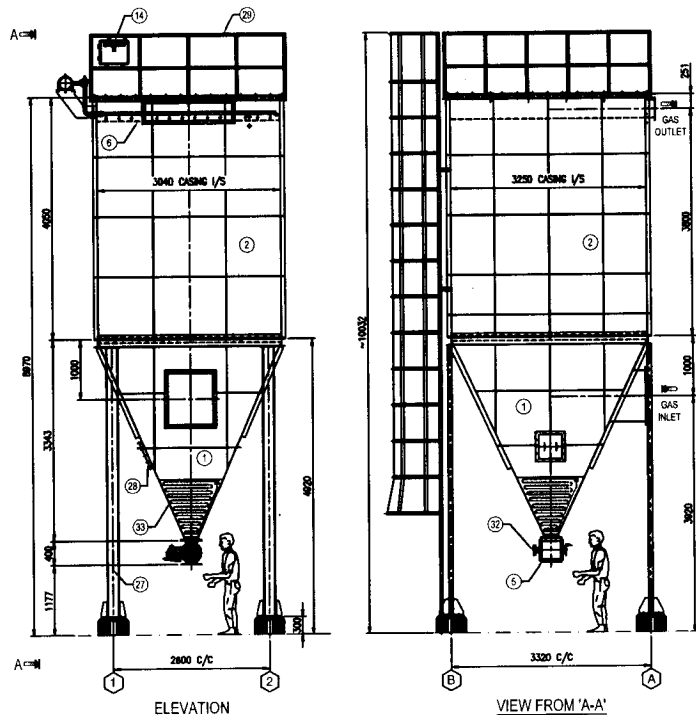
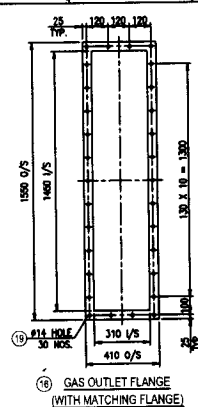
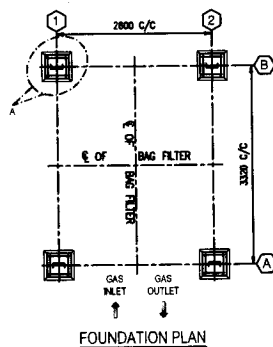
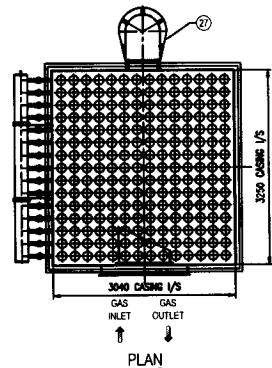
/***** End of the Report *****/

M. S.

M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: No 39/6, Paduchattaram, Thiruvallur High Road, Thirumazhisai Vn, Poornamallee Tk, Thiruvallur, Chennai, Tamil Nadu, India

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A) LOAD DATA:			
- TOTAL UNIT WEIGHT (KG) ---			6200
- UNIT WEIGHT WITH DUST (HOPPER FILLED TILL INLET TOP) (KG) ---			11000
- DEAD LOAD ON EACH COLUMN (KG) ---			2750
B) DESIGN DATA:			
- GAS VOLUME (m ³ /hr) ---			26400
- DESIGN PRESSURE (MM WG) ---			1500
- SERVICE TEMPERATURE IN DEGREE CENTIGRADE ---			≤ 200
- MAXIMUM DESIGN TEMPERATURE IN DEGREE CENTIGRADE ---			220
- DUST DENSITY FOR DISCHARGE (KG/M ³) ---			800
- DUST DENSITY FOR POWER (KG/M ³) ---			1000
- AIR TO CLOTH RATIO (M ³ /MIN/M ²) ---			1.14
- INLET DUST LOAD (gm/M ³) ---			≤ 50
- OUTLET EMISSION (mg/M ³) ---			≤ 100
- PRESSURE DROP ACROSS BAG FILTER (FLANGE TO FLANGE) (MM WG) ---			< 100
- PARTICLE SIZE (MICRONS) ---			20
- FILTRATION AREA (M ²) ---			375.3
- FOUNDATION DEPTH TO BE DECIDED BY CUSTOMER'S CIVIL ENGG. CONSIDERING WIND LOAD AND SUCH OTHER LOADS.			
- ALL FOUNDATION BOLTS TO BE GROUTED AFTER ERECTING THE EQUIPMENT IN POSITION.			
C) PRODUCT DATA:			
- LADDER POSITION IS INDICATIVE - ACTUAL POSITION TO BE DECIDED AT SITE BASED ON SITE CONDITIONS.			
- OUTLET POSITION CANNOT BE CHANGED.			
- ID FAN SHOULD NOT START UNLESS DISCHARGE VALVE AND SEQUENTIAL CONTROLLER STARTS OPERATING.			
- CUSTOMER HAS TO MAKE SEPARATE PROVISION FOR FAN FOUNDATION.			
- SEQUENTIAL CONTROLLER SHOULD NOT BE MOUNTED ON VIBRATING STRUCTURE.			
- SPACE REQUIRED FOR BAG & CAGE REMOVAL - 3.700 MTR (MINIMUM)			
D) UTILITIES: # ELECTRICAL			
- POWER: 415V (±10%), 50 Hz (±5%), 3PH, AC			
- CONTROL: 230V (±10%), 50 Hz (±5%), 1PH, AC			
- RAV DRIVE: GEARED MOTOR 1.0 HP, 20 RPM, 415 V, 3 PH, AC			
# COMPRESSED AIR REQUIREMENT AT 5-6 kg/cm ² -			
- NORMAL: 37.1 Nm ³ /hr (COMPRESSED AIR QUALITY: OIL CONTENT < 50 PPM,			
- MOISTURE CONTENT: PRESSURE DEW POINT TEMP: -10° WHICH CORRESPONDS 2 GM/M ³)			
E) PAINTING DETAILS FOR BAG FILTER:			
SURFACE PREPARATION: MANUAL CLEANING			
INSIDE - TWO COATS OF HR ALUMINIUM PAINT		OUTSIDE - TWO COATS OF HR ALUMINIUM PAINT	
F) FINISH PAINT SHADE: SILVER SHADE			

34	PRESSURE SWITCH	INLAND / ORIEN / SWITZER	EEC	0-10 KG/CM ²	1 NO.
33	HOPPER HEATER PAD	--	EEC	LOOSE	1 LOT
32	ZERO SPEED SWITCH FOR RAV	JAYSHREE	EEC	LOOSE	1 NO.
31	D.P. SWITCH	INLAND / ORIEN / SWITZER	EEC	0-250 MMWG	1 NO.
30	RAV FLANGE	--	EEC	M.S.	1 LOT
29	RAILING	--	EEC	M.S.	1 LOT
28	ACCESS WINDOW	--	EEC	M.S.	1 NO.
27	SUPPORT STRUCTURE WITH LADDER	--	EEC	M.S.	1 LOT
26	CONNECTOR 'T' 1/4" BSP	--	EEC	M.S. LOOSE	2 NOS.
25	CONNECTOR 1/2" x 1/4"	--	EEC	M.S. LOOSE	2 NOS.
24	FOUNDATION BOLTS	--	EEC	M16 X 500 LG.	16 NOS.
23	PU TUBE Ø6mm.	--	EEC	LOOSE	1 LOT
22	1/2" BSP SOCKET WITH PLUG	--	EEC	M.S.	1 NO.
21	1/2" BSP SOCKET WITH PLUG	--	EEC	M.S.	1 NO.
20	1/4" PU CONNECTOR	--	EEC	M.S. LOOSE	8 NOS.
19	INLET & OUTLET FLANGE HARDWARE	--	EEC	M12 X 40 LOOSE	80 NOS.
18	POWDER DISCHARGE FLANGE HARDWARE	--	EEC	M14 X 90 LOOSE	8 NOS.
17	NIDDLE VALVE WITH 3/8" CONNECTOR	--	EEC	IS-2062 LOOSE	1 LOT
16	OUTLET & COUNTER FLANGES	--	EEC	YES	2 LOT
15	INLET & COUNTER FLANGES	--	EEC	YES	2 LOT
14	SEQUENTIAL TIMER	INLAND / MANKS	EEC	230 V, AC 15 PORT	1 NO.
13	PRESSURE GAUGE 3/8" BOTTOM ENTRY	FIBKUE / WAREE	EEC	0-10 KG/CM ²	1 NO.
12	MANOMETER ASSLY	AKSHAY	EEC	150 - 0 - 150 mm. WG	1 NO.
11	CAGE Ø143 X 3645 MM LONG.	--	EEC	GI / HR ALUMINIUM	210 NOS.
10	BAG - Ø155 X 3660 MM LONG	BWF	EEC	PPS WEB ON PPS SCRM	210 NOS.
9	VENTURI	--	EEC	GI / HR ALUMINIUM	210 NOS.
8	AIR MANIFOLD PIPE/HEADER	--	EEC	200 NB 10' CLASS	1 NO.
7	TOP COVER	--	EEC	3 mm. THK.	1 LOT
6	TUBE SHEET	--	EEC	5 mm. THK.	1 NO.
5	ROTARY AIR LOCK VALVE (C.I.)	--	EEC	SIZE 250 NB SQ., MOTOR = 1.0 HP, RAV RPM 20	1 NO.
4	PULSING PIPE ASSEMBLY	--	EEC	40 NB, B-CLASS	15 NOS.
3	PULSE & SOLENOID VALVE	ROTEX & MANKS	EEC	1 1/2" BSP, 230V AC DIAPHRAM TYPE	15 NOS.
2	HOUSING	--	EEC	3 mm. THK.	1 NO.
1	HOPPER	--	EEC	5 mm. THK.	1 NO.

SR.NO.	DESCRIPTION	MAKE	SCOPE	MOC	QTY.
--------	-------------	------	-------	-----	------

TITLE: - GA OF BAG FILTER PJ-12-210 FOR 16 TPH BOILER EXHAUST

CLIENT: - M/s. ASIAN PAINTS LIMITED.

CONSULTANT: -



ENVIROMENTAL ENGINEERING CONSULTANT
SARITA VAIBHAV, SINHGAD ROAD,
PUNE - 411030.

PROJECT No.:

1718

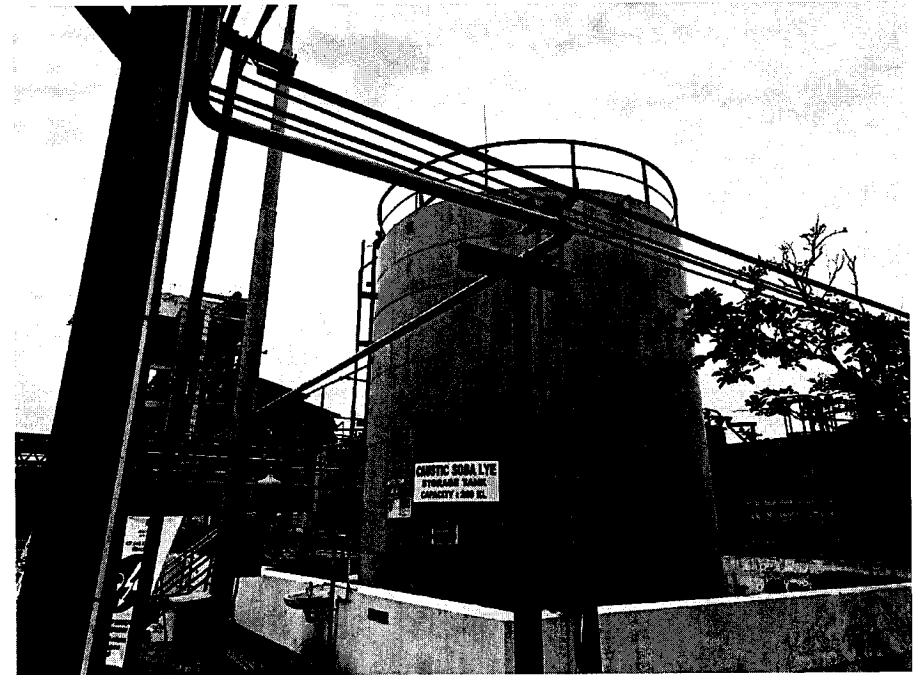
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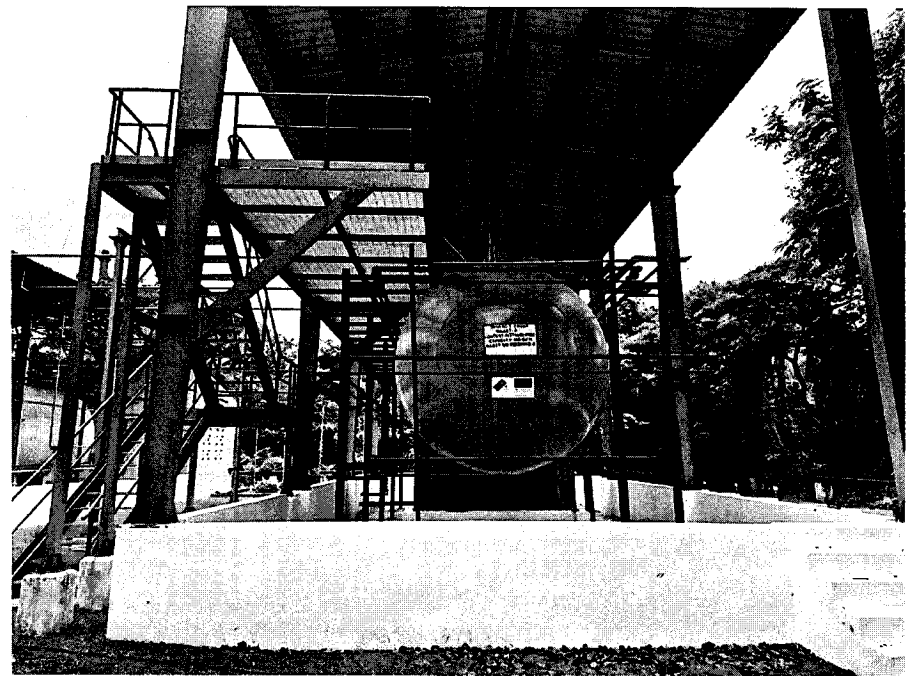
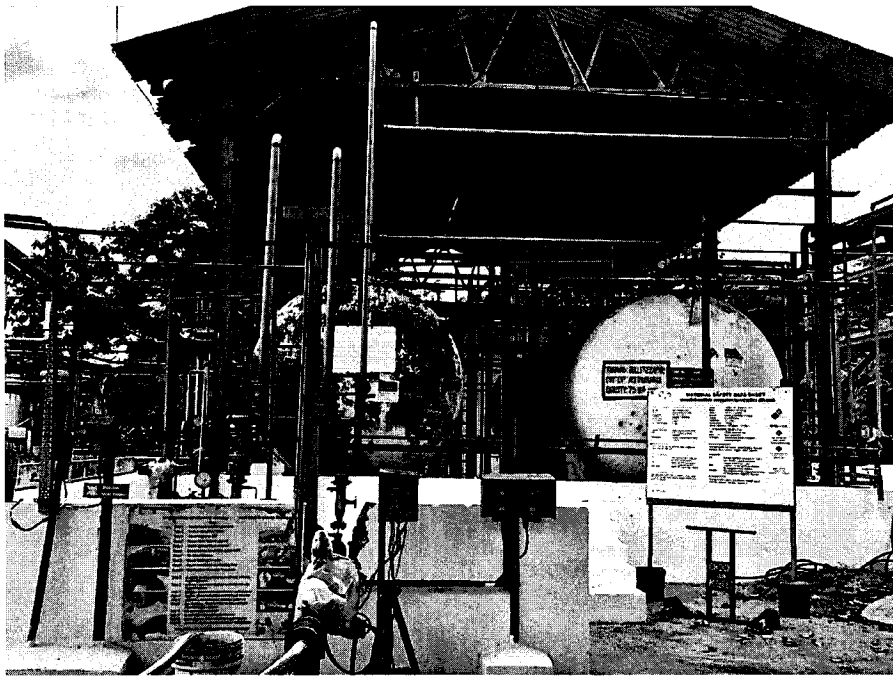
FILLET WELD

ALTERNATION
DATE MADE BY CHK. BY
FOR ALTERATION DETAILS, REFER FIRST SHEET OF THE DRAWING

DRAWN: RJP 25.10.17
CHECKED: SAGAR 25.10.17
APPROVED: ARD 25.10.17
SCALE: NTS
PROJECTION: ARD
DRG.NO: 1718-G-01-001
REV: 0

Annexure 18 - RM Storage Tank







Details of Toxic / Hazardous Raw Material Inventory

S. No	Raw Material	Physical Form	Location	Material classification as per (MSIHC) Rules, 1989	Tank No	Maximum Qty to be stored (MT)	Qty stored at Site (MT)	No of days stored
1	Acetaldehyde	Liquid	Penta plant	Extremely flammable	24001 24002 24003	140	28.6	2.5
2	Methanol	Liquid	Penta plant	Highly flammable	24201 24202 24203 24204	512	48.5	1.6
3	Formaldehyde	Liquid	Penta plant	Toxic	24601 24602	348	287	3.2
4	Sulphuric acid	Liquid	Penta plant	Corrosive	751	21.6	10.28	11
5	caustic	Liquid	Penta plant	Corrosive	100 A	270	246	12
6	Formic acid	Liquid	Penta plant	Corrosive	701	24.75	5.75	19
7	HCL	Liquid	Penta plant	Corrosive	1	23	8.8	15

Annexure 19 - OHC & Medical Test Report



GOVERNMENT OF INDIA
MINISTRY OF LABOUR & EMPLOYMENT
DIRECTORATE GENERAL FACTORY, ADVICE SERVICE & LABOUR INSTITUTES
SION, MUMBAI 400022



CERTIFICATE OF REGISTRATION

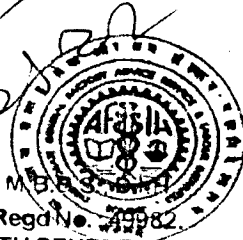
REGISTRATION NUMBER: 03151

DATE: 01.09.2022

NAME	ADDRESS FOR CORRESPONDENCE	QUALIFICATION WITH DURATION OF THE COURSE
DR. K. ANBU KASINATHAN	11, MARIAMMAN KOIL STREET, PONDICHERRY 2021071	ASSOCIATE FELLOW OF INDUSTRIAL HEALTH (Post-Graduate Certificate Course in Industrial Health of three months duration) From 01.11.2021 to 31.01.2022

Certified that the entries made above are extracts from the REGISTER of successful candidates of AFIH Examination maintained by this Department. It is further certified that the qualification meets the requirement as specified in Model Rules framed under Factories (Amendment) Act, 1987.

Member Secretary **Dr. S. BASKARAN**, M.B.B.S.
Academic Council of AFIH MEDICAL OFFICER, Regd No. 75982.
URBAN PRIMARY HEALTH CENTRE
CUDDALORE O.T. - 607003.



Chairman
Academic Council of AFIH



GOVERNMENT OF INDIA
MINISTRY OF LABOUR & EMPLOYMENT
DIRECTORATE GENERAL FACTORY ADVICE SERVICE & LABOUR INSTITUTES
SION, MUMBAI 400022

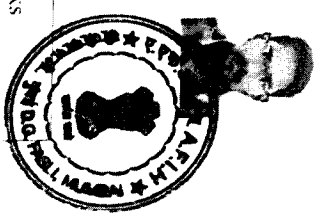
ASSOCIATE FELLOW OF INDUSTRIAL HEALTH EXAMINATION, APRIL, 2022

STATEMENT OF MARKS

NAME: DR. K. ANBIL KASINATHAN

ROLL NO.: 2021071

DATE: 01.09.2022



Examination	Maximum Marks	Minimum Marks required to pass	Marks Obtained	Remarks
Theory (a)	100	50	51.5	PASS
Practical & Viva (b)	100	50	75	
Grand Total (a+b)	200	100	126.5	


Member Secretary
Academic Council of AFTH




Chairman
Academic Council of AFTH



OCCUCARE INDIA
Complete Occupational & Health Care



R NO : C 100

MEDICAL EXAMINATION

NAME : CHANDIRAN SANKAR

AGE : 24 YEARS

GENDER : MALE

CONTRACT : G JAYABAL

CONTRACTOR

DATE : 11.07.2025

General examinations

Systemic examination

HEIGHT : 167 In CMS

CVS : S1S2+

WEIGHT : 70 In Kgs

RS : NVBS+

BLOOD PRESSURE : 120/80 mmHg

CNS : NFND FOUND

PULSE RATE : 89 / min

ABDOMEN : SOFT

GENERAL
APPEARANCE

: GOOD

BMI : 25.1

SKIN : NORMAL

Other Test Details

BLOOD : OK - REPORTS ATTACHED

URINE : OK - REPORTS ATTACHED

PFT : OK - REPORTS ATTACHED

AUDIOMETRY : NOT DONE

ECG : NOT DONE

D.R.MURALITHARAN
M.B.B.S., A.F.I.H.
Reg.No : 66776

Signature of Medical Officer

Registered office :

709 A, 5th North Street, Thiagaraja Nagar,
Tirunelveli - 627 011.

Lab Address :

S2, Aravind apartments, 28/20 Alagiri nagar,
VI th cross street, Vadapalani , Chennai - 600026.

E-mail : occucareindia@gmail.com | care@occucareindia.com web : www.occucareindia.com



OCCUCARE INDIA
Complete Occupational Health Care



REG NO : C 100

BLOOD TEST REPORT

NAME : CHANDIRAN SANKAR CONTRACT : G JAYABAL
AGE : 24 Years CONTRACTOR
GENDER: MALE SAMPLE ON : 11.07.2025
REPORTED ON : 12.07.2025

INVESTIGATION	OBSERVED VALUE & UNITS	REFERENCE RANGES
COMPLETE BLOOD COUNT		
Total W B C s count	: 7450 cells/cumm	4000-11000 cells/cumm
Neutrophils	: 54.4 %	50 - 70 %
Lymphocytes	: 35.8 %	25 - 50 %
Eosinophils	: 2.1 %	1 - 6 %
Monocytes	: 6.2 %	1 - 10 %
Basophils	: 1.5 %	1 - 10 %
Hemoglobin	: 15.7 gm/dl	10.0 - 15.0 gm/dl
PCV Count	: 46 %	34 - 48 %
Red Blood Cells	: 5.48 milli/cumm	4.0 - 6.0 milli/cumm
MCV	: 84 fl	80 - 100 fl
MCH	: 28.6 pg	28 - 34 pg
MCHC	: 34.1 %	32 - 36 %
Platelets Count	: 244 *10 ³ /cumm	150-400*10 ³ /cumm
ESR	: 13 mm/hr	<30
BLOOD GROUPING & TYPING	: O POSITIVE	

Anusha T

DR. ANUSHA, M.B.B.S., DNB (PATHOLOGY)
REG NO : 123377

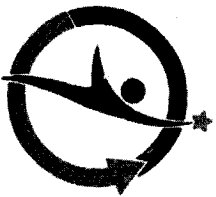
Registered office :

709 A, 5th North Street, Thiyagaraja Nagar,
Tirunelveli - 627 011.

Lab Address :

S2, Aravind apartments, 28/20 Alagiri nagar,
VI th cross street, Vadapalani, Chennai - 600026.

E-mail : occucareindia@gmail.com | care@occucareindia.com web : www.occucareindia.com



OCCUCARE INDIA
Complete Occupational Health Care



REG NO : C 100

BLOOD TEST REPORT

NAME : CHANDIRAN SANKAR

CONTRACT : G JAYABAL
CONTRACTOR

AGE : 24 Years

SAMPLE ON : 11.07.2025

GENDER: MALE

REPORTED ON : 12.07.2025

INVESTIGATION	OBSERVED VALUE & UNITS	REFERENCE RANGES
---------------	------------------------	------------------

BIO CHEMISTRY

RANDOM BLOOD SUGAR : 127.4 mg/dL 80 - 140 mg/dl

LIPID PROFILE

TOTAL CHOLESTEROL	:	164.96 mg/dL	< 200 mg/dl
TRIGLYCERIDES	:	141 mg/dL	< 150mg/dl
HDL	:	47.55 mg/dL	35 - 80 mg/dl
LDL	:	89.21 mg/dL	< 160 mg/dl
VLDL	:	28.20 mg/dL	< 30 mg/dl
CHO / HDL RATIO	:	3.5	< 4.5

Anusha T

DR. ANUSHA, M.B.B.S., DNB (PATHOLOGY)
REG NO : 123377

Registered office :

709 A, 5th North Street, Thiyagaraja Nagar,
Tirunelveli - 627 011.

Lab Address :

S2, Aravind apartments, 28/20 Alagiri nagar,
VI th cross street, Vadapalani , Chennai - 600026.

E-mail : occucareindia@gmail.com | care@occucareindia.com web : www.occucareindia.com



OCCUCARE INDIA
Complete Occupational Health Care



REG NO : C 100

BLOOD TEST REPORT

NAME : CHANDIRAN SANKAR CONTRACT : G JAYABAL
AGE : 24 Years CONTRACTOR
GENDER: MALE SAMPLE ON : 11.07.2025
REPORTED ON : 12.07.2025

INVESTIGATION	OBSERVED VALUE & UNITS	REFERENCE RANGES
---------------	------------------------	------------------

LIVER PROFILE (L.F.T)

Total Bilirubin	:	0.45 mg/dl	0.3 – 1.2 mg/dl
Direct Bilirubin	:	0.11 mg/dl	0.1 – 0.4 mg/dl
Indirect Bilirubin	:	0.34 mg/dl	0.1 – 1.0 mg/dl
S.G.O.T	:	30.63 U/L	0 – 40 U/L
S.G.P.T	:	34.66 U/L	0 – 40 U/L
Alkaline Phosphatase	:	67.9 U/L	40–141 U/L
GAMMA GT (GGT)	:	12.8 U/L	8.0 – 71 U/L
Total PROTEINS, serum	:	7.44 g/dl	6.0 – 8.7 g/dl

RENAL FUNCTION TEST

BLOOD UREA	:	35.34 mg/dL	10.0 – 50.0 mg/dL
SERUM CREATININE	:	0.79 mg/dL	0.60 – 1.40 mg/dL
URIC ACID	:	3.6 mg/dL	2.5 – 7.5 mg/dL

Anusha T

DR. ANUSHA, M.B.B.S., DNB (PATHOLOGY)
REG NO : 123377

Registered office :

709 A, 5th North Street, Thyagaraja Nagar,
Tirunelveli - 627 011.

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OCCUCARE INDIA
Complete Occupational Health Care



REG NO : C 100

URINE ROUTINE TEST REPORT

NAME : CHANDIRAN SANKAR

AGE : 24 Years

GENDER : MALE

CONTRACT : G JAYABAL
CONTRACTOR

TEST DONE ON : 11.07.2025

REPORTED ON : 12.07.2025

INVESTIGATION	OBSERVED VALUE & UNITS	REFERENCE RANGES
---------------	------------------------	------------------

GENERAL EXAMINATION

COLOUR : DARK YELLOW
APPEARANCE : CLEAR

CHEMICAL EXAMINATION

SP. GRAVITY	: 1.020	1.005-1.025
pH	: 6.5	4.5-8
PROTEINS	: NIL	NIL
SUGAR (R)	: NIL	NIL
ACETONE	: NIL	NIL
BILE SALT	: ABSENT	ABSENT
BILE PIGMENTS	: NEGATIVE	NEGATIVE
UROBILINOGEN	: NIL	NIL

MICROSCOPY EXAMINATION

RED BLOOD CELLS	: NIL	NIL
PUS CELLS	: 3-4 /Cells /hpf	≤2-5 WBCs/hpf
EPITHELIAL CELLS	: 2-3 /Cells /hpf	≤15-20 cells/hpf
BACTERIA	: NIL	NIL
OTHERS	: NIL	NIL

Anuska T

DR. ANUSHA, M.B.B.S., DNB (PATHOLOGY)
REG NO : 123377

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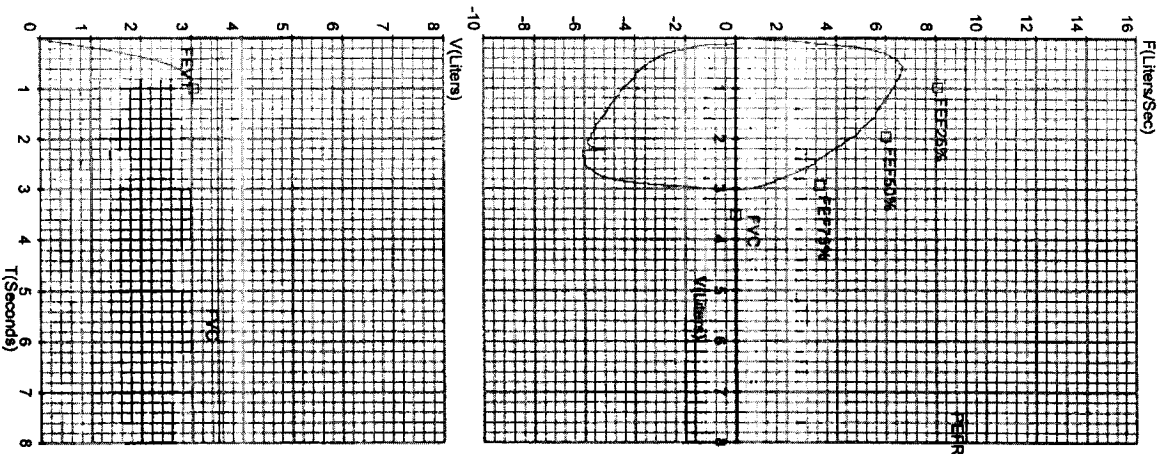
Clarity

OCCUCARE INDIA

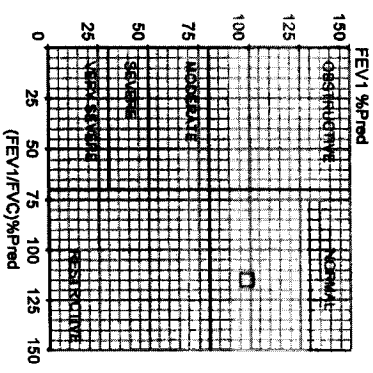
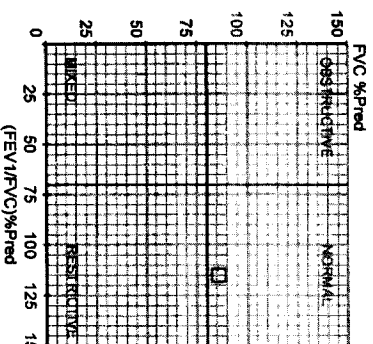
CL 100 - CHANDIRAN .S
24 Years / Male / Ht 167 Cms /70 Kgs / Non-Smoker

FVC TEST
Date: 11-07-2025 (T2)

Pred Eqn : CLARITY Eth.Corr : 100 Temp : 0°C
Ref By : NONE



Parameter	Pred	Pre	Pre%	Post	Post%	Imp%
FVC	[L] 3.52	3.02	86	-	-	-
FEV1	[L] 3.05	3.00	98	-	-	-
FEV.5	[L] -	2.58	-	-	-	-
FEV3	[L] 3.42	-	-	-	-	-
FEV6	[L] -	-	-	-	-	-
PEFR	[L/s] 9.20	6.68	73	-	-	-
FEF25-75	[L/s] 4.60	5.47	119	-	-	-
FEF75-85	[L/s] -	3.35	-	-	-	-
FEF.2-1.2	[L/s] 7.83	6.11	78	-	-	-
FEF25%	[L/s] 8.10	7.50	93	-	-	-
FEF50%	[L/s] 6.02	6.31	105	-	-	-
FEF75%	[L/s] 3.33	4.02	121	-	-	-
FEV.5/FVC	[%] -	85.41	-	-	-	-
FEV1/FVC	[%] 86.44	99.48	115	-	-	-
FEV3/FVC	[%] 97.00	-	-	-	-	-
FEV6/FVC	[%] -	-	-	-	-	-
FEV1/FEV6	[%] -	-	-	-	-	-
FET	[S] -	1.28	-	-	-	-
ExpTime	[S] -	0.10	-	-	-	-
LungAge	[Y] 24.00	24.00	100	-	-	-
FVC	[L] -	2.92	-	-	-	-
PIFR	[L/s] -	6.10	-	-	-	-
PIF25%	[L/s] -	7.45	-	-	-	-
PIF50%	[L/s] -	6.68	-	-	-	-
PIF75%	[L/s] -	5.26	-	-	-	-
FV.5	[L] -	0.02	-	-	-	-
FV1	[L] -	1.10	-	-	-	-
FV3	[L] -	-	-	-	-	-
FV.5/FVC	[%] -	0.54	-	-	-	-
FV1/FVC	[%] -	37.75	-	-	-	-
FV3/FVC	[%] -	-	-	-	-	-

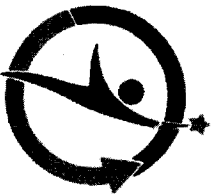


- Pre Medication Report :
Spirometry within Normal range as FVC% >= 80 And
FEV1/FVC% > 70

- Pre COPD Severity Report
COPD Severity within Normal range

- Doctor's Comments :

Dr.P.MURALITHARAN
M.B.S.,A.F.I.M.
Reg.No : 66776



OCCUCARE INDIA
Complete Occupational Health Care



R NO : C 140

MEDICAL EXAMINATION

NAME : JEEVANRAJ

AGE : 34 YEARS

GENDER : MALE

CONTRACT : K SADAIYANDI

LOADING

DATE : 11.07.2025

General examinations

HEIGHT : 177 In CMS

WEIGHT : 80 In Kgs

BLOOD PRESSURE : 120/80 mmHg

PULSE RATE : 88 / min

GENERAL
APPEARANCE : GOOD

SKIN : NORMAL

Systemic examination

CVS : S1S2+

RS : NVBS+

CNS : NEND FOUND

ABDOMEN : SOFT

BMI : 25.5

Other Test Details

BLOOD : OK - REPORTS ATTACHED

URINE : OK - REPORTS ATTACHED

PFT : OK - REPORTS ATTACHED

AUDIOMETRY : NOT DONE

ECG : NOT DONE

D.R.P.MURALITHARAN
M.B.B.S.,A.F.I.H.
Reg.No : 66776

Signature of Medical Officer

Registered office :

709 A, 5th North Street, Thiyagaraja Nagar,
Tirunelveli - 627 011.

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E-mail : occucareindia@gmail.com | care@occucareindia.com web : www.occucareindia.com



OCCUCARE INDIA
Complete Occupational Health Care



REG NO : C 140

BLOOD TEST REPORT

NAME : JEEVANRAJ
AGE : 34 Years
GENDER: MALE

CONTRACT : K SADAIYANDI
LOADING
SAMPLE ON : 11.07.2025
REPORTED ON : 12.07.2025

INVESTIGATION

OBSERVED VALUE & UNITS

REFERENCE RANGES

COMPLETE BLOOD COUNT

Total W B C s count	:	7810 cells/cumm	4000-11000 cells/cumm
Neutrophils	:	40.3 %	50 - 70 %
Lymphocytes	:	42.7 %	25 - 50 %
Eosinophils	:	7.2 %	1 - 6 %
Monocytes	:	8.5 %	1 - 10 %
Basophils	:	1.3 %	1 - 10 %
Hemoglobin	:	15.1 gm/dl	10.0 - 15.0 gm/dl
PCV Count	:	44.8 %	34 - 48 %
Red Blood Cells	:	5.09 milli/cumm	4.0 - 6.0 milli/cumm
MCV	:	87.9 fl	80 - 100 fl
MCH	:	29.7 pg	28 - 34 pg
MCHC	:	33.8 %	32 - 36 %
Platelets Count	:	302 *10 ³ /cumm	150-400*10 ³ /cumm

ESR : 13 mm/hr
BLOOD GROUPING & TYPING : AB POSITIVE

DR. ANUSHA, M.B.B.S., DNB (PATHOLOGY)
REG NO : 123377

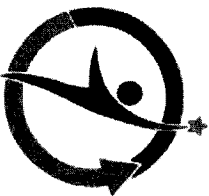
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Tirunelveli - 627 011.

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S2, Aravind apartments, 28/20 Alagiri nagar,
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OCCUCARE INDIA
Complete Occupational Health Care



REG NO : C 140

BLOOD TEST REPORT

NAME : JEEVANRAJ

CONTRACT : K SADAIVANDI
LOADING

AGE : 34 Years

SAMPLE ON : 11.07.2025

GENDER: MALE

REPORTED ON : 12.07.2025

INVESTIGATION	OBSERVED VALUE & UNITS	REFERENCE RANGES
---------------	------------------------	------------------

BIO CHEMISTRY

RANDOM BLOOD SUGAR	: 90.7 mg/dL	80 - 140 mg/dl
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LIPID PROFILE

TOTAL CHOLESTEROL	: 165.06 mg/dL	< 200 mg/dl
TRIGLYCERIDES	: 135.78 mg/dL	< 150mg/dl
HDL	: 55.55 mg/dL	35 - 80 mg/dl
LDL	: 82.35 mg/dL	< 160 mg/dl
VLDL	: 27.16 mg/dL	< 30 mg/dl
CHO / HDL RATIO	: 3.0	< 4.5

Anushta.T

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OCCUCARE INDIA
Complete Occupational Health Care



REG NO : C 140

BLOOD TEST REPORT

NAME : JEEVANRAJ

CONTRACT : K SADAIYANDI

AGE : 34 Years

LOADING

GENDER: MALE

SAMPLE ON : 11.07.2025

REPORTED ON : 12.07.2025

INVESTIGATION	OBSERVED VALUE & UNITS	REFERENCE RANGES
---------------	------------------------	------------------

LIVER PROFILE (L.F.T)

Total Bilirubin	:	0.86 mg/dl	0.3 – 1.2 mg/dl
Direct Bilirubin	:	0.37 mg/dl	0.1 – 0.4 mg/dl
Indirect Bilirubin	:	0.49 mg/dl	0.1 – 1.0 mg/dl
S.G.O.T	:	32.6 U/L	0 – 40 U/L
S.G.P.T	:	31.39 U/L	0 – 40 U/L
Alkaline Phosphatase	:	72.3 U/L	40– 141 U/L
GAMMA GT (GGT)	:	15.8 U/L	8.0 – 71 U/L
Total PROTEINS, serum	:	7.02 g/dl	6.0 – 8.7 g/dl

RENAL FUNCTION TEST

BLOOD UREA	:	28.18 mg/dL	10.0 – 50.0 mg/dL
SERUM CREATININE	:	0.72 mg/dL	0.60 – 1.40 mg/dL
URIC ACID	:	3.7 mg/dL	2.5 – 7.5 mg/dL

Anusha T

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REG NO : 123377

Registered office :

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Lab Address :

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OCCUCARE INDIA
Complete Occupational Health Care



REG NO : C 140

URINE ROUTINE TEST REPORT

NAME : JEEVANRAJ

AGE : 34 Years

GENDER : MALE

**CONTRACT : K SADAIVANDI
LOADING**

TEST DONE ON : 11.07.2025

REPORTED ON : 12.07.2025

INVESTIGATION	OBSERVED VALUE & UNITS	REFERENCE RANGES
---------------	------------------------	------------------

GENERAL EXAMINATION

COLOUR : STRAW YELLOW
APPEARANCE : CLEAR

CHEMICAL EXAMINATION

SP. GRAVITY	: 1.020	1.005-1.025
pH	: 5.0	4.5-8
PROTEINS	: NIL	NIL
SUGAR (R)	: NIL	NIL
ACETONE	: NIL	NIL
BILE SALT	: ABSENT	ABSENT
BILE PIGMENTS	: NEGATIVE	NEGATIVE
UROBILINOGEN	: NIL	NIL

MICROSCOPY EXAMINATION

RED BLOOD CELLS	: NIL	NIL
PUS CELLS	: 1-3 /Cells /hpf	≤2-5 WBCs/hpf
EPITHELIAL CELLS	: 1-3 /Cells /hpf	≤15-20 cells/hpf
BACTERIA	: NIL	NIL
OTHERS	: NIL	NIL

Anuska T

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REG NO : 123377

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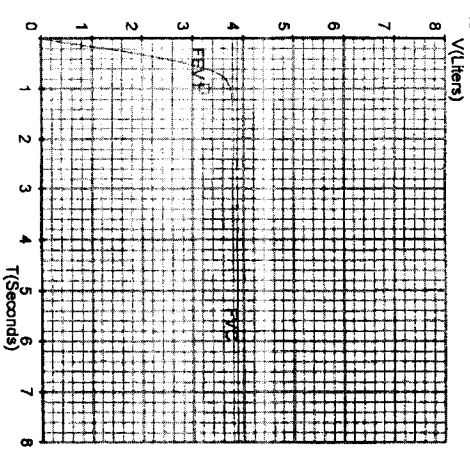
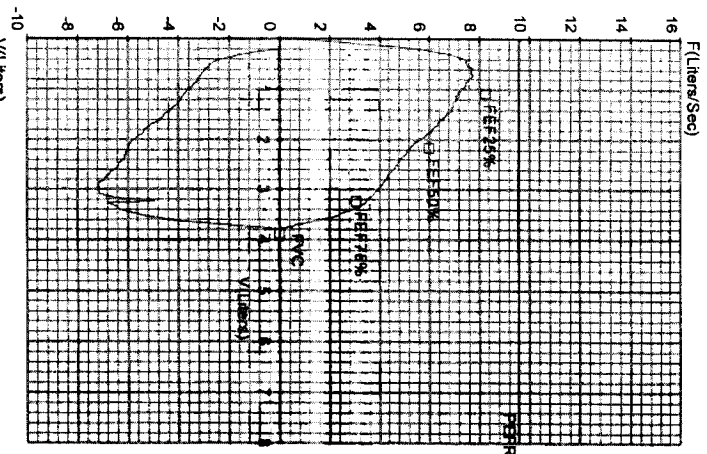
Clarity

OCCUCARE INDIA

CL 140 - JEEVANRAJ
34 Years / Male / Ht 177 Cms /80 Kgs / Non-Smoker

FVC TEST
Date: 11-07-2025 (T2)

Pred Eqn : CLARITY Ethn Corr : 100 Temp : 0°C
Ref By : NONE

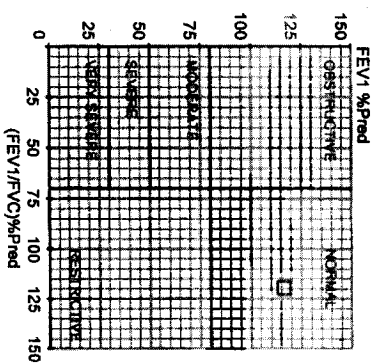
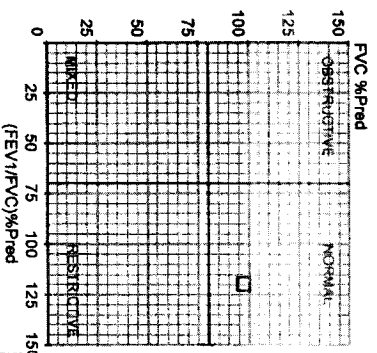


Parameter	Pred	Pre	Pre%	Post	Post%	Imp%
FVC	[L] 3.88	3.78	97	-	-	-
FEV1	[L] 3.24	3.76	116	-	-	-
FEV5	[L] -	3.00	-	-	-	-
FEV3	[L] 3.77	-	-	-	-	-
FEV6	[L] -	-	-	-	-	-
PEFR	[L/s] 9.56	7.71	81	-	-	-
FEF25-75	[L/s] 4.34	5.87	135	-	-	-
FEF75-85	[L/s] -	3.92	-	-	-	-
FEF 2-12	[L/s] 7.66	7.07	92	-	-	-
FEF25%	[L/s] 8.25	8.41	102	-	-	-
FEF50%	[L/s] 5.98	6.87	111	-	-	-
FEF75%	[L/s] 3.06	4.65	152	-	-	-
FEV 5/FVC	[%] -	79.59	-	-	-	-
FEV1/FVC	[%] 83.32	99.58	120	-	-	-
FEV3/FVC	[%] 97.00	-	-	-	-	-
FEV6/FVC	[%] -	-	-	-	-	-
FEV1/FEV6	[%] -	-	-	-	-	-
FET	[S] -	1.03	-	-	-	-
ExptTime	[S] -	0.09	-	-	-	-
Lungage	[T] 34.00	29.00	85	-	-	-
FVC	[L] -	3.57	-	-	-	-
PIFR	[L/s] -	7.18	-	-	-	-
FI F25%	[L/s] -	8.33	-	-	-	-
FI F50%	[L/s] -	7.26	-	-	-	-
FI F75%	[L/s] -	5.51	-	-	-	-
FI V5	[L] -	0.02	-	-	-	-
FI V1	[L] -	2.45	-	-	-	-
FI V3	[L] -	-	-	-	-	-
FI V5/FVC	[%] -	0.44	-	-	-	-
FI V1/FVC	[%] -	68.46	-	-	-	-
FI V3/FVC	[%] -	-	-	-	-	-

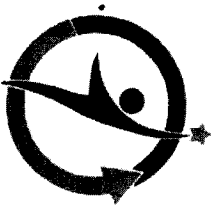
- Pre Medication Report :
Spirometry within Normal range as FVC% >= 80 And
FEV1/FVC% > 70

- Pre COPD Severity Report:
COPD Severity within Normal range

- Doctor's Comments :



Dr.P.MURALITHARAN
M.B.B.S.,A.F.I.M.
Reg.No : 66778



OCCUCARE INDIA
Complete Occupational Health Care



R NO : E 35

MEDICAL EXAMINATION

NAME : K Sakthivel
AGE : 41 YEARS
GENDER : MALE
EMPLOYEE ID : 401608
DATE : 11.07.2025

General examinations

Systemic examination

HEIGHT	: 183 ln CMS	CVS	: S1S2+
WEIGHT	: 87 ln Kgs	RS	: NVBS+
BLOOD PRESSURE	: 120/80 mmHg	CNS	: NEND FOUND
PULSE RATE	: 81 / min	ABDOMEN	: SOFT
GENERAL APPEARANCE	: GOOD	BMI	: 26.0
SKIN	: NORMAL		
<u>Other Test Details</u>			
BLOOD	: OK - REPORTS ATTACHED		
URINE	: OK - REPORTS ATTACHED		
PFT	: OK - REPORTS ATTACHED		
AUDIOMETRY	: OK - REPORTS ATTACHED		

Dr.P.MURALITHARAN
M.B.B.S.,A.F.I.H.
Reg.No : 66776

Signature of Medical Officer

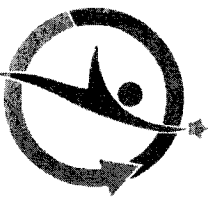
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Tirunelveli - 627 011.

Lab Address :

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E-mail : occucareindia@gmail.com | care@occucareindia.com web : www.occucareindia.com



OCCUCARE INDIA
Complete Occupational Health Care



REG NO : E 35

BLOOD TEST REPORT

NAME : K Sakthivel

EMPLOYEE ID : 401608

AGE : 41 Years

SAMPLE ON : 11.07.2025

GENDER: MALE

REPORTED ON : 12.07.2025

INVESTIGATION

OBSERVED VALUE & UNITS

REFERENCE RANGES

COMPLETE BLOOD COUNT

Total W B C s count	:	7080 cells/cumm	4000-11000 cells/cumm
Neutrophils	:	44.5 %	50 - 70 %
Lymphocytes	:	45 %	25 - 50 %
Eosinophils	:	3.5 %	1 - 6 %
Monocytes	:	6 %	1 - 10 %
Basophils	:	1 %	1 - 10 %
Hemoglobin	:	16 gm/dl	10.0 - 15.0 gm/dl
PCV Count	:	45 %	34 - 48 %
Red Blood Cells	:	4.8 mill/cumm	4.0 - 6.0 mill/cumm
MCV	:	93.8 fl	80 - 100 fl
MCH	:	33.3 pg	28 - 34 pg
MCHC	:	35.5 %	32 - 36 %
Platelets Count	:	233 *10 ³ /cumm	150-400*10 ³ /cumm
ESR	:	11 mm/hr	<30
BLOOD GROUPING & TYPING	:	B POSITIVE	

Anusheela T

DR. ANUSHA, M.B.B.S., DNB (PATHOLOGY)
REG NO : 123377

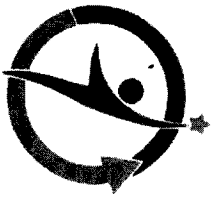
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OCCUCARE INDIA
Complete Occupational Health Care



REG NO : E 35

BLOOD TEST REPORT

NAME : K Sakthivel

EMPLOYEE ID : 401608

AGE : 41 Years

SAMPLE ON : 11.07.2025

GENDER: MALE

REPORTED ON : 12.07.2025

INVESTIGATION	OBSERVED VALUE & UNITS	REFERENCE RANGES
---------------	------------------------	------------------

BIO CHEMISTRY

RANDOM BLOOD SUGAR	: 89.1 mg/dL	80 - 140 mg/dl
--------------------	--------------	----------------

LIPID PROFILE

TOTAL CHOLESTEROL	: 187.78 mg/dL	< 200 mg/dl
TRIGLYCERIDES	: 137.39 mg/dL	< 150mg/dl
HDL	: 47.07 mg/dL	35 - 80 mg/dl
LDL	: 113.23 mg/dL	< 160 mg/dl
VLDL	: 27.48 mg/dL	< 30 mg/dl
CHO / HDL RATIO	: 4.0	< 4.5

DR. ANUSHA, M.B.B.S., DNB (PATHOLOGY)
REG NO : 123377

Anusha.T

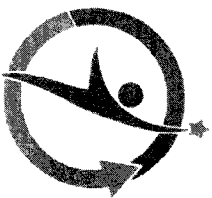
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OCCUCARE INDIA
Complete Occupational Health Care



REG NO : E 35

BLOOD TEST REPORT

NAME : K Sakthivel
AGE : 41 Years
GENDER: MALE

EMPLOYEE ID : 401608
SAMPLE ON : 11.07.2025
REPORTED ON : 12.07.2025

INVESTIGATION	OBSERVED VALUE & UNITS	REFERENCE RANGES
---------------	------------------------	------------------

LIVER PROFILE (L.F.T)

Total Bilirubin	: 0.44 mg/dl	0.3 - 1.2 mg/dl
Direct Bilirubin	: 0.13 mg/dl	0.1 - 0.4 mg/dl
Indirect Bilirubin	: 0.31 mg/dl	0.1 - 1.0 mg/dl
S.G.O.T	: 24.72 U/L	0 - 40 U/L
S.G.P.T	: 34.06 U/L	0 - 40 U/L
Alkaline Phosphatase	: 104.8 U/L	40- 141 U/L
GAMMA GT (GGT)	: 28 U/L	8.0 - 71 U/L
Total PROTEINS, serum	: 7.14 g/dl	6.0 - 8.7 g/dl

RENAL FUNCTION TEST

BLOOD UREA	: 25.55 mg/dL	10.0 - 50.0 mg/dL
SERUM CREATININE	: 0.93 mg/dL	0.60 - 1.40 mg/dL
URIC ACID	: 5.3 mg/dL	2.5 - 7.5 mg/dL

Anusha T

DR. ANUSHA, M.B.,B.S., DNB (PATHOLOGY)
REG NO : 123377

Registered office :

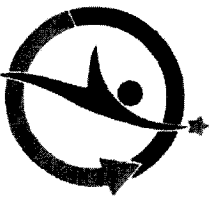
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E-mail : occucareindia@gmail.com | care@occucareindia.com

Lab Address :

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VI th cross street, Vadapalani, Chennai - 600026.

web : www.occucareindia.com



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Complete Occupational Health Care



REG NO : E 35

URINE ROUTINE TEST REPORT

NAME : K Sakthivel
AGE : 41 Years
GENDER : MALE

EMPLOYEE ID : 401608
TEST DONE ON : 11.07.2025
REPORTED ON : 12.07.2025

INVESTIGATION	OBSERVED VALUE & UNITS	REFERENCE RANGES
---------------	------------------------	------------------

GENERAL EXAMINATION

COLOUR : Pale Yellow
APPEARANCE : CLEAR

CHEMICAL EXAMINATION

SP. GRAVITY	:	1.010	1.005-1.025
pH	:	5.0	4.5-8
PROTEINS	:	NIL	NIL
SUGAR (R)	:	NIL	NIL
ACETONE	:	NIL	NIL
BILE SALT	:	ABSENT	ABSENT
BILE PIGMENTS	:	NEGATIVE	NEGATIVE
UROBILINOGEN	:	NIL	NIL

MICROSCOPY EXAMINATION

RED BLOOD CELLS	:	NIL	NIL
PUS CELLS	:	2-3/cells /hpf	≤2-5 WBCs/hpf
EPITHELIAL CELLS	:	1-2/cells /hpf	≤15-20 cells/hpf
BACTERIA	:	NIL	NIL
OTHERS	:	NIL	NIL

DR. ANUSHA, M.B.B.S., DNB (PATHOLOGY)
REG NO : 123377

Anusha T

Registered office :

709 A, 5th North Street, Thyagaraja Nagar,
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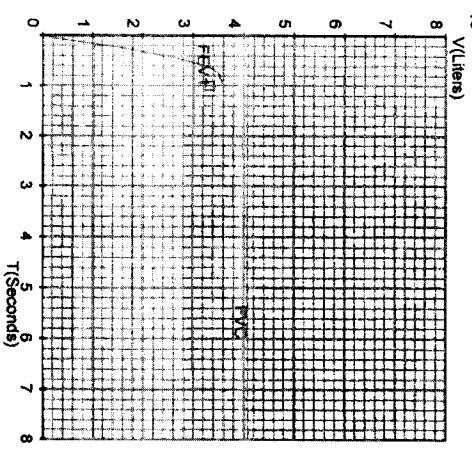
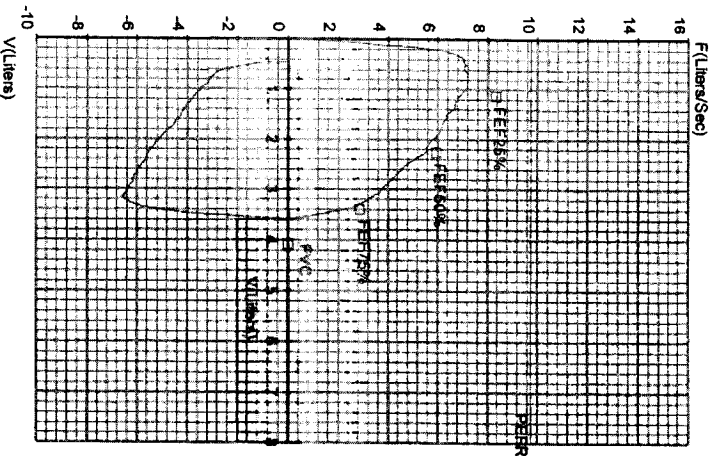
Clarity

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E 35 - SAKTHIVEL K
41 Years / Male / Ht 183 Cms /87 Kgs / Non-Smoker

FVC TEST
Date: 11-07-2025 (T1)

Pred Eqn : CLARITY Ref By : NONE Eth.Corr : 100 Temp : 0°C

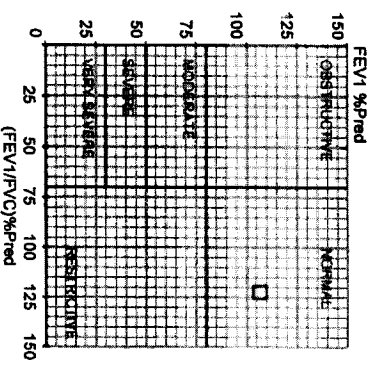
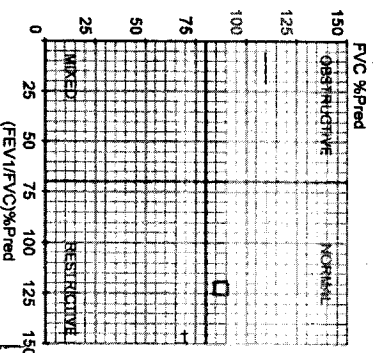


Parameter	Pred	Pre	Pre%	Post	Post%	Imp%
FVC	[L] 4.09	3.57	87	-	-	-
FEV1	[L] 3.33	3.55	107	-	-	-
FEV5	[L] -	2.98	-	-	-	-
FEV3	[L] 3.96	-	-	-	-	-
FEV6	[L] -	-	-	-	-	-
PEFR	[L/s] 9.74	7.22	74	-	-	-
FEF25-75	[L/s] 4.14	6.02	145	-	-	-
FEF75-85	[L/s] -	4.07	-	-	-	-
FEF2-12	[L/s] 7.49	6.76	90	-	-	-
HEF25%	[L/s] 8.32	8.17	98	-	-	-
FEF50%	[L/s] 5.93	6.96	117	-	-	-
FEF75%	[L/s] 2.86	4.90	171	-	-	-
FEV5/FVC	[%] -	83.38	-	-	-	-
FEV1/FVC	[%] 81.47	99.56	122	-	-	-
FEV3/FVC	[%] 97.00	-	-	-	-	-
FEV6/FVC	[%] -	-	-	-	-	-
FEV1/FEV6	[%] -	-	-	-	-	-
FET	[s] -	0.86	-	-	-	-
ExpiTime	[s] -	0.11	-	-	-	-
LungAge	[Y] 41.00	38.00	93	-	-	-
FVC	[L] -	3.13	-	-	-	-
PIFR	[L/s] -	6.58	-	-	-	-
PIF25%	[L/s] -	8.11	-	-	-	-
PIF50%	[L/s] -	7.49	-	-	-	-
PIF75%	[L/s] -	6.48	-	-	-	-
FIV5	[L] -	0.02	-	-	-	-
FIV1	[L] -	0.89	-	-	-	-
FIV3	[L] -	-	-	-	-	-
FIV5/FIVC	[%] -	0.50	-	-	-	-
FIV1/FIVC	[%] -	28.41	-	-	-	-
FIV3/FIVC	[%] -	-	-	-	-	-

- Pre Medication Report :
Spirometry within Normal range as FVC% >= 80 And
FEV1/FVC% > 70

- Pre COPD Severity Report:
COPD Severity within Normal range

- Doctor's Comments :





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Complete Occupational Health Care



NAME : K Sakthivel

REG NO : E 35

AGE: 41 Years

EMP ID : 401608

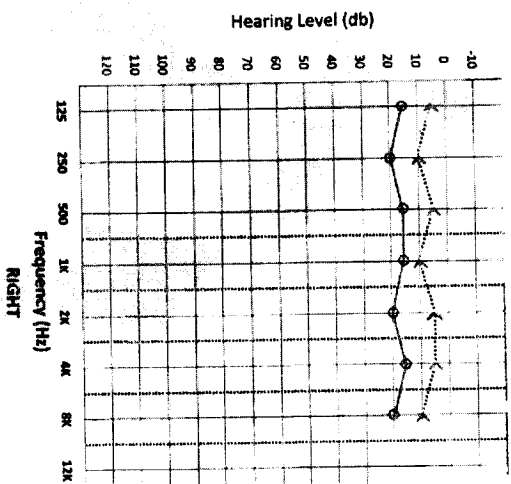
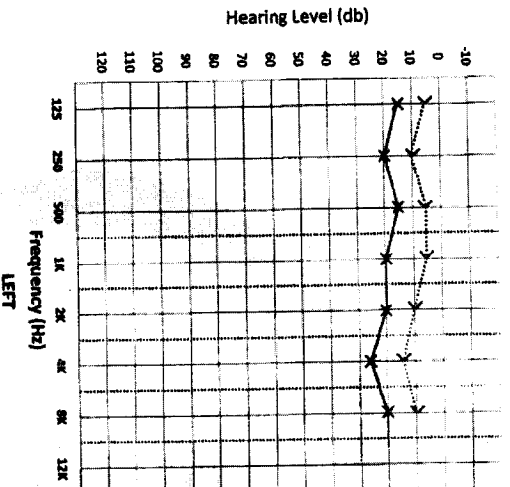
GENDER: MALE

DATE: 11.07.2025

PURE TONE AUDIOMETRY

ACOACMABCMBC<

ACXACM□BCMCBC>



Mode/ Ear	Air Conduction		Bone Conduction		Colour Code
	Masked	Unmasked	Masked	Unmasked	
LEFT	□	X	∪	>	Blue
RIGHT	Δ	O	C	<	Red

NO RESPONSE : Add below the respective symbols

Threshold in dB	RIGHT	LEFT
AIR CONDUCTION		
BONE CONDUCTION		
SPEECH		

IMPRESSION : NORMAL HEARING IN BOTH EARS

DR. JERIC ASHWIN
M.B.B.S., M.S. (Oto-Rhino-Laryngology)
Reg. No: 123693

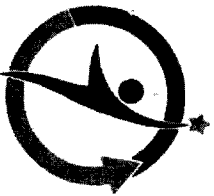
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R NO : E 93

MEDICAL EXAMINATION

NAME : V Praveen Kumar EMPLOYEE ID : 124557
AGE : 35 YEARS DATE : 11.07.2025
GENDER : MALE

General examinations

Systemic examination

HEIGHT	: 169 In CMS	CVS	: S1S2+
WEIGHT	: 76 In Kgs	RS	: NVBS+
BLOOD PRESSURE	: 110/60 mmHg	CNS	: NFND FOUND
PULSE RATE	: 68 / min	ABDOMEN	: SOFT
GENERAL APPEARANCE	: GOOD	BMI	: 26.6
SKIN	: NORMAL		
<u>Other Test Details</u>			
BLOOD	: OK - REPORTS ATTACHED		
URINE	: OK - REPORTS ATTACHED		
PFT	: OK - REPORTS ATTACHED		
AUDIOMETRY	: OK - REPORTS ATTACHED		

DR.P.MURALITHARAN
M.B.B.S.,A.F.I.H.
Reg.No : 66776

Signature of Medical Officer

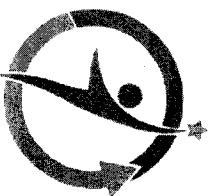
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Complete Occupational Health Care



REG NO : E 93

BLOOD TEST REPORT

NAME : V Praveen Kumar
AGE : 35 Years
GENDER: MALE
EMPLOYEE ID : 124557
SAMPLE ON : 11.07.2025
REPORTED ON : 12.07.2025

INVESTIGATION

OBSERVED VALUE & UNITS

REFERENCE RANGES

COMPLETE BLOOD COUNT

Total W B C s count	:	7780 cells/cumm	4000-11000 cells/cumm
Neutrophils	:	57.8 %	50 - 70 %
Lymphocytes	:	31.7 %	25 - 50 %
Eosinophils	:	2.5 %	1 - 6 %
Monocytes	:	7.5 %	1 - 10 %
Basophils	:	0.5 %	1 - 10 %
Hemoglobin	:	16.1 gm/dl	10.0 -15.0 gm/dl
PCV Count	:	46.1 %	34 - 48 %
Red Blood Cells	:	5.18 milli/cumm	4.0 - 6.0 milli/cumm
MCV	:	89.1 fl	80 - 100 fl
MCH	:	31.1 pg	28 - 34 pg
MCHC	:	34.9 %	32 - 36 %
Platelets Count	:	246 *10 ³ /cumm	150-400*10 ³ /cumm

ESR

: 12 mm/hr

<30

BLOOD GROUPING &
TYPING

: * B POSITIVE *

Anusula.T

DR . ANUSHA, M.B.,B.S, DNB (PATHOLOGY)
REG NO : 123377

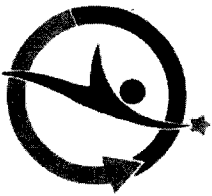
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OCCUCARE INDIA
Complete Occupational Health Care



REG NO : E 93

BLOOD TEST REPORT

NAME : V Praveen Kumar

EMPLOYEE ID : 124557

AGE : 35 Years

SAMPLE ON : 11.07.2025

GENDER: MALE

REPORTED ON : 12.07.2025

INVESTIGATION	OBSERVED VALUE & UNITS	REFERENCE RANGES
---------------	------------------------	------------------

BIO CHEMISTRY

RANDOM BLOOD SUGAR	: 84.5 mg/dL	80 - 140 mg/dl
--------------------	--------------	----------------

LIPID PROFILE

TOTAL CHOLESTEROL	: 185.11 mg/dL	< 200 mg/dl
TRIGLYCERIDES	: 158.57 mg/dL	< 150mg/dl
HDL	: 40.87 mg/dL	35 – 80 mg/dl
LDL	: 112.53 mg/dL	< 160 mg/dl
VLDL	: 31.71 mg/dL	< 30 mg/dl
CHO / HDL RATIO	: 4.5	< 4.5

Anusha.T

DR. ANUSHA, M.B.B.S., DNB (PATHOLOGY)
REG NO : 123377

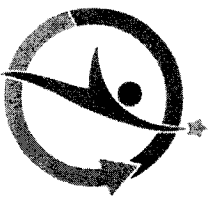
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Complete Occupational Health Care



REG NO : E 93

BLOOD TEST REPORT

NAME : V Praveen Kumar EMPLOYEE ID : 124557
AGE : 35 Years SAMPLE ON : 11.07.2025
GENDER: MALE REPORTED ON : 12.07.2025

INVESTIGATION	OBSERVED VALUE & UNITS	REFERENCE RANGES
---------------	------------------------	------------------

LIVER PROFILE (L.F.T)

Total Bilirubin	:	0.86 mg/dl	0.3 – 1.2 mg/dl
Direct Bilirubin	:	0.34 mg/dl	0.1 – 0.4 mg/dl
Indirect Bilirubin	:	0.52 mg/dl	0.1 – 1.0 mg/dl
S.G.O.T	:	25.61 U/L	0 – 40 U/L
S.G.P.T	:	37.53 U/L	0 – 40 U/L
Alkaline Phosphatase	:	71.4 U/L	40– 141 U/L
GAMMA GT (GGT)	:	31.9 U/L	8.0 – 71 U/L
Total PROTEINS, serum	:	7.36 g/dl	6.0 – 8.7 g/dl

RENAL FUNCTION TEST

BLOOD UREA	:	19.94 mg/dl	10.0 – 50.0 mg/dl
SERUM CREATININE	:	0.72 mg/dL	0.60 – 1.40 mg/dL
URIC ACID	:	4.7 mg/dL	2.5 – 7.5 mg/dL

Anusha T

DR. ANUSHA, M.B.B.S., DNB (PATHOLOGY)
REG NO : 123377

Registered office :

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REG NO : E 93

URINE ROUTINE TEST REPORT

NAME : V Praveen Kumar

EMPLOYEE ID : 124557

AGE : 35 Years

TEST DONE ON : 11.07.2025

GENDER : MALE

REPORTED ON : 12.07.2025

INVESTIGATION	OBSERVED VALUE & UNITS	REFERENCE RANGES
---------------	------------------------	------------------

GENERAL EXAMINATION

COLOUR : Straw Yellow
APPEARANCE : CLEAR

CHEMICAL EXAMINATION

SP. GRAVITY	:	1.015	1.005-1.025
pH	:	5.5	4.5-8
PROTEINS	:	NIL	NIL
SUGAR (R)	:	NIL	NIL
ACETONE	:	NIL	NIL
BILE SALT	:	ABSENT	ABSENT
BILE PIGMENTS	:	NEGATIVE	NEGATIVE
UROBILINOGEN	:	NIL	NIL

MICROSCOPY EXAMINATION

RED BLOOD CELLS	:	NIL	NIL
PUS CELLS	:	2-4 /Cells /hpf	≤2-5 WBCs/hpf
EPITHELIAL CELLS	:	1-2/cells /hpf	≤15-20 cells/hpf
BACTERIA	:	NIL	NIL
OTHERS	:	NIL	NIL

Anusha T

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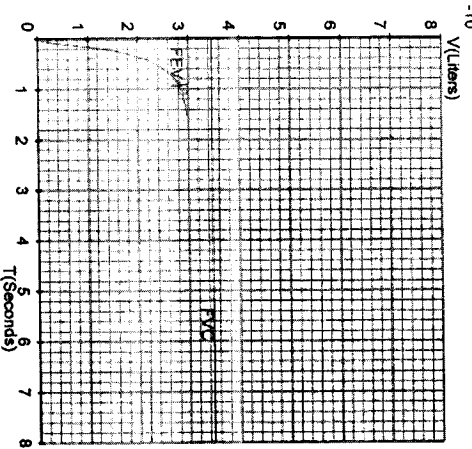
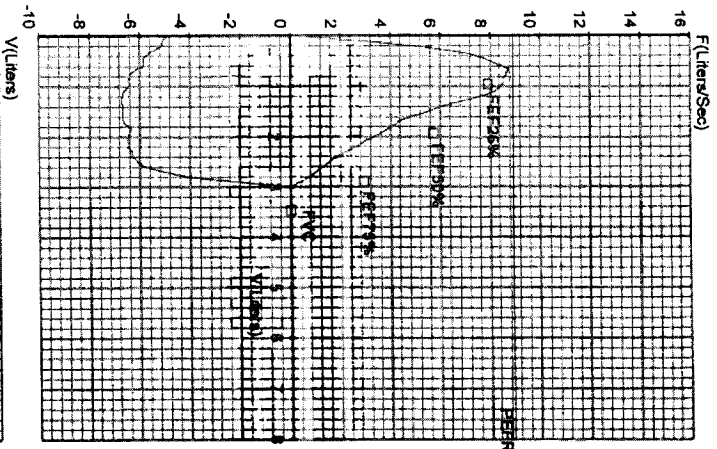
Clarity

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E 93 - PRAVEENKUMAR.V
35 Years / Male / Ht 169 Cms / 76 Kgs / Non-Smoker

FVC TEST
Date: 11-07-2025 (T1)

Pred Eqn : CLARITY Eth.Corr : 100 Temp : 0°C
Ref By : NONE

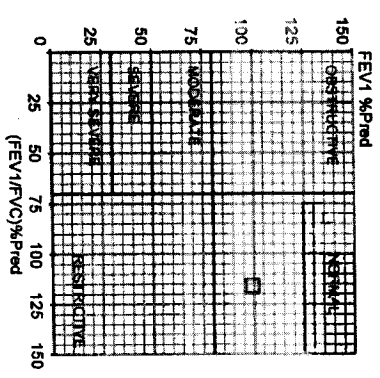
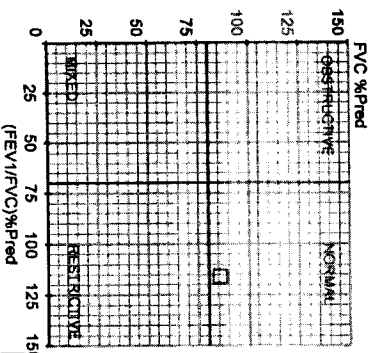


Parameter	Pred	Pre	Pre%	Post	Post%	Imp%
FVC	[L] 3.47	2.97	86	-	-	-
FEV1	[L] 2.90	2.88	99	-	-	-
FEV5	[L] -	2.43	-	-	-	-
FEV3	[L] 3.37	2.88	85	-	-	-
FEV6	[L] -	-	-	-	-	-
PEFR	[L/s] 8.95	8.72	97	-	-	-
FEF25-75	[L/s] 4.15	5.84	141	-	-	-
FEF75-85	[L/s] -	2.07	-	-	-	-
FEF2-12	[L/s] 7.18	7.71	107	-	-	-
FEF25%	[L/s] 7.95	9.79	123	-	-	-
FEF50%	[L/s] 5.74	6.20	108	-	-	-
FEF75%	[L/s] 2.91	2.66	91	-	-	-
FEV5/FVC	[%] -	81.82	-	-	-	-
FEV1/FVC	[%] 83.43	96.84	116	-	-	-
FEV3/FVC	[%] 97.00	96.84	100	-	-	-
FEV6/FVC	[%] -	-	-	-	-	-
FEV1/FEV6	[%] -	-	-	-	-	-
FET	[s] -	4.43	-	-	-	-
ExptTime	[s] -	0.12	-	-	-	-
LungAge	[Y] 35.00	35.00	100	-	-	-
FVC	[L] -	3.60	-	-	-	-
PIFR	[L/s] -	6.75	-	-	-	-
FI25%	[L/s] -	9.67	-	-	-	-
FI50%	[L/s] -	5.17	-	-	-	-
FI75%	[L/s] -	1.67	-	-	-	-
FI5	[L] -	0.02	-	-	-	-
FI1	[L] -	0.66	-	-	-	-
FI3	[L] -	-	-	-	-	-
FI5/FI3	[%] -	0.44	-	-	-	-
FI1/FI3	[%] -	18.24	-	-	-	-
FI3/FI3	[%] -	-	-	-	-	-

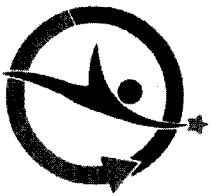
- Pre Medication Report :
Spirometry within Normal range as FVC% >= 80 And
FEV1/FVC% > 70

- Pre COPD Severity Report:
COPD Severity within Normal range

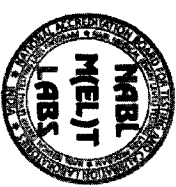
- Doctor's Comments :



DR.P.MURALITHARAN
M.B.B.S.,A.F.I.M.
Reg.No : 66776



OCCUCARE INDIA
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NAME : V Praveen Kumar

REG NO : E 93

AGE: 35 Years

EMP ID : 124557

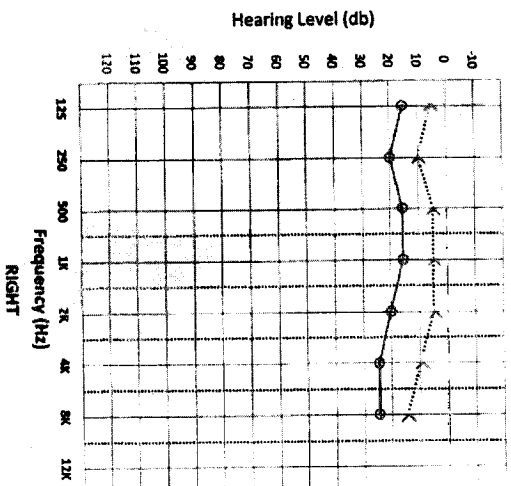
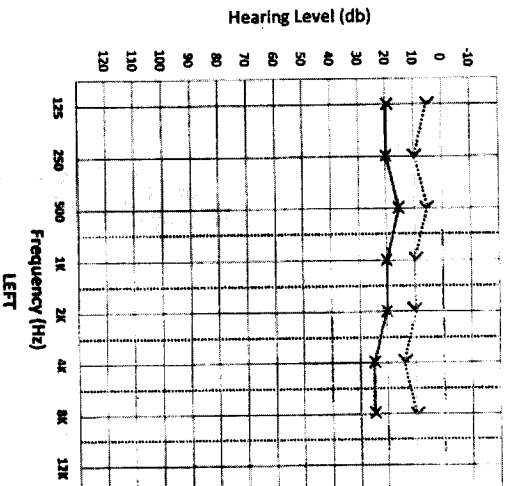
GENDER: MALE

DATE: 11.07.2025

PURE TONE AUDIOMETRY

ACOACMABCMBCBC<

ACXACM□BCMCBC>



Model/ Ear	Air Conduction		Bone Conduction		Colour Code
	Masked	Unmasked	Masked	Unmasked	
LEFT	□	X	∩	>	Blue
RIGHT	Δ	O	C	<	Red

Threshold in dB		RIGHT	LEFT
AIR CONDUCTION			
BONE CONDUCTION			
SPEECH			

NO RESPONSE : Add below the respective symbols

IMPRESSION : NORMAL HEARING IN BOTH EARS

Dr. JERIC ASHWIN
MBBS, MS (Oto-Rhino-Laryngology)
Reg. No: 123693

Registered office :

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Tirunelveli - 627 011.

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Annexure 20 - LED Bulbs usage



Galaxy S24 FE

Annexure 21 - DG Acoustic Enclosure

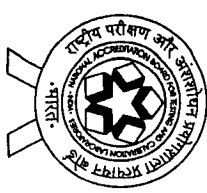




SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT



TC-6118

U/LR - TC611825000023935F

Page 1 of 1

Report No : ENQ250514001-12

Report Date : 17 May 2025

Customer Name : M/s. ASIAN PAINTS LIMITED. (PENTA DIVISION)

Customer Address : B5 - B10, Sipcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.

Sample Name	: Ambient Noise Level Monitoring (Day)	Sampling Date	: 13 May 2025
Sample Description	: Ambient Noise Level Monitoring (Day)	Sample Received on	: 14 May 2025
Reference	: Test Request Form Dated 12.05.2025	Test Started on	: 15 May 2025
Sample Drawn By	: Laboratory	Test Completed on	: 17 May 2025
Sampling Procedure	: IS 9889		

TEST RESULTS

Sl. No	Location	Noise Level dB (A)	CPCB Standards (Industrial Area) For Noise in Leq dB (A)
		Day Time	Day Limit
1	Near Northern Side Compound Wall	58.0	75 dB (A)
2	Near East Side Compound Wall	57.1	
3	Near North East Side Compound Wall	60.9	
4	Near ETP	60.1	
5	Near Southern Side Compound Wall	57.9	
6	Near Main Gate	62.0	
7	Near Western Side Compound Wall	58.8	
8	Near Vehicle Shed	55.1	
9	Near Old Gate	58.9	
10	Near South East Compound Wall	56.8	

Conclusion : The above tested Sample Conforms to the CPCB Standards for the above tested Locations.

/***** End of the Report *****/

MS

M. Sarathkumar

Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Pudukottam Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

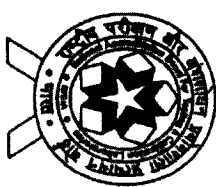
Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements; while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.



SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT



TC-6118

ULR - TC611825000040995F

Page 1 of 1

Report No : ENQ250825024-01

Report Date : 26 Aug 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005.
Sample Name : Ambient Noise Level Monitoring (Day & Night) Sampling Date : 23 Aug 2025
Sample Description : Ambient Noise Level Monitoring (Day & Night) Sample Received on : 25 Aug 2025
Reference : Test Request Form Dated 23.08.2025 Test Started on : 25 Aug 2025
Sample Drawn By : Laboratory Test Completed on : 25 Aug 2025
Sampling Procedure : IS 9989

TEST RESULTS

Sl. No	Location	Noise Level dB (A)		CPCB Standards (Industrial Area) For Noise in Leg dB (A)	
		Day Time	Night Time	Day Limit	Night Limit
1	Near Northern Side Compound Wall	61.0	59.9	75 dB (A)	70 dB (A)
2	Near East Side Compound Wall	62.6	68.2		
3	Near North East Side Compound Wall	65.7	67.3		
4	Near ETP	66.8	64.6		
5	Near Southern Side Compound Wall	54.5	56.9		
6	Main Gate	61.0	64.1	75 dB (A)	70 dB (A)
7	Near Western Side Compound Wall	55.0	55.3		
8	Near Vehicle Shed	53.4	46.7		
9	Near Old Gate	58.0	49.0		
10	Near South East Compound Wall	60.2	58.8		

Conclusion : The above tested Sample Conforms to the CPCB Standards for the above tested Locations.

/***** End of the Report *****/

N.C.
M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: No 39/6, Paduchatram, Thiruvallur High Road, Thirumazhisai Via, Poomanallee TK, Thiruvallur, Chennai, Tamil Nadu, India

Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Permissible remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements; while permissible and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.

Annexure 22 - EC Letter To Local Body



asianpaints
ASIAN PAINTS LIMITED
PENTA DIVISION
AN ISO 9001
ISO 14001 &
ISO 45001 UNIT

Corporate Identification Number (CIN) : L24220MH1945PLC004598
For Shares related queries, email to investorrelations@asianpaints.com
For Customer queries / complaints / Dealership enquires,
email to customercare@asianpaints.com
For HR related queries, email to careers@asianpaints.com
For Media related queries, e-mail to proffice@asianpaints.com
Pan : AAACA3622K
GST No. 33AAACA3622K1Z2

Asian Paints Limited
B-5 to B-10 Sipcot
Industrial Complex,
Kudlikadu Village,
Cuddalore - 607 005,
Tamil Nadu
Tel.No-04142-239248
www.asianpaints.com

December 1, 2022

To

President

Panchayat union

Kudlikadu village

Cuddalore – 607005

Sir

Subject: information on environment clearance dated 29th November 2022.

Reference: EC identification number EC22A021TN152664 For planned expansion in Asian paints Limited, penta division, Cuddalore.

We have received Environment clearance (EC) for our expansion from Ministry of environment, Forest and Climate Change (Impact Assessment Division) , Government of India vide the above – mentioned EC identification no. We are submitting a copy of the EC for your kind perusal.

Kindly acknowledge the receipt of the EC letter.

Thanking you,

Yours Truly

P Jayakanthan
Jayakanthan P

Senior Production Manger

Encl: Copy of Environment Clearance EC ID No: EC22A021TN152664



asianpaints

ASIAN PAINTS LIMITED
PENTA DIVISION
AN ISO 9001
ISO 14001 &
ISO 45001 UNIT

Corporate Identification Number (CIN) : L24220MH1945PLC004598
For Shares related queries, email to investorrelations@asianpaints.com
For Customer queries / complaints / Dealership enquiries,
email to customercare@asianpaints.com
For HR related queries, email to careers@asianpaints.com
For Media related queries, e-mail to proffice@asianpaints.com
Pan : AAACA3622K
GST No. 33AAACA3622K1Z2

Asian Paints Limited
B-5 to B-10 Sipcot
Industrial Complex,
Kudikadu Village,
Cuddalore - 607 005.
Tamil Nadu
Tel.No-04142-239248
www.asianpaints.com

December 2, 2022

To

Help Age India
Thamarakulam,
Elders Village
Periyakanganakupam.
Cuddalore - 607006

Dear Sir,

Subject: Information of Environment Clearance Dated 29th November 2022.

Reference : EC Identification No. EC22A021TN152664 for In planned expansion in Asian Paints Limited, Penta Division, Cuddalore.

We have received Environment Clearance(EC) for our expansion from Ministry of Environment, Forest, and Climate Change (Impact Assessment Division) , Government of India vide the above- mentioned EC Identification no. We are submitting a copy of the EC for your kind perusal.
Kindly acknowledge the receipt of the EC letter.

Thanking you

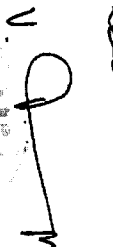
Yours Truly

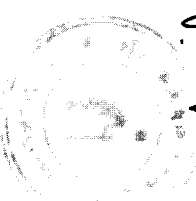

Rajendrababu

Associate General Manager

Encl: Copy of Environment Clearance EC ID no: EC22A021TN152664

Received.


V. D. M.



Annexure 23 - Last Half Yearly Compliance Submitted Proof



asianpaints

ASIAN PAINTS LIMITED

PENTA DIVISION

AN ISO 9001

ISO 14001 &

ISO 45001 UNIT

Corporate Identification Number (CIN) : L24220MH1945PLC004598
For Shares related queries, email to investorrelations@asianpaints.com

For Customer queries / complaints / Dealership enquiries,

email to customercare@asianpaints.com

For HR related queries, email to careers@asianpaints.com

For Media related queries, e-mail to proffice@asianpaints.com

Pin : AAACA3622K

GST No. 33AAACA3622K122

Asian Paints Limited

B-5 to B-10 Special

Industrial Complex,

Kudikadu Village,

Cuddalore - 607 005.

Tamil Nadu

Tel.No-04142-239248

www.asianpaints.com

To

Dated: 30-05-2025

The Deputy Director General of Forest,

Integrated Regional Office (IRO),

Ministry of Environment Forest & Climate Change,

Shastri Bhawan, Nungambakkam,

Chennai - 600034.

Sub: Organic Chemicals manufacturing unit located at Plot no A-3, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore District, Tamil Nadu by M/s Asian Paints Limited – Submission of Six – Monthly Compliance Report for Environmental Clearance – October 2024 to March 2025 – Reg

Ref: EC Identification No – EC22A021TN152664

File No. IA-J-11011/283/2021-IA-II(I) dated EC – 29/11/2022

Dear Sir/Madam

We, M/s Asian Paints Limited – Penta Division obtained Environmental Clearance (EC) – Expansion for the production capacities of Pentaerythritol – 1500 MTPM, Sodium Formate – 1050 MTPM, Formaldehyde – 1800 MTPM, and a Captive Power Plant of 3.5 MW.

We are submitting the Six-Monthly Compliance Report of EC conditions for the period from October 2024 to March 2025, along with the necessary enclosures for your kind perusal.

Thanking you

Yours faithfully

For M/s Asian Paints Limited

P. Jayaraman
Authorized Signatory

CC: The Regional Director, Central Pollution Control Board, Chennai



The Chairperson, Tamil Nadu Pollution Control Board, Chennai

Regional Office, Anna Park, 10th Floor, Anna Nagar, Santhacruz (East) Road at 11/05/2025



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ASIAN PAINTS LIMITED
PENTA DIVISION
AN ISO 9001
ISO 14001 &
ISO 45001 UNIT

Corporate Identification Number (CIN) : 124220MH1945PLC004558
For Shares related queries, email to investor.relations@asianpaints.com
For Customer queries / complaints / Dealership enquiries
email to customer.care@asianpaints.com
For HR related queries, email to careers@asianpaints.com
For Media related queries, e-mail to proffice@asianpaints.com
Pan : AAACA3622X
GST No. 33AAACA3622K172

Asian Paints Limited
B-5 to B-10 Sippcot
Industrial Complex,
Kudikadu Village,
Cuddalore - 607 005.
Tamil Nadu
Tel: No-04142-239248
www.asianpaints.com

To

Dated: 30-05-2025

The Deputy Director General of Forest,

Integrated Regional Office (IRO),

Ministry of Environment Forest & Climate Change,

Shastri Bhawan, Nungambakkam,

Chennai - 600034.

Sub: Organic Chemicals manufacturing unit located at Plot no A-3, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore District, Tamil Nadu by M/s Asian Paints Limited – Submission of Six – Monthly Compliance Report for Environmental Clearance – October 2024 to March 2025 – Reg

Ref: EC Identification No – EC22A021TN152664

File No. JA-J-11011/283/2021-JA-II(I) dated EC – 29/11/2022

Dear Sir/Madam

We, M/s Asian Paints Limited – Penta Division obtained Environmental Clearance (EC) – Expansion for the production capacities of Pentaerythritol – 1500 MTPM, Sodium Formate – 1050 MTPM, Formaldehyde – 1800 MTPM, and a Captive Power Plant of 3.5 MW.

We are submitting the Six-Monthly Compliance Report of EC conditions for the period from October 2024 to March 2025, along with the necessary enclosures for your kind perusal.

Thanking you

Yours faithfully

For M/s Asian Paints Limited

P Jayabharathi
Authorized Signatory

CC: The Regional Director, Central Pollution Control Board, Chennai



ASIAN PAINTS LIMITED
PENTA DIVISION
KUDIKADU VILLAGE
CUDDALORE DISTRICT
TAMIL NADU - 607 005
Tel: No-04142-239248
Fax: No-04142-239249
E-mail: proffice@asianpaints.com

The Chairperson, Tamil Nadu Pollution Control Board, Chennai

Registered Office: Ashok and Company, 6A & 6B, Shanmughar Sanjacrutz (East) Mumbai - 400 055, Tel: (022) 6146 1000



asianpaints
ASIAN PAINTS LIMITED
PENTA DIVISION
AN ISO 9001
ISO 14001 &
ISO 45001 UNIT

Corporate Identification Number (CIN) : L24220MH1945P1C004598
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For Customer queries / complaints / Dealership enquiries,
email to customer.care@asianpaints.com
For HR related queries, email to careers@asianpaints.com
For Media related queries, e-mail to media@asianpaints.com
Pan: AAACA3622K
GST No. 33AAACA3622K122

Asian Paints Limited
B-5 to B-10 Sipcot
Industrial Complex,
Kudikadu Village,
Cuddalore - 607 005.
Tamil Nadu
Tel.No-04142-239248
www.asianpaints.com

To

Dated: 30-05-2025

The Member Secretary,

STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY (SEIAA),

3rd Floor, Panagal Maalgai,

No.1, Jeenis Road, Saidapet,

Chennai – 600 015

Sub: Organic Chemicals manufacturing unit located at Plot no A-3, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore District, Tamil Nadu by M/s Asian Paints Limited – Submission of Six – Monthly Compliance Report for Environmental Clearance – October 2024 to March 2025 – Reg

Ref: EC Identification No – EC22A021TN152664

File No. IA-J-11011/283/2021-IA-II(I) dated EC – 29/11/2022

Dear Sir/Madam

We, M/s Asian Paints Limited – Penta Division obtained Environmental Clearance (EC) – Expansion for the production capacities of Pentaerythritol – 1500 MTPM, Sodium Formate – 1050 MTPM, Formaldehyde – 1800 MTPM, and a Captive Power Plant of 3.5 MW.

We are submitting the Six-Monthly Compliance Report of EC conditions for the period from October 2024 to March 2025, along with the necessary enclosures for your kind perusal.

Thanking you

Yours faithfully

For M/s Asian Paints Limited

P. Jayakumar
Authorized Signatory



சென்னை - 600 015
பென்டா டிவிஷன்
ஆசியன் பைன்ட்ஸ் லிமிடெட்
கூட்டலூர் கிளர் - 607 005
தமிழ்நாடு
தொலைபேசி - 04142-239248
www.asianpaints.com



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ASIAN PAINTS LIMITED
PENTA DIVISION
AN ISO 9001
ISO 14001 &
ISO 45001 UNIT

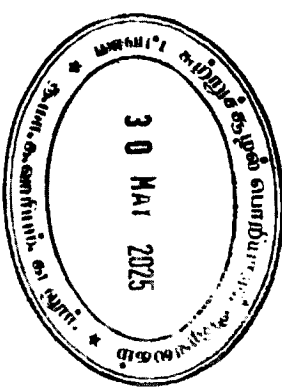
Corporate Identification Number (CIN) : L24220MH1945PLC004598
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For Customer queries / complaints / Dealership enquiries,
email to customercare@asianpaints.com
For HR related queries, email to careers@asianpaints.com
For Media related queries, e-mail to proffice@asianpaints.com
Pan : AAACA3622K
GST No. 33AAACA3622K172

Asian Paints Limited
B-5 to B-10 Sipcot
Industrial Complex,
Kudikadu Village,
Cuddalore - 607 005.
Tamil Nadu
Tel.No-04142-239248
www.asianpaints.com

To

Dated: 30-05-2025

The District Environmental Engineer,
Tamil Nadu Pollution Control Board,
Plot no A-3, SIPCOT Industrial Complex,
Kudikadu, Cuddalore – 607005.



Sub: Organic Chemicals manufacturing unit located at Plot no A-3, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore District, Tamil Nadu by M/s Asian Paints Limited – Submission of Six – Monthly Compliance Report for Environmental Clearance – October 2024 to March 2025 – Reg

Ref: EC Identification No – EC222A021TN152664

File No. IA-J-11011/283/2021-IA-II(I) dated EC – 29/11/2022

Dear Sir/Madam

We, M/s Asian Paints Limited – Penta Division obtained Environmental Clearance (EC) – Expansion for the production capacities of Pentaerythritol – 1500 MTPM, Sodium Formate – 1050 MTPM, Formaldehyde – 1800 MTPM, and a Captive Power Plant of 3.5 MW.

We are submitting the Six-Monthly Compliance Report of EC conditions for the period from October 2024 to March 2025, along with the necessary enclosures for your kind perusal.

Thanking you

Yours faithfully

For M/s Asian Paints Limited

P Jayabanthir

Authorized Signatory

CC: Joint Chief Environmental Engineer, Cuddalore



 Search for Wall colours



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[Environmental Clearance- APL Head office Mumbai](#)

[Compliance Report-December 2024 APH head office Mumbai](#)

[Consent to Establish -APL Head office Mumbai](#)

[Consent to Operate APL Head office Mumbai](#)

[Fly Ash Return - APL Penta, Cuddalore - February 2025](#)

[Fly Ash Return - APL Penta, Cuddalore - March 2025](#)

[Fly Ash Return - APL Penta, Cuddalore - April 2025](#)

[Bio Medical Waste Generation FY2025-25](#)

[EIA Report - Rohtak](#)

[Fly Ash Return - APL Penta, Cuddalore - May 2025](#)

[Half Yearly Compliance Report - APL, Penta, Cuddalore - October 2024 to March 2025 - Part 1](#)

[Half Yearly Compliance Report - APL, Penta, Cuddalore - October 2024 to March 2025 - Part 2](#)

[Half Yearly Compliance Report Oct'24 to Mar'25 Ankleshwar](#)

[Half Yearly Compliance Report Oct'24 to Mar'25 Kasna](#)

[Half Yearly Compliance Report Oct'24 to Mar'25 Khandala](#)

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[Half Yearly Compliance Report Oct'24 to Mar'25 Sriperumbudur](#)

[Half Yearly Compliance Report Oct'24 to Mar'25 Vizag](#)

[Fly Ash Return - APL Penta, Cuddalore - June 2025](#)

[Fly Ash Return - APL Penta, Cuddalore - July 2025](#)

[Fly Ash Return - APL Penta, Cuddalore - August 2025](#)

[Fly Ash Return - APL Penta, Cuddalore - September 2025](#)

Annexure 24 - Form V

Environmental Statement

Q Search for Interior paints



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Our Company Investors

[Half Yearly Compliance Report - APL Penta, Cuddalore - October 2024 to March 2025 - Part 1](#)

[Half Yearly Compliance Report - APL Penta, Cuddalore - October 2024 to March 2025 - Part 2](#)

[Half Yearly Compliance Report Oct'24 to Mar'25 Ankleshwar](#)

[Half Yearly Compliance Report Oct'24 to Mar'25 Kasna](#)

[Half Yearly Compliance Report Oct'24 to Mar'25 Khandala](#)

[Half Yearly Compliance Report Oct'24 to Mar'25 Mysuru](#)

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[Half Yearly Compliance Report Oct'24 to Mar'25 Rohtak](#)

[Half Yearly Compliance Report Oct'24 to Mar'25 Sriperumbudur](#)

[Half Yearly Compliance Report Oct'24 to Mar'25 Vizag](#)

[Fly Ash Return - APL Penta, Cuddalore - June 2025](#)

[Fly Ash Return - APL Penta, Cuddalore - July 2025](#)

[Fly Ash Return - APL Penta, Cuddalore - August 2025](#)

[Fly Ash Return - APL Penta, Cuddalore - September 2025](#)

[Form V - Environmental statement, APL Penta Plant Cuddalore - April 2024 to March 2025](#)

[Form V - Environmental statement, APL Captive Power Plant Cuddalore - April 2024 to March 2025](#)

[Bio Medical Waste Generation FY2025-26](#)

[Fly Ash Return - APL Penta, Cuddalore - October 2025](#)

Environment Policy



asianpaints
ASIAN PAINTS LIMITED
PENTA DIVISION
AN ISO 9001
ISO 14001 &
ISO 45001 UNIT

Corporate Identification Number (CIN) : L24220MH1945PLC004598
For Shares related queries, email to investor.relations@asianpaints.com
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Pan : AAACA3622K
GST No. 33AAACA3622K1Z2

Asian Paints Limited
B-5 to B-10 Sipcot
Industrial Complex,
Kudikadu Village,
Cuddalore - 607 005.
Tamil Nadu
Tel.No-04142-239248
www.asianpaints.com

APL/CDL/TNPCB/59/2025-26

30th September 2025

To

The District Environmental Engineer,
Tamil Nadu Pollution Control Board,
A-3, SIPCOT Industrial Complex,
Near SIPCOT Fire Station,
CUDDALORE – 607 005.

Dear Sir/Madam,

SUB: SUBMISSION OF FORM V ENVIRONMENTAL STATEMENT FY 24-25

With reference to the above-mentioned subject, we are enclosing here with
Environmental statement – Form V for the FY 24-25 of our Captive Power Plant, Asian
Paints Limited, Cuddalore.

This is for your kind information

Thanking you,

Yours faithfully,

for ASIAN PAINTS LIMITED.

SARAVANAN S
MANAGER – QA & EHS

Encl: As above



30/09/25

FORM V – CAPTIVE POWER PLANT

Environment Statement for the Financial Year ending 31st March 2025

PART A

(i) Name and Address of the owner/occupier of the industry operation or process	Shri. Amit Syngle Managing Director and CEO Asian Paints Limited Captive Power Plant B5 - B10 Sipcot Industrial Complex Cuddalore 607005
(ii) Industry category Primary – (STC Code) Secondary – (SIC Code)	17 category – Thermal power plant
(iii) Production capacity	Consented Quantity Steam - 30 MT/Hour Power - 1.9 MW
(iv) Year of Establishment	1986
(v) Date of last environmental statement submitted	29.06.2024

PART - B		
	During the previous (2023-2024) financial year (KL)	During the previous (2024-2025) financial year (KL)
Water and Raw Material Consumption		
(i) Water consumption m ³ /day	61.32	27.6
Process m ³ /day	61.32	26.6
Cooling water m ³ /day	-	-
Domestic m ³ /day	1	1

Name of Products	Process water consumption per unit of product output	
	During the previous (2023-2024) financial year (KL)	During the current (2024-2025) financial year (KL)
Steam	16	16
Power	0	0

Note – Penta plant condensate water is reused in boiler for steam production. Hence fresh water and condensate water from Penta plant is the input for steam production.

(ii) Raw material consumption

Name of Raw Materials	Name of Products	Consumption of raw material per unit of output (Tons/Ton)	
		During the previous (2023-2024) financial year	During the current (2024-2025) financial year
Coal			
Biomass	Power	4.66	0.21 0.00011

Pollution discharged to environment/unit of output**a) Water pollutants - Trade effluent & Sewage effluent**

Parameter	Quality of Pollutants discharged Kg/day	Concentrations of pollutants discharged (Mass/volume) Mg/L	Percentage of variation from prescribed standards with reasons
A. Water	Not applicable. Effluent from captive power plant is treated in Main plant (Penta plant) ETP		NIL

b) Air pollutants

S.no	Stack	Parameter	Quality of pollutants discharged Kg/day	Concentrations of pollutants discharged (Mass/volume) Mg/Nm3	Percentage of variation from prescribed standards with reasons
1	Boiler 16 – TPH	Particulate matter SOx NOx	20.16 20.43 101.6	34.02 34.53 197.17	Within specified limit
2	Boiler 14 – TPH	Particulate matter SOx NOx	Not in use		
3	Coal crusher	Particulate matter SOx NOx	2.19 0 0	13.2 0 0	Within specified limit

PART – D
Hazardous waste

Hazardous Wastes	Total Quantity in MT	
	During the previous (2023-2024) financial year	During the current (2024-2025) financial year
(a) From Process	NIL	NIL
(b) From pollution control facilities	NIL	NIL

PART – E
Solid Waste

Solid Wastes	Total Quantity in MT	
	During the previous (2023-2024) financial year	During the current (2024-2025) financial year
(a) From Process Ash from boiler	1479	1747
(b) From pollution control facilities	NIL	NIL
(c)(1) Quantity recycled or re-utilized within the unit (2) Sold (3) Disposed	NIL NIL 1315	NIL NIL 2048.05

PART – F

Please specify the characteristics (in terms of consumption of quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

There is no any Hazardous waste generation in the Plant. Required Maintenance activity support is carried out by Penta plant. Penta plant has separate Hazardous waste authorisation for disposing hazardous waste.

PART – G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production

- Screw press and filter press installed for handling the sludge disposal

- RO membrane replaced for increasing the permeate water recovery

The following activities were celebrated in the last year to improve awareness and participation

- Mission life directions were encouraged and propagated by distribution to employees.
- Seed from household are collected and made to saplings
- Models of roof water collection is made and presented in factory.
- World environmental day celebrated Drawing competition, Quiz, Essay competitions was conducted, and prizes were distributed.
- Effluent treatment plant infrastructure is improved by providing screw press and filter press for dewatering from sludge.
- ECO club activities are conducted every month and implementing green initiatives around the factory
- 2063 Trees saplings were planted in our factory premise (comprising of penta & CPP) for the FY 2024-2025.
- The effluent generation is being periodically monitored on the shift-wise basis and appropriate action is taken to reduce the effluent generation from source itself.
- The effluent treatment plant is being operated as per the established operating procedure, and the performance is being monitored closely to ensure consistent COD & BOD reduction across aeration system
- The sewage treatment plant was successfully operated for achieving the sewage standards and the treated water is used for gardening purpose.
- Recovered water from the zero liquid discharge system is used in our cooling tower.
- Water treatment plant performance is maintained at average output between regeneration of 1250 KL.
- The ambient air and various emission discharge points of boiler stack and process stacks are being monitored at regular intervals by engaging external laboratory and advanced environmental lab, TNPCB. The quality of the emission points are well within TNPCB norms.
- The sludge generated from ETP is being sent to TNPCB authorised recyclers for disposal as and when required.
- Sprinkler systems is used for gardening purpose.
- Solar dryer for drying of Hazardous waste is operational.

AIR EMISSION MONITORING

- We are monitoring the ambient air quality weekly twice at two different locations. (Both up wind and Downwind directions.)
- We have been regularly monitoring boiler stack emission by engaging reputed laboratories / TNPCB's laboratory.
- We are monitoring the Ambient VOC / THC / AAQ, in different locations (Both upwind and down wind direction) once in three months and ensured that the values are well within the limit.
- One online NAAQ monitoring station is available in predominant wind direction in consultation with TNPCB officials to monitor PM25, PM10, SO2 & NOx and the monitored data are uploaded to CARE AIR CENTRE, TNPCB.
- The recommendations from the audits are implemented on a regular basis.
- TVOC meter is available in the process area and the monitor data is uploaded to CARE AIR CENTRE, TNPCB.
- LDAR is being carried out on a regular basis by which the TVOC emissions were identified and controlled.

Details of activities carried out to maintain the ambient air quality are as follow

- New storage capacity for storage of Acetaldehyde is installed for improving storage condition.
- Online NAAQ monitoring station has been installed and connected with care air system.
- LDAR is being carried out using MoEF approved Laboratory once in a year as per consent requirement and the leaks if any were arrested.
- The Process stacks monitoring is done every quarter.
- Nursery is developed for Rose, Herbal plant and other native tree species.

ENVIRONMENT & SAFETY MANAGEMENT: ISO 14001 & 45001

- We have designed and implemented the Environmental Management System (EMS) as per the international standard ISO 14001 & 45001. This system is being regularly audited every six "months by M/s Det Norske Veritas (DNV/GL).
- Our unit is certified for ISO 9001 standards by MS DNVIGL.
- The recommendations from the audits are implemented on a regular basis.

TRAINING OUR EMPLOYEES ON ENVIRONMENTAL ISSUES:

- Regular training programmes are being conducted for employees to educate, train and motivate their activities in an environmental friendly/responsible manner.

- As a part of ongoing ISO 14001 and ISO 45001 activities, we have been conducting job related environmental training programmes for all our employees in various departments for developing/improving their skill levels.
- We are taking lead for spreading awareness on Environmental preservation by campaigning on environmental issues among our employees and neighbouring villagers.
- The Environment Day was celebrated in our factory every year. Detailed speech was given by Environment team to the Employees regarding the importance of maintaining a healthy environment.
- Fly ash is sent to M/s TSK Fly Ash Bricks, India Fly Ash Bricks & Shivam minerals for brick manufacturing.

PART – H

Additional measures/investment proposal for environmental protection including abatement of pollution.

- Rainwater collection and harvesting was done (around 200 cubic meters).
- We are continuing to use Environmentally friendly imported coal originating from Indonesia.
- Methanol transfer line from unloading pump to storage tank was replaced to reduce fugitive emission.
- Breather valve is provided in storage tank
- Consuming coal contains less Sulphur content.
- Lake delisting is done nearby villages around factory.
- Additionally, 63400 KL water holding capacity is generated in desilted lake.

PART – I

Any other particulars for improving the quality of the environment

- We are conducting characterisation of the effluent and recycling the same in the plant for various process applications.
- Solar dryers in sludge drying beds for improving the drying efficiency of the sludge drying beds is performing well.
- 450 Tree saplings planted outside the factory premises.
- The rainwater harvesting trenches in the boiler area was constructed for effective harvesting of rainwater.

- Environmental management cell

Name	Designation	Qualification
Jayakanthan P	Senior Manager - QA & EHS	B. Tech (Chemical) & Diploma in industrial pollution and control
Saravanan S	Manager - QA & EHS	B. Tech (Chemical)
Sakthivel R	Senior Executive - EHS	M.E Environmental Engineering
Durai Selvam	Executive - QA Lab	M.Sc. Chemistry

CSR Activities carried out during FY 24-25	Amount in Rs.
Health & hygiene projects in Cuddalore	Rs. 1,35,25,091
Rejuvenation of water bodies in Cuddalore	
Disaster management	Rs. 55,000



asianpaints
ASIAN PAINTS LIMITED
PENTA DIVISION
AN ISO 9001
ISO 14001 &
ISO 45001 UNIT

Corporate Identification Number (CIN) : L24220MH1945PLC004598
For Shares related queries, email to investor.relations@asianpaints.com
For Customer queries / complaints / Dealership enquiries,
email to customercare@asianpaints.com
For HR related queries, email to careers@asianpaints.com
For Media related queries, e-mail to proffice@asianpaints.com
Pan : AAACA3622K
GST No. 33AAACA3622K1Z2

Asian Paints Limited
B-5 to B-10 Sipcot
Industrial Complex,
Kudikadu Village,
Cuddalore - 607 005.
Tamil Nadu
Tel.No-04142-239248
www.asianpaints.com

APL/CDL/TNPcb/58/2025-26

30th September 2025

To

The District Environmental Engineer,
Tamil Nadu Pollution Control Board,
A-3, SIPCOT Industrial Complex,
Near SIPCOT Fire Station,
CUDDALORE – 607 005.

Dear Sir/Madam,

SUB: SUBMISSION OF FORM V ENVIRONMENTAL STATEMENT FY 24-25

With reference to the above-mentioned subject, we are enclosing here with
Environmental statement – Form V for the FY 24-25 of our Penta Plant, Asian Paints
Limited, Cuddalore.

This is for your kind information

Thanking you,

Yours faithfully,

for ASIAN PAINTS LIMITED.

SARAVANAN S
MANAGER – QA & EHS

Encl: As above



FORM V – PENTA PLANT**Environment Statement for the Financial Year ending 31st March 2025****PART A**

(i) Name and Address of the owner/occupier of the industry operation or process	Shri. Amit Syngle Managing Director and CEO Asian Paints Limited Penta Division B5 - B10 Sipcot Industrial Complex Cuddalore 607005
(ii) Industry category Primary – (SIC Code) Secondary – (SIC Code)	SIC Code - 2860
(iii) Production capacity	Consented Quantity Pentaerythritol - 930 MTPM Sodium Formate - 651 MTPM Formaldehyde - 920 MTPM
(iv) Year of Establishment	1986
(v) Date of last environmental statement submitted	29.06.2024

PART – B

1 Water and Raw Material Consumption	FY 23-24	FY24-25
(i) Water consumption m ³ /day	449	499
Process m ³ /day	386.55	196
Cooling water m ³ /day	-	232.1
Domestic m ³ /day	62.45	70.9

* Last FY Year cooling water was included in the process consumption, This year separate split up mentioned as above.

Name of Products	Process water consumption per unit of product output	
	During the previous (2023-2024) financial year	During the current (2024-2025) financial year
1. Pentaerythritol	0	0
2. Sodium Formate	0	0
3. Formaldehyde	0.392	0.33

(ii) Raw material consumption

Name of Raw Materials	Name of Products	Consumption of raw material per unit of output (Tons/Ton)	
		During the previous (2023-2024) financial year	During the current (2024-2025) financial year
1. Formaldehyde	Pentaerythritol and Sodium Formate	1.102	1.099
2. Acetaldehyde		0.378	0.376
3. Caustic Soda Lye		0.369	0.369
4. Methanol		1.204	1.201

Part - C**Pollution discharged to environment/unit of output****a) Water pollutants - Trade effluent**

Parameter	Quality of Pollutants discharged Kg/day	Concentrations of pollutants discharged (Mass/Volume) Mg/L	Percentage of variation from prescribed standards with reasons
pH	NA	6.81	Within specified limit
Total suspended solids @ 105°C	0.293	6	Within specified limit
Total Dissolved solids @ 180°C	4.691	96	Within specified limit
BOD	BDL	BDL	Within specified limit
COD	0.391	8	Within specified limit
Chloride as Cl	1.466	30	Within specified limit
Sulphate as SO ₄	1.222	25	Within specified limit
Hexavalent chromium	BDL	BDL	Within specified limit
Lead	BDL	BDL	Within specified limit
Cyanide	BDL	BDL	Within specified limit
Phenolic compounds	BDL	BDL	Within specified limit
Sulphide	BDL	BDL	Within specified limit
Total Phosphates	BDL	BDL	Within specified limit

***BDL – Below detectable limit**

b) Water pollutants - Sewage effluent

Parameter	Quality of Pollutants discharged Kg/day	Concentrations of pollutants discharged (Mass/volume) Mg/L	Percentage of variation from prescribed standards with reasons
pH	NA	6.99	Within specified limit
Total suspended solids @ 105°C	0.118	10	Within specified limit
BOD	0.059	5	Within specified limit
COD	0.470	40	Within specified limit
Ammonical nitrogen	0.013	1.12	Within specified limit
Total Kjeldahl Nitrogen	0.032	2.68	Within specified limit

*BDL – Below detectable limit

c) Air pollutants

S.no	Stack	Parameter	Quality of Pollutants discharged Kg/day	Concentrations of pollutants discharged (Mass/volume) Mg/Nm ³	Percentage of variation from prescribed standards with reasons
1	DG set I – 600 KVA	Particulate matter SOx NOx	0.004 0.01 0.07	4.6 31.01 59.69	Within specified limit
2	DG set II – 500 KVA	Particulate matter SOx NOx	0.004 0.01 0.06	5.01 27.29 61.10	Within specified limit
3	Sodium formate Dryer	Particulate matter SOx NOx	0.46 0 0	18.22 0 0	Within specified limit
4	Mono Pentaerythritol of dryer 1	Particulate matter SOx NOx	0.39 0 0	16.89 0 0	Within specified limit
5	Di pentaerythritol dryer	Particulate matter SOx NOx	1.13 0 0	16.39 0 0	Within specified limit
6	Fluedized Bed Drier	Particulate matter SOx NOx	1.75 0 0	18.57 0 0	Within specified limit

*BDL – Below detectable limit

PART – D
Hazardous waste

Hazardous Wastes	Total Quantity in MT	
	During the previous (2023-2024) financial year	During the current (2024-2025) financial year
(a) From Process		
5.1-Used oil	0 MT	0 MT
5.3-Wastes or residue containing oil	0 MT	0 MT
36.2-Spent carbon or filter medium	0.81 MT	2.88 MT
20.3 Distillation Residue	0 MT	25.37 MT
20.4-Process sludge	0 MT	0 MT
35.2-Spent ion exchange resin containing toxic metals	0 MT	4.56 MT
20.2-Spent solvents	0 MT	0 MT
20.2-Spent solvents	0 MT	0 MT
33.1-Empty barrels/Containers/Liners contaminated with hazardous chemicals/Waste	0 MT	0 MT
15.2-Discarded Asbestos	0 MT	0 MT
(b) From pollution control facilities		
35.5 Chemical sludge from waste water treatment	171.97 MT	155.77 MT
35.3-Chemical sludge from waste water treatment (ATFD salt)	0 MT	0 MT

PART – E
Solid Waste

Solid Wastes	Total Quantity in MT	
	During the previous (2023-2024) financial year	During the current (2024-2025) financial year
(a) From Process		
Used HDPE bags	0 MT	0 MT
Used Filter clothes	0 MT	0 MT
(b) From pollution control facilities	NIL	NIL
(c)(1) Quantity recycled or re-utilized within the unit		
Canteen Waste/Biodegradable	NIL	NIL
(2) Sold		
Wooden scrap/Broken pallet	NIL	5.77 MT
(3) Disposed		
Paper waste	NIL	NIL
Plastic bag/plastic waste	NIL	20.36 MT
Used insulation material	NIL	NIL
Miscellaneous garbage, Broken packaging	NIL	NIL

PART - F

Please specify the characteristics (In terms of consumption of quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

S.no	Hazardous Waste	Concentration of hazardous constituents in the final waste	Disposal practice
1	5.1 Used oil or spent oil	Organic/ Inorganic chemicals	Generation, Collection, Storage & Disposal through authorized recyclers (Recyclable)
2	5.2 Wastes or residue containing oil	Organic/ Inorganic chemicals	Generation, Collection, Storage & Disposal through authorized preprocessors (Utilizable)
3	36.2 Spent carbon or filter medium	Activated carbon	Generation, Collection, Storage & Disposal through authorized preprocessors (Utilizable)
4	20.3 Distillation Residue	Organic chemicals	Generation, Collection, Storage & Disposal through authorized preprocessors (Utilizable)
5	20.4 Process sludge	Organic chemicals	Generation, Collection, Storage & Disposal through authorized preprocessors (Utilizable)
6	35.2 Spent ion exchange resin containing toxic metals	Organic/ Inorganic chemicals	Generation, Collection, Storage & Disposal through authorized preprocessors (Utilizable)

7	20.2 Spent solvents	Organic chemicals	Generation, Storage & Disposal through authorized preprocessors (Utilizable)
8	20.2 Spent solvents	Organic chemicals	Generation, Collection, Storage & Disposal through authorized preprocessors (Utilizable)
9	33.1 Empty barrels/Containers/Liners contaminated with hazardous chemicals/Waste	Organic/ Inorganic chemicals	Generation, Collection, Storage & Disposal to authorized recyclers (Recyclable)
10	15.2 Discarded Asbestos	Asbestos fibers	Generation, Collection, Storage & Disposal to authorized TSDF (Landfillable)
11	35.3 Chemical sludge from waste water treatment	Organic/ Inorganic chemicals	Generation, Collection, Storage & Disposal through authorized preprocessors (Utilizable)
12	35.3 Chemical sludge from waste water treatment (ATFD salt)	Organic/ Inorganic chemicals	Generation, Collection and safe storage within the plant premises in isolated impervious closed shed

Non hazardous waste

S.no	Waste	Concentration of hazardous constituents in the final waste	Disposal practice
1	Used HDPE bags	Not Applicable	Sale as non-hazardous waste
2	Used Filter clothes	Not Applicable	Sale as non-hazardous waste

3	Canteen Waste/Biodegradable	Not Applicable	Sale as non-hazardous waste
4	Wooden scrap/Broken pallet	Not Applicable	Sale as non-hazardous waste
5	Paper waste	Not Applicable	Sale as non-hazardous waste
6	Plastic bag/plastic waste	Not Applicable	Sale as non-hazardous waste
7	Miscellaneous garbage, Broken packaging	Not Applicable	Sale as non-hazardous waste

PART – G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production

- Screw press and filter press installed for handling the sludge disposal in ETP
- RO membrane replaced for increasing the permeate water recovery in ETP

The following activities were celebrated in the last year to improve awareness and participation

- Mission life directions were encouraged and propagated by distribution to employees.
- Seed from household are collected and made to saplings
- Models of roof water collection is made and presented in factory.
- World environmental day celebrated Drawing competition, Quiz, Essay competitions was conducted, and prizes were distributed.
- Effluent treatment plant infrastructure is improved by providing screw press and filter press for dewatering from sludge.
- ECO club activities are conducted every month and implementing green initiatives around the factory
- 2063 Trees saplings were planted in our factory premise (comprising of penta & CPP) for the FY 2024-2025.
- The effluent generation is being periodically monitored on the shift-wise basis and appropriate action is taken to reduce the effluent generation from source itself.
- The effluent treatment plant is being operated as per the established operating procedure, and the performance is being monitored closely to ensure consistent COD & BOD reduction across aeration system
- The sewage treatment plant was successfully operated for achieving the sewage standards and the treated water is used for gardening purpose.

- Recovered water from the zero liquid discharge system is used in our cooling tower.
- Water treatment plant performance is maintained at average output between regeneration of 1250 KL.
- The ambient air and various emission discharge points of boiler stack and process stacks are being monitored at regular intervals by engaging external laboratory and advanced environmental lab, TNPCB. The quality of the emission points are well within TNPCB norms.
- The sludge generated from ETP is being sent to PCB authorised Recycler for disposal as and when required.
- Sprinkler systems is used for gardening purpose.
- Solar dryer for drying of Hazardous waste is operational.

AIR EMISSION MONITORING

- We are monitoring the ambient air quality weekly twice at two different locations. (Both up wind and Downwind directions.)
- We have been regularly monitoring Process stack emission by engaging reputed laboratories / TNPCB's laboratory.
- We are monitoring the Ambient VOC / THC / AAQ, in different locations (Both upwind and down wind direction) once in three months and ensured that the values are well within the limit.
- One online NAAQ monitoring station is available in predominant wind direction in consultation with TNPCB officials to monitor PM2.5, PM10, SO2 & NOx and the monitored data are uploaded to CARE AIR CENTRE, TNPCB.
- The recommendations from the audits are implemented on a regular basis.
- TVOC meter is available in the process area and the monitor data is uploaded to CARE AIR CENTRE, TNPCB.
- LDAR is being carried out on a regular basis by which the TVOC emissions were identified and controlled.

Details of activities carried out to maintain the ambient air quality are as follow

- New storage capacity for storage of Acetaldehyde is installed for improving storage condition.
- Online NAAQ monitoring station has been installed and connected with care air system.
- LDAR is being carried out using MOEF approved Laboratory once in a year as per consent requirement and the leaks if any were arrested.
- The Process stacks monitoring is done every quarter.
- Nursery is developed for Rose, Herbal plant and other native tree species.

ENVIRONMENT & SAFETY MANAGEMENT: ISO 14001 & 45001

- We have designed and implemented the Environmental Management System (EMS) as per the international standard ISO 14001& 45001. This system is being regularly audited every year by M/s Det Norske Veritas (DNV /GL).
- Our unit is certified for ISO 9001 standards by MS DNVIGL.
- The recommendations from the audits are implemented on a regular basis.

TRAINING OUR EMPLOYEES ON ENVIRONMENTAL ISSUES:

- Regular training programmes are being conducted for employees to educate, train and motivate their activities in an environmental friendly/responsible manner.
- As a part of ongoing ISO 14001 and ISO 45001 activities, we have been conducting job related environmental training programmes for all our employees in various departments for developing/improving their skill levels.
- We are taking lead for spreading awareness on Environmental preservation by campaigning on environmental issues among our employees and neighbouring villagers.
- The Environment Day was celebrated in our factory every year. Detailed speech was given by Environment team to the Employees regarding the importance of maintaining a healthy environment.

PART – H

Additional measures/Investment proposal for environmental protection including abatement of pollution.

- Rainwater collection and harvesting was done (around 200 cubic meters).
- We are continuing to use Environmentally friendly imported coal originating from Indonesia.
- Methanol transfer line from unloading pump to storage tank was replaced to reduce fugitive emission.
- Breather valve is provided in storage tank
- Consuming coal contains less Sulphur content.
- Lake delisting is done nearby villages around factory.
- Additionally, 63400 KL water holding capacity is generated in desilted lake.

PART – I

Any other particulars for improving the quality of the environment

- We are conducting characterisation of the effluent and recycling the same in the plant for various process applications.
- Solar dryers in sludge drying beds for improving the drying efficiency of the sludge drying beds is performing well.
- 450 Tree saplings planted outside the factory premises.
- The rainwater harvesting trenches in the boiler area was constructed for effective harvesting of rainwater.
- Environmental management cell

Name	Designation	Qualification
Jayakanthan P	Senior Manager - QA & EHS	B. Tech (Chemical) & Diploma in Industrial pollution and control
Saravanan S	Manager - QA & EHS	B. Tech (Chemical)
Sakthivel R	Senior Executive - EHS	M.E Environmental Engineering
Durai Selvam	Executive - QA Lab	M.Sc. Chemistry

CSR Activities carried out during FY 24-25		Amount in Rs.
Health & hygiene projects in Cuddalore		Rs. 1,35,25,091
Rejuvenation of water bodies in Cuddalore		
Disaster management		Rs. 55,000

Sakthivel R

From: Sakthivel R
Sent: 30 September 2025 19:29
To: 'ro.moefccc@gov.in'
Cc: Rajendrababu B; Jayakanthan P; Sampath Kumar S; Saravanan Sathiyamoorthy
Subject: Submission of Form V – Environmental statement of Penta plant and Captive power plant along with EC compliance FY 2024-25 of Asian Paints Limited, Cuddalore
Attachments: Form v - CPP.pdf; Form v - Penta.pdf; EC compliance.pdf

Dear sir,

Greetings from Asian Paints Limited, Cuddalore.

We hereby submitting Form V – Environmental statement of our Penta plant and Captive power plant along with EC compliance for the financial Year 2024-2025 which submitted to DEE office, TNPCB, Cuddalore.

List of attachments attached:

1. Form V – Environmental statement of Penta plant
2. Form V – Environmental Statement of Captive Power plant
3. Environmental clearance (EC) - Compliance

This is for your kind information

Regards
Sakthivel R
Senior Executive - EHS
Asian Paints Limited
B5-B10,Sipcot Industrial Complex
Kudikadu Village
Cuddalore - 607005
Phone No - +91 4142 239247,239248,239423 Extn-276
Mob No - 9688234021

Annexure 25 - Newspaper Ad For EC

Asian paints
Newspaper Advertisement

1. Dina Thanthi 3/12/2022

 **asianpaints**

ஏசியன் பெயிண்ட்ஸ் லிமிடெட்,

6ஏ, சாந்தி நகர், சாண்டா குளம் (கிழக்கு), மும்பை-400 005

ஏசியன் பெயிண்ட்ஸ் லிமிடெட், பெண்டா பிரிவு, கடலூர் நிர்வாகத்திற்கு சுற்றுச்சூழல் வனம் மற்றும் காலநிலை மாற்றம் அமைச்சகம், இந்திய அரசு E.C. அடையாள எண் EC 22A021TN152664 மூலம் கீழ்க்கண்ட உற்பத்தி திறனை விரிவுபடுத்துவதற்காக ஒப்புதல் அளித்துள்ளது. மாதத்திற்கு 1500 மெட்ரிக் டன்கள் வரை பெண்டா எரித்திரிடால், மாதத்திற்கு 1050 மெட்ரிக் டன்கள் வரை சோடியம் ஃபார்மேட் மற்றும் மாதத்திற்கு 1800 மெட்ரிக் டன்கள் வரை ஃபார்மால்டைஹைடு (100%) மற்றும் மின் உற்பத்தி திறனை ஒரு மணி நேரத்திற்கு 3.5 மெகாவாட் வரை உற்பத்தி செய்வதற்கு அனுமதி கீழ்க்கண்ட முகவரிக்கு அளிக்கப்பட்டுள்ளது.

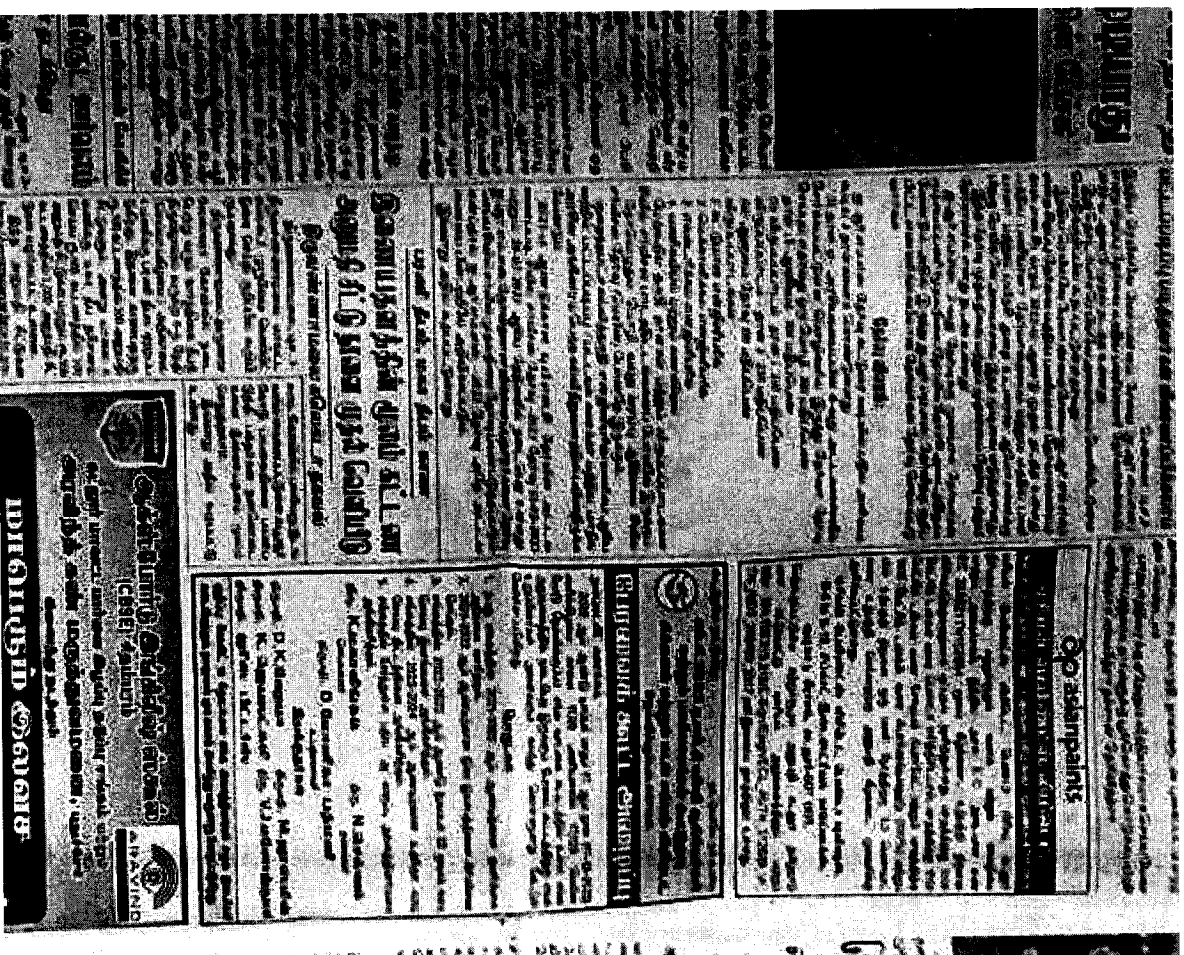
**ஏசியன் பெயிண்ட்ஸ் லிமிடெட், பெண்டா டிவிஷன்,
B-5 to B-10, சிங்காட் இன்டஸ்ட்ரியல் காம்பிளக்ஸ்,**

குமகாடு கிராமம், கடலூர்-607 005.

மேற்கூறப்பட்டுள்ள சுற்றுச்சூழல் அனுமதி கடலூர் தமிழ்நாடு மாசு கட்டுப்பாட்டு வாரியம் அலுவலகத்திலும் மற்றும் [http: 164.100.213.216/E-Sign/ESign/ECL_AUTH_312639_IA_TN_IND3_288480_2017.pdf](http://164.100.213.216/E-Sign/ESign/ECL_AUTH_312639_IA_TN_IND3_288480_2017.pdf) இணைய தளத்திலும் உள்ளது.

Asian paints Newspaper Advertisement

1. Dina Thanthi 3/12/2022



Asian paints
Newspaper Advertisement

2. The HINDU 3/12/2022

 **asianpaints**

Asian Paints Limited, 8A, Shanti Nagar,
Santacruz(E), Mumbai - 400 055

The Ministry of Environment, Forest and Climate Change, Government of India has accorded Environmental Clearance to Asian Paints Limited, Penta Division, Cuddalore vide EC. Identification No. EC22A021TN162664. The Environmental Clearance is to expand its production capacity up to 1500 Metric Tonnes per month of Pentabenzothrid (Powder & Solution), 1050 Metric Tonnes per month of Sodium Formaldehyde (100% Concentration) and up to 3.5 MW of Captive power plant.

Environmental Clearance is for the operations at Plot No. 1, K. K. K. Village,

Annexure 26 - Fresh Water Utilization Details

Details of Fresh Water Consumption:

	Year 2024											
	Jan'24	Feb'24	Mar'24	Apr'24	May'24	Jun'24	Jul'24	Aug'24	Sep'24	Oct'24	Nov'24	Dec'24
Fresh Water Consumption (KL/Day)	359.10	297.62	298.77	369.67	480.81	537.10	579.55	485.03	518.40	536.39	502.23	571.29
Total for the Month	11132	8631	9262	11090	14905	16113	17966	15036	15552	16628	15067	17710

6

Annexure 27 - Confined Space Work Permit

☒ Mechanical ☒ Electrical ☒ Instrument ☒ Civil ☒ Process ☒ Utilities

Date:	14/08/85	Time From:	12:35hrs to	17:00 Hrs.
Location:	Memo - D,	L 302		
Equipment / Pipe lines involved:	L 302 agitator			
Job Description:	blade to be fixed.			
Isolation Requirements				
Process	Electrical	Instrument	Mechanical	Utility
Synthetic ammonia dist			-	
(One blade replaced)				

plate to be OKed (on back logg):

GENERAL CHECK LIST

Equipment Isolated LOTOTO-Process (Physical Disconnection / Blind / Mechanical (Rotating Parts) Electrical (Feeder)	YES / NO / NA
Equipment / Pipeline Depressurised / Flushed / Drained / Cooled and Ensured free of material.	YES / NO / NA
Presence of Flammable Material / Products checked and Removed from the 35 ft surrounding area	YES / NO / NA
Do not operate tags placed on isolation valves.	YES / NO / NA
Area barricaded and sign post provided	YES / NO / NA
Proper Ventilation (Fan/Air hose) and Illumination (Lighting) provided.	YES / NO / NA
Instrument connections isolated / Radioactive sources isolated.	YES / NO / NA
Personnel assigned the job has been explained and understood about the safe working method.	YES / NO / NA

Personnel assigned the job has been explained and understood about the safe working method.

PRECAUTION - CHECK LIST (To be filled by Service Department)

All Portable Tools and Equipment's is in good condition.
Certified Chain pulley block / Crane used for rigging activity.
Lifting tackles SWL is 2 times more than the material being lift.
Monorail/Holding Structure / MS Beam safe to lift the material.
Fire guard available at the spot with adequate Fire hydrant hoses & Fire extinguishers (CO2, DCP, M.Foam)

HEIGHT WORK - CHECK LIST

Safe access to workplace and Condition of Ladder/ scaffolding / Platform is checked.		Condition of the safety belt is checked and the hook is properly anchored to a fixed / rigid support.
Safety Net required and provided.		
Fragile roof, Roof ladder / Cat walk checked & found in order.		

HOT WORK CHECK LIST

HOT WORK CHECK LIST	CONFINED SPACE ENTRY-CHECKLIST
Provide welding blankets and Protect against falling sparks	YES/NO/NA YES / NO / NA
Adjacent Equipment/Drains/Cutters covered.	YES/NO/NA YES / NO / NA
Welding cables / Gas hoses were properly routed	YES/NO/NA YES / NO / NA
Area Checked with explosives meter..... % LEL/NA	Confined Space checked for LEL..... CO ₂ O ₂
	FYSC/AVATION WORK - CHECK LIST

HAZARDOUS WORK CHECK LIST

HAZARDOUS WORK CHECK LIST		EXCAVATION WORK - CHECK LIST	
Wind direction noted	YES/NO/NA	Precautions against damaging underground cable.	YES / NO / NA
Escape route / Exit clear	YES/NO/NA	(Informed to Instrument / Electrical Department)	
Spark proof tools provided.	YES/NO/NA	Precautions against damaging Underground pipe.	YES / NO / NA
		(Informed to Mechanical department)	

Open process

Name of the persons involved on the work

father	Ambarison, Soeramaun, Sandikah
name of the Contract	

1

Ambrasion, Seppanman, Sandkath

the job mentioned.

mentioned.

The above precautions are checked and found in order. The work-place is certified safe to carry out the job mentioned.

Service Department / Requester

User Department / Issuer

Approver - 1

Approved -

PERMIT EXTENSION / DAYWISE RENEWAL

Date									
Time - From: To:									
Department	Time	Sign	Time	Sign	Time	Sign	Time	Sign	Time
Operator									
Service Dept.									
User Dept.									
Approver - 1									
Approver - 2									
ACM									

Equipment handing over Status.

AGM					YB6/NO
Equipment handling over Status.					Time: 16:30 hrs
Process	Electrical	Instrument	Mechanical	Utility	Job Completion Status : Date: 14/02/2025 Incompletes Due to: N/A
* 29/8/87 C	*		-	-	Site Cleared of Material and Tools: YES/NO Machine Guard Retired: YES/NO Earthing Jumper Re fixed: YES/NO Service Department: User Department:

The Permit is suspended immediately in case an emergency declared and all persons report to nearest assembly point.

HAZARDS IDENTIFIED (JOINTLY BY ISSUER AND ACCEPTOR)

HAZARDS IDENTIFIED (JOINTLY BY ISSUER AND ACCEPTOR)

HAZARDOUS IDENTIFICATION POTENTIAL BY ASSIGNED RISK RATING (1-30)			
1.	2.	3.	Explosive Substances
1. Corrosive/Toxic chemical	5. Flammable substances	6. Hot Water / Steam	
4. Fumes / Dust / Vapors/Particles	8. Compressed Gases -	9. Electrical (High/Low Volt Static)	
7. High / Low Pressure	11. High / Low Temperature	12. Sharp / Protruding objects	
10. Moving Machinery / Vehicle	14. Overhead DANGER	15. Fall of person from height	
13. Auto-start Equipment	17. Trip / Slip / Fall	18. Use of Scaffold	
16. Low headroom	19. Stacking Material	21. Traffic	
19. Use of Ladder	20. Fragile Roof	24. Lack of Oxygen	
22. Unsafe Access	23. Confined Space	27. Buried Cables	
25. Arc / Glare / Poor Lighting	26. Lone Work	30. Vibration	
28. Buried Pipelines	29. NB/ise		
31. Lifting m/c, tackle overloading	32. Others (specify)		

B. PPE TO BE USED:

1.	2.	3.	4.
1. Melinect	2. Safety Shoes	3. Gum Boots	4. Hand glove (Cotton)
5. Hand glove (Elect)	6. Apron	7. Safety Goggles	8. Face Shield
9. PVC Overall	10. Ear Plug / Muff	11. Dust Mask	12. Gas Mask
13. SCBA	14. Safety Belt	15. Safety Net	16. Crawling Board
17. 3M Mask	18. Leather Gloves	19. Leg guard	20. Welding screen
21. Fall arrestor	22. Tripod	23. Lifeline	24. Others (specify)

C. PRECAUTIONS CHECKLIST

C. PRE-ENTRY TOOLS CHECK SHEET			
1.	2.	3.	4.
✓ 1. Job site checked			
4. Combustibles removed	5. EICB for portable tools	6. Lifting tools certified	
7. Adequate ventilation provided	8. Ignition sources isolated	9. LEL Checked	
10. Fire Fighting Equipment provided	11. Fire Fighters Alerted	12. Welding sets earthed	
13. Welding cable checked	14. Flashback arrestor for gas cylinder	15. Non-sparking tools provided	
16. Access Route Cleared	17. Ladder/Scaffold Checked	18. Arrangement to the safety belt	
19. Safety net installed	20. Barricaded below	21. Underground cable check	
22. Underground pipes checked	23. Adequate lighting provided	24. Method Statement Explained	
25. Portable tools checked	26. Hand tools condition checked	27. AIDS checked	
28. Shoring arrangement done	29. Insurance Coverage	30. Medical fitness checked	
31. Safety Training Provided	32. Emergency procedure explained	33. Signage's provided	
34. PPE provided	35. Supervision provided	36. Dust removed from the area	
37. Pour water continuously.	38. Nearby safety shower identified	39. Windsock visibility checked	
40. Other (specify)			

D. PERMIT ACCEPTANCE IN CASE OF CONTRACT JOBS: I have been explained the content of this permit and have been provided necessary PPE. I shall be responsible for supervising the job and ensuring compliance to all applicable safety precautions. 11/1/12

Name of Contractor / Supervisor:

十

Signature:

Date / time: 13:30hrs

E. PERMIT OWNER

0

F. PERMIT USER

G. PERMIT AUTHORIZER

NAME: _____

DAF

NAME: P. NIVNE ST

NAME:

Signature:

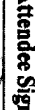
答

Signature: 

Signature

HAZARD ACCIDENT RISK PREVENTION (HARP)

Tool Box Talk

Attendee Name	Attendee Signature
Anbarson	
Saranan	—
Sadthayh	—

DATE _____

REMARKS

1

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Annexure 28 - Consent To Operate

Category of the Industry :

RED



CONSENT ORDER NO. 2507263890655 DATED: 19/06/2025.

PROCEEDINGS NO.T2/TNPCEB/F.0388CUD/RL//CUD/A/2025 DATED: 19/06/2025

SUB: Tamil Nadu Pollution Control Board -CONSENT TO OPERATE FOR EXPANSION-I -M/s. ASIAN PAINTS LIMITED (CAPTIVE POWER PLANT) - PHASE I , S.F.No. 129 , KUDIKADU village Cuddalore Taluk and Cuddalore District - Consent for operation of the plant and discharge of emissions under Section 21 of the Air (Prevention and Control of Pollution) Act, 1981 as amended in 1987 (Central Act 14 of 1981) –Issued- Reg. (Industry User ID- R16CUD5098623)

REF: 1. RCO. Proc. No.T2/TNPCEB/F.0388CUD/RL/CUD/W&A/2024 dated: 29/04/2024
2. CTE-Exp Proc.No.T1/TNPCEB/F.0388CUD/RL/CUD/W&A/2024 dated: 05/11/2024
3. Unit's application No. 63890655 dated: 26-03-2025
4. IR.No : F.0388CUD/RL/AE (M)/CUD/2025 dated 27/05/2025
5. TSC Resolution No. 240-15 dated:29.05.2025

CONSENT TO OPERATE FOR EXPANSION is hereby granted under Section 21 of the Air (Prevention and Control of Pollution) Act, 1981 as amended in 1987 (Central Act 14 of 1981) (hereinafter referred to as "The Act") and the rules and orders made there under to

The Factory Manager
M/s . ASIAN PAINTS LIMITED (CAPTIVE POWER PLANT) - PHASE I
S.F.No. 129
KUDIKADU Village
Cuddalore Taluk
Cuddalore District.

Authorizing the occupier to operate the industrial plant in the Air Pollution Control Area as notified by the Government and to make discharge of emission from the stacks/chimneys.

This is subject to the provisions of the Act, the rules and the orders made there under and the terms and conditions incorporated under the Special and General conditions stipulated in the Consent Order issued earlier and subject to the special conditions annexed.

This CONSENT is valid for the period ending **March 31, 2027**

SPECIAL CONDITIONS

1. This consent to operate for Expansion is valid for operating the facility for the manufacture of products (Col. 2) at the rate (Col. 3) mentioned below. Any change in the products and its quantity has to be brought to the notice of the Board and fresh consent has to be obtained.

Sl. No.	Description	Quantity	Unit
Product Details			
1.	Steam	30	MTT/hour
2.	Captive Power	1.9	MW
By-Product Details			
1.	Nil	0.0	
Intermediate Product Details			
1.	Nil	0.0	

2. This consent to operate for Expansion is valid for operating the facility with the below mentioned emission/noise sources along with the control measures and/or stack. Any change in the emission source/control measures/change in stack height has to be brought to the notice of the Board and fresh consent/Amendment has to be obtained.

I Point source emission with stack :				
Stack No.	Point Emission Source	Air pollution Control measures	Stack height from Ground Level in m	Gaseous Discharge in Nm ³ /hr
1	16 TPH Boiler	Multicyclone separators and bag filters followed by Stack	42	
2	14 TPH Boiler	Multicyclone separators and bag filters followed by Stack	50	
3	Coal Crusher	Bag Filters with stack	5	
II Fugitive/Noise emission :				
Sl. No.	Fugitive or Noise Emission sources	Type of emission	Control measures	
1.	Fly Ash Silo	Fugitive	Bag Filter	
2.	Coal Conveyor	Fugitive	Covered conveyors are used	

- 3(a). The emission shall not contain constituents in excess of the tolerance limits as laid down hereunder :
- | Sl. No. | Parameter | Unit | Tolerance limits | (1) | (2) | (3) | (4) | (5) |
|---------|-----------|------|------------------|-----|-----|-----|-----|-----|
| | | | | (6) | | | | |
- 3.(b) The Ambient Air in the industrial plant area shall not contain constituents in excess of the tolerance limits prescribed below.

Sl. No.	Pollutant	Time Weighted Average	Unit	Tolerance Limits	
				Industrial, Residential, Rural and other area	Ecologically Sensitive Area (notified by Central Govt.)
1.	Sulphur Dioxide (SO ₂)	Annual 24 hours	microgram/m ³	50 80	20 80
2.	Nitrogen Dioxide (NO ₂)	Annual 24 hours	microgram/m ³	40 80	30 80
3.	Particulate Matter (Size Less than 10 micro M) or PM10	Annual 24 hours	microgram/m ³	60 100	60 100
4.	Particulate Matter (Size Less than 2.5 micro M) or PM2.5	Annual 24 hours	microgram/m ³	40 60	40 60
5.	Ozone (O ₃)	8 Hours 1 Hour	microgram/m ³	100 180	100 180
Sl. No.	Pollutant	Time Weighted Average	Unit	Tolerance Limits	Industrial, Residential, Rural and other area
					Ecologically Sensitive Area (notified by Central Govt.)
6.	Lead (Pb)	Annual 24 hours	microgram/m ³	0.5 1.0	0.5 1.0
7.	Carbon Monoxide (CO)	8 Hours 1 Hour	mligram/m ³	02 04	02 04
8.	Ammonia (NH ₃)	Annual 24 hours	microgram/m ³	100 400	100 400
9.	Benzene (C ₆ H ₆)	Annual	microgram/m ³	5	5
10.	Benzo(O) Pyrene (BaP) –particulate phase only	Annual	nanogram/m ³	01	01
11.	Arsenic (As)	Annual	nanogram/m ³	06	06
12.	Nickel (Ni)	Annual	nanogram/m ³	20	20

3(c) The Ambient Noise Level in the industrial plant area shall not exceed the limits prescribed below:

Limits in L.eq.-dB(A)	Day Time	Night Time
Industrial Area	75	70

4. All units of the Air pollution control measures shall be operated efficiently and continuously so as to achieve the standards prescribed in Sl. No.3 above.
5. The occupier shall not change or alter quality or quantity or the rate of emission or replace or alter the air pollution control equipment or change the raw material or manufacturing process resulting in change in quality and/or quantity of emissions without the previous written permission of the Board.
6. The occupier shall maintain log book regarding the stack monitoring system or operation of the plant or any other particulars for each of the unit operations of air pollution control systems to reflect the working condition which shall be furnished for verification of the Board officials during inspection.

7. The occupier shall at his own cost get the samples of emission/air/noise levels collected and analyzed by the TNPC Board Laboratory once in every 6 months/once in a year/periodically for the parameters as prescribed.

8. Any upset condition in any of the plants of the factory which is likely to result in increased emissions and result in violation of the standards mentioned in SI.No.3 shall be reported to the Member Secretary / Joint Chief Environmental Engineer-Monitoring and the concerned District/Assistant Environmental Engineer of the Board by e-mail immediately and subsequently by Post with full details of such upset condition.

9. The occupier shall always comply and carry out the order/directions issued by the Board in this Consent Order and from time to time without any negligence. The occupier shall be liable for action as per provisions of the Act in case of non compliance of any order/directions issued.

Special Additional Conditions:

The unit shall obtain No Objection Certificate (NOC) from the Tamil Nadu Bio Diversity Board /National Bio Diversity Authority if the unit is using any Biological resources or knowledge associated thereto as per the provisions of Biological Diversity Act 2002.

The industries shall take all efforts to use and popularize "Mission LIFE" logo and mascot which is available in TNPCB & MoEFCC website. They shall also request their employees to adopt "Mission LIFE" action points and document the same and furnish half yearly report to Board.

Additional Conditions:

1. The unit shall operate and maintain the Air Pollution Control measures efficiently and continuously so as to achieve the National Ambient Air Quality/Emissions standards prescribed by the MoEF&CC.

2. The unit shall achieve the ambient noise level standards prescribed by the Board.

3. The unit shall comply with the emission standards for Thermal Power Plants viz., PM – 50mg/m³, NO_x – 450mg/m³, Hg – 0.03mg/m³ and SO₂ – 600mg/m³ as per Ministry's Notification S.O. 3305(E) dated: 07.12.2015, G.S.R. 593(E) dated: 28.06.2018, G.S.R. 662(E). dated:19.10.2020 and as amended from time to time for Thermal Power plants.

4. The unit shall calibrate and maintain the online continuous emission monitoring system for the air quality parameters such as PM, SO₂, NO_x once in six months and upload quality data to CAC, Tamil Nadu Pollution Control Board, and Chennai without any interruption.

5. The unit shall install Flue Gas De - sulphuration (FGD) System based on Lime/Ammonia dosing to capture Sulphur in the flue gases to meet the SO₂ emissions standards before 31.12.2028 (Category B) as specified by MoEF&CC.

6. The unit shall conduct AAQ/SM/ANL survey by TNPCB Lab twice a year and furnish ROA to the Board.

7. The unit shall continue to develop adequate green belt in and around the unit's premises.

8. The unit shall comply with the CPCB direction dated 21/02/2018 regarding Stack monitoring facility as per Emission Regulation Part -III.

9. The Unit shall operate and maintain the following measures for control of fugitive emission.

Coal handling plant:

a. To store the coal in a complete closed shed to reduce the emission due to wind.

b. Totally enclosed coal conveyors to prevent wind erosion.

c. Dust extraction systems at various dust emanating sources such as coal crusher, coal bunker, ash silo and all transfer points.

d. Water sprinklers at various places in coal handling areas for wetting of coal.

e. Coal movement inside the plant by covered coal conveyors only.

f. Black topped roads inside the plant to prevent dust emission due to vehicular movement.

Ash handling plant:

a. Dust collectors at various places such as Electro Static Precipitators, Air pre heater, Economizers, etc.

b. The total dust collection system should be a closed one to prevent exposure of fly ash to atmosphere.

c. The dry fly ash loading system for ash silos to load the closed vehicle for transportation to beneficial users.

10. The unit shall not go for expansion or enhanced production without valid consent of the Board.

11. In case of revision of consent fee by the Government, the unit shall remit the difference in amount within one month from the date of notification. Failing to remit the consent fee, this consent order will be withdrawn without any notice and further action will be initiated against the unit as per law.

12. Concealing the factual data or failure to comply with any of the conditions mentioned in the consent order may result in withdrawal of this Consent and attract legal actions under the provisions of the Water (P&C) Act, 1974 as amended.

GENERAL CONDITIONS

1. The occupier shall make an application along with the prescribed consent fee for grant of renewal of consent at least 60 days before the date of expiry of this Consent Order along with all the required particulars ensuring that there is no change in production quantity and emission.
2. This Consent is given by the Board in consideration of the particulars given in the application. Any change or alteration or deviation made in actual practice from the particulars furnished, in the application will also be ground for review/variation/revocation of the Consent Order under Section 21 of the Act.
3. The conditions imposed shall continue in force until revoked under Section 21 of the Act.
4. After the issue of this order, all the 'Consent to Operate' orders issued previously under Air (Prevention and Control of Pollution) Act, 1981 as amended stands defunct.
5. The occupier shall maintain an Inspection Register in the factory so that the inspecting officer shall record the details of the observations and instructions issued to the unit at the time of inspection for adherence.
6. The occupier shall provide and maintain an alternate power supply along with separate energy meter for the Air Pollution Control measures sufficient to ensure continuous operation of all pollution control equipments to ensure compliance.
7. The occupier shall provide all facilities to the Board officials for collection of samples in and around the factory at any time.
8. The applicant shall display the flow diagram of the sources of emission and pollution control systems provided at the site.
9. The liquid effluent arising out of the operation of the air pollution control equipment shall also be treated in a manner and to the satisfaction of standards prescribed by the Board in accordance with the provisions of Water (Prevention and Control of Pollution) Act, 1974 as amended.
10. The air pollution control equipments, location of inspection chambers and sampling port holes shall be made easily accessible at all time.
11. In case of any episodal discharge of emission, the industry shall take immediate action to bring down the emission within the limits prescribed by the Board.
12. If applicable, the occupier has to comply with the provisions of Public Liability Insurance Act, 1991 to provide immediate relief in the event of any hazard to human beings, other living creatures/plants and properties while handling and storage of hazardous substances.
13. The issuance of this consent does not authorize or approve the construction of any physical structures or facilities or the undertaking of any work in any natural watercourse or in Government Poromboke lands.
14. The issuance of this Consent does not convey any property right in either real personal property or any exclusive privileges, nor does it authorize any injury to private property or Government property or any invasion of personal rights nor any infringement of Central, State laws or regulation.
15. The occupier shall forth with keep the Board informed of any accident of unforeseen act or event of any poisonous, noxious or polluting matter or emissions are being discharged into stream or well or air as a result of such discharge, water or air is being polluted.
16. If due to any technological improvements or otherwise the Board is of opinion that all or any of the conditions referred to above requires variation (including the change of any treatment system, either in whole or in part) the Board shall, after giving the applicant an opportunity of being heard, vary all or any of such conditions and thereupon the applicant shall be bound to comply with the conditions as so varied.
17. In case there is any change in the constitution of the management, the occupier of the new management shall file fresh application under Air (Prevention and Control of Pollution) Act, 1981, as amended in Form-I alongwith relevant documents of change of management immediately and get the necessary amendment with renewal of consent order.
18. In case there is any change in the name of the company alone, the occupier shall inform the same with relevant documents immediately and get the necessary amendments for the change of name from the Board.

19. The occupier shall display this consent order granted to him in a prominent place for perusal of the inspecting Officers of this Board.

To

The Factory Manager,
M/s. ASIAN PAINTS LIMITED (CAPTIVE POWER PLANT) - PHASE I,
6-A Shanthi Nagar, Opp to Hotel Grand Hyatt, Santacruz(E), PO Box No.6818 Mumbai
Pin: 400055

Copy to:

1. The Commissioner, CUDDALORE-Panchayat Union, Cuddalore Taluk, Cuddalore District.
2. The District Environmental Engineer, Tamil Nadu Pollution Control Board, CUDDALORE.
3. The JCEE-Monitoring, Tamil Nadu Pollution Control Board, Cuddalore.
4. File

Signature Not Verified

Digitally Signed by: JOSEPHINE
SAHAYARANI
For Member Secretary
Tamil Nadu Pollution Control Board,
Chennai

Date: 2025.06.19 17:47:58 IST

Category of the Industry :

RED



CONSENT ORDER NO. 2507163890655 DATED: 19/06/2025.

PROCEEDINGS NO.T2/TNPCE/F.0388CUD/RL/CUD/W/2025 DATED: 19/06/2025

SUB: Tamil Nadu Pollution Control Board -CONSENT TO OPERATE FOR EXPANSION-I -M/s. ASIAN PAINTS LIMITED (CAPTIVE POWER PLANT) - PHASE 1, S.F.No. 129 , KUDIKADU village Cuddalore Taluk and Cuddalore District - Consent for the operation of the plant and discharge of sewage and/or trade effluent under Section 25 of the Water (Prevention and Control of Pollution) Act, 1974 as amended in 1988 (Central Act 6 of 1974) – Issued- Reg. (Industry User ID- R16CUD5098623)

- REF:** 1. RCO. Proc. No.T2/TNPCE/F.0388CUD/RL/CUD/W&A/2024 dated: 29/04/2024
2. CTE-Exp Proc.No.T1/TNPCE/F.0388CUD/RL/CUD/W&A/2024 dated: 05/11/2024
3. Unit's application No. 63890655 dated: 26-03-2025
4. IR.No : F.0388CUD/RL/AE (M)/CUD/2025 dated 27/05/2025
5. TSC Resolution No. 240-15 dated:29.05.2025

CONSENT TO OPERATE FOR EXPANSION is hereby granted under Section 25 of the Water (Prevention and Control of Pollution) Act, 1974 as amended in 1988 (Central Act, 6 of 1974) (hereinafter referred to as "The Act") and the rules and orders made there under to

The Factory/ Manager
M/s . ASIAN PAINTS LIMITED (CAPTIVE POWER PLANT) - PHASE 1
S.F.No. 129
KUDIKADU Village
Cuddalore Taluk
Cuddalore District.

Authorising the occupier to make discharge of sewage and /or trade effluent.

This is subject to the provisions of the Act, the rules and the orders made there under and the terms and conditions incorporated under the Special and General conditions stipulated in the Consent Order issued earlier and subject to the special conditions annexed.

This CONSENT is valid for the period ending **March 31, 2027**

SPECIAL CONDITIONS

1. This consent to operate for Expansion is valid for operating the facility for the manufacture of products (Col. 2) at the rate (Col. 3) mentioned below. Any change in the products and its quantity has to be brought to the notice of the Board and fresh consent has to be obtained.

Sl. No.	Description	Quantity	Unit
Product Details			
1.	Steam	30	MT/hour
2.	Captive Power	1.9	MW
By-Product Details			
1.	Nil	0.0	
Intermediate Product Details			
1.	Nil	0.0	

2. This consent to operate for Expansion is valid for operating the facility with the below mentioned permitted outlets for the discharge of sewage/trade effluent. Any change in the outlets and the quantity has to be brought to the notice of the Board and fresh consent has to be obtained.

Outlet No.	Description of Outlet	Maximum daily discharge in KLD	Point of disposal
Effluent Type : Sewage			
1.	Sewage	1.0	Treated in Penta division STP
Effluent Type : Trade Effluent			
1.	Trade effluent	2.0	Treated in Penta division ETP system

3. The effluent discharge shall not contain constituents in excess of the tolerance Limits as laid down hereunder.

Sl. No.	Parameters	Unit	TOLERANCE LIMITS - OUTLETS -Nos			
			Sewage	Trade Effluent		
1.	pH		1 5.5 to 9	1 5.5 to 9		
2.	Temperature	oC	-	shall not exceed 5°C above the receiving water temperature		
3.	Particle size of Suspended solids	-	-	shall pass 850 micron IS sieve		
4.	Total Suspended Solids	mg/l	30	100		
5.	Total Dissolved solids (inorganic)	mg/l	-	2100		
6.	Oil & Grease	mg/l	-	10		
7.	Biochemical Oxygen Demand (3 days at 27oC)	mg/l	20	30		
8.	Chemical Oxygen Demand	mg/l	-	250		
9.	Chloride (as Cl)	mg/l	-	1000		
10.	Sulphates (as SO4)	mg/l	-	1000		
11.	Total Residual Chlorine	mg/l	-	1		
12.	Ammonical Nitrogen (as N)	mg/l	-	50		
13.	Total Kjeldahl Nitrogen (as N)	mg/l	-	100		
14.	Free Ammonia (as NH3)	mg/l	-	5		
15.	Arsenic (as As)	mg/l	-	0.2		
16.	Mercury (as Hg)	mg/l	-	0.01		
17.	Lead (as Pb)	mg/l	-	0.1		
18.	Cadmium(as Cd)	mg/l	-	2		
19.	Hexavalent Chromium (as Cr+6)	mg/l	-	0.1'		
20.	Total Chromium (as Cr)	mg/l	-	2		
21.	Copper (as Cu)	mg/l	-	3		
22.	Zinc (as Zn)	mg/l	-	1		
23.	Selenium (as Se)	mg/l	-	0.05		
24.	Nickel (as Ni)	mg/l	-	3		
25.	Boron (as B)	mg/l	-	2		
26.	Percent Sodium	%	-	-		
27.	Residual Sodium Carbonate	mg/l	-	-		
28.	Cyanide (as CN)	mg/l	-	0.2		
29.	Fluoride (as F)	mg/l	-	2		
30.	Dissolved Phosphates(as P)	mg/l	-	5		
31.	Sulphide (as S)	mg/l	-	2		
32.	Pesticides	mg/l	-			
33.	Phenolic Compounds (as C6H5OH)	mg/l	-	1		
34.	Radioactive materials a) Alpha emitters	micro curie/ml	-	10-7		
35.	Radioactive materials b). Beta emitters	micro curie/ml	-	10-6		

36.	Fecal Coliform	MPN/100ml	-	-		
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4. All units of the sewage and Trade effluent treatment plants shall be operated efficiently and continuously so as to achieve the standards prescribed in Sl No.3 above or to achieve the zero liquid discharge of effluent as applicable.
5. The occupier shall maintain the Electro Magnetic Flow Meters/water Meters installed at the inlet of the water supply connection for each of the purposes mentioned below for assessing the quantity of water used and ensuring that such meters are easily accessible for inspection and maintenance and for other purposes of the Act.
 - a. Industrial Cooling, Spraying in mine pits or boiler feed.
 - b. Domestic purpose.
 - c. Process.
6. The occupier shall maintain the Electro Magnetic Flow Meters with computer recording arrangement for measuring the quantity of effluent generated and treated for the monitoring purposes of the Act.
7. Log book for each of the unit operations of ETP have to be maintained to reflect the working condition of ETP along with the readings of the Electro Magnetic Flow Meters installed to assess effluent quantity and the same shall be furnished for verification of the Board officials during inspection.
8. The occupier shall at his own cost get the samples of effluent/surface water/ground water collected in and around the unit by Board officials and analyzed by the TNPC Board Laboratory periodically.
9. Any upset condition in any of the plants of the factory which is, likely to result in increased effluent discharge and result in violation of the standards mentioned in Sl. No.3 above shall be reported to the Member Secretary / Joint Chief Environmental Engineer-Monitoring and the concerned District/Assistant Environmental Engineer of the Board by e-mail immediately and subsequently by Post with full details of such upset condition.
10. The occupier shall always comply and carryout the order/directions issued by the Board in this Consent Order and from time to time without any negligence. The occupier shall be liable for action as per provisions of the Act in case of non compliance of any order/directions issued.
11. The occupier shall develop adequate width of green belt at the rate of 400 numbers of trees per Hectare.
12. The occupier shall provide and maintain rain water harvesting facilities.
13. The occupier shall ensure that there shall not be any discharge of effluent either treated or untreated into storm water drain at any point of time.
14. In the case of zero liquid discharge of effluent units, the occupier shall adhere the following conditions as laid under.
 - i). The occupier shall ensure zero liquid discharge of effluent, thereby no discharge of untreated / treated effluent on land or into any water bodies either inside or outside the premises at any point of time.
 - ii) The occupier shall operate and maintain the Zero liquid discharge treatment components comprising of Primary, Secondary and tertiary treatment systems at all times and ensure that the RO permeate/Evaporator condensate shall be recycled in the process and the final RO reject shall be disposed off with the reject management system ensuring zero liquid discharge of effluents in the premises.
 - iii) The occupier shall operate and maintain the reject management system effectively and recover the salt from the system which shall be reused in the process if reusable.
 - iv) In case of failure to achieve zero discharge of effluents for any reason, the occupier shall stop its production and operations forthwith and shall be reported to the Member Secretary/Joint Chief Environmental Engineer-Monitoring and the concerned District/Assistant Environmental Engineer of the Board by e-mail immediately and subsequently by Post with full details of such upset condition.
 - v) The occupier shall restart the production only after ascertaining that the Zero discharge treatment system can perform effectively for achieving zero discharge of effluents.

Special Additional Conditions:

The unit shall obtain No Objection Certificate (NOC) from the Tamil Nadu Bio Diversity Board /National Bio Diversity Authority, if the unit is using any Biological resources or knowledge associated thereto as per the provisions of Biological Diversity Act 2002.

The industries shall take all efforts to use and popularize "Mission LIFE" logo and mascot which is available in TNPCB & MoEFCC website. They shall also request their employees to adopt "Mission LIFE" action points and document the same and furnish half yearly report to Board.

Additional Conditions:

1. The unit shall ensure that sewage (TKLD) generated from M/s.Asian Paints Limited (Captive Power Plant)is treated in the Sewage Treatment Plant provided in the main plant (M/s. Asian Paints Limited - Penta Division) so as to bring the quality of the treated sewage to satisfy the standards prescribed by the Board.
2. The unit shall ensure that effluent (2KLD) generated from M/s.Asian Paints Limited (Captive Power Plant) is treated in Effluent Treatment Plant with Zero Liquid Discharge System provided in the main plant (M/s. Asian Paints Limited - Penta Division) so as to achieve Zero Liquid Discharge of Trade effluent.
3. The unit shall maintain the online monitors for effluent parameters such as pH, BOD, COD, TSS & Flow to WQW, TNPCB & flow meters of the Common ETP and ensure connectivity to WQW, TNPCB, Chennai at all times.
4. The unit shall maintain the EMFM with computer recording arrangements and energy meter readings provided in the ETP of main plant (M/s. Asian Paints Limited - Penta Division) and furnish the data to the Board every month.
5. The unit shall ensure to maintain the online pH and TDS meter provided in the storm water drains so to ensure that no chemical contamination takes place during rains outside the premises.
6. The unit shall collect and dispose solid waste of fly ash and bottom ash for beneficial use viz., utilization through the cement industries/fly ash brick manufacturers, then and there without accumulation within the premises.
7. The unit shall furnish the fly ash and bottom ash generation, accumulation and its disposal detail every fortnight and the action plan for the unutilized fly ash & legacy waste stored within the premises.
8. The unit shall comply with Fly Ash Utilization as per MoEF& CC Notification dated 31.12.2021 as amended on 30.12.2022 & 01.01.2024 and MoPNotification dated:15.03.2024 to ensure 100% utilization of ash.
9. The unit shall register in ASH PORTAL developed by CPCB (coalash.opcb.gov.in) for uploading of ash generation & sending for 100% beneficial usage in order to comply with Ash Notification No.SO.5481(E) dated 31/12/2021 as amended and inform action taken in this regard to TNPCB.
10. The unit shall submit Annual implementation report (for the period 1st April to 31st March) providing information about the compliance of provisions in this notification by the 30th day of April, every year to the Central Pollution Control Board and Tamil Nadu Pollution Control Board.
11. The unit shall apply & obtain authorization under the provisions of Hazardous and Other Wastes (Management & Trans Boundary Movement) Rules, 2016 for its expansion activity.
12. The unit shall comply with the E-Waste Management Rules 2022 as amended in 2023. E- Waste as listed in Schedule-1, generated by them shall be channelized through collection centre or dealer of authorized producer or the dismantler or recycler or through designated take Back service provider of the producer to authorized dismantler or recycler.
13. The unit shall not go for expansion or enhanced production without valid consent of the Board.
14. The unit shall submit Environmental Statement for the financial year ending the 31st March in form-V as per the Rule 14 of the Environment (Protection) Rules, 1986.
15. The unit shall not use 'use and throwaway plastics' such as plastic sheets used for food wrapping, spreading on dining table etc., plastic plates, plastic coated tea cups, plastic tumbler, water pouches and packets, plastic straw, plastic carry bag and plastic flags irrespective of thickness, within the industry premises. Instead, the unit shall encourage use of ecofriendly alternative such as banana leaf, areca nut palm plate, stainless steel, glass, porcelain plates/cups, cloth bag, jute bag etc.
16. In case of revision of consent fee by the Government, the unit shall remit the difference in amount within one month from the date of notification. Failing to remit the consent fee, this consent order will be withdrawn without any notice and further action will be initiated against the unit as per law
17. Concealing the factual data or failure to comply with any of the conditions mentioned in the consent order may result in withdrawal of this Consent and attract legal actions under the provisions of the Water (P&CP) Act, 1974 as amended.

GENERAL CONDITIONS

1. The occupier shall make an application along with the prescribed consent fee for grant of renewal of consent at least 60 days before the date of expiry of this Consent Order along with all the required particulars ensuring that there is no change in Production quantity and change in sewage/Trade effluent.
2. This Consent is issued by the Board in consideration of the particulars given in the application. Any change or alteration or deviation made in actual practice from the particulars furnished in the application will also be ground for review/variation/revocation of the Consent Order under Section 27 of the Act and to make such variation as deemed fit for the purpose of the Act.
3. The consent conditions imposed in this order shall continue in force until revoked under Section 27(2) of the Act.
4. After the issue of this order, all the 'Consent to Operate' orders issued previously under Water (Prevention and Control of Pollution) Act, 1974 as amended stands defunct.
5. The occupier shall maintain an Inspection Register in the factory so that the inspecting officer shall record the details of the observations and instructions issued to the unit at the time of inspection for adherence.
6. The occupier shall provide and maintain an alternate power supply along with separate energy meter for the Effluent Treatment Plant sufficient to ensure continuous operation of all pollution control equipments to maintain compliance.
7. The occupier shall provide all facilities to the Board officials for inspection and collection of samples in and around the factory at any time.
8. The occupier shall display the flow diagram of the sources of effluent generation and pollution control systems provided at the ETP site.
9. The solid waste such as sweepings, wastage, package, empty containers, residues, sludge including that from air pollution control equipments collected within the premises of the industrial plant shall be collected in an earmarked area and shall be disposed off properly.
10. The occupier shall collect, treat the solid wastes like food waste, green waste generated from the canteen and convert into organic compost.
11. The occupier shall segregate the Hazardous waste from other solid wastes and comply in accordance with Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008.
12. The occupier shall maintain good house-keeping within the factory premises.
13. All pipes, valves, sewers and drains shall be leak proof. Floor washings shall be admitted into the trade effluent collection system only and shall not be allowed to find their way in storm drains or open areas.
14. The occupier shall ensure that there shall not be any diversion or by-pass of trade effluent on land or into any water sources.
15. The occupier shall ensure that solar Evaporation pans shall be constructed in such a way that the bottom of the solar pan is at least 1 m above the Ground level (if applicable).
16. The occupier shall furnish the following returns in the prescribed formats to the concerned District office regularly.
 - a) Monthly water consumption returns of each of the purposes with water meter readings in Form-I on or before 5th of every month.
 - b) Yearly return on Hazardous wastes generated and accumulated for the period from 1st April to 31st March in Form-4 before the end of the subsequent 30th June of every year (if applicable).
 - c) Yearly Environmental Statement for the period from 1st April to 31st March in Form -V before the end of the subsequent 30th September of every year(if applicable).
17. If applicable, the occupier has to comply with the provisions of Public Liability Insurance Act, 1991 to provide immediate relief in the event of any hazard to human beings, other living creatures/plants and properties while handling and storage of hazardous substances.
18. The issuance of this consent does not authorize or approve the construction of any physical structures or facilities or the undertaking of any work in any natural watercourse or in Government Poromboke lands.
19. The issuance of this Consent does not convey any property right in either real personal property or any exclusive privileges, nor does it authorize any injury to private property or Government property or any invasion of personal rights nor any infringement of Central, State laws or regulation.

20. The occupier shall forth with keep the Board informed of any accident of unforeseen act or event of any poisonous, noxious or polluting matter or emissions are being discharged into stream or well or air as a result of such discharge, water or air is being polluted.
21. If due to any technological improvements or otherwise the Board is of opinion that all or any of the conditions referred to above requires variation (including the change of any treatment system, either in whole or in part) the Board shall, after giving the applicant an opportunity of being heard, vary all or any of such conditions and thereupon the applicant shall be bound to comply with the conditions as so varied.
22. In case there is any change in the constitution of the management, the occupier of the new management shall file fresh application under Water (Prevention and Control of Pollution) Act, 1974, as amended in Form-II alongwith relevant documents of change of management immediately and get the necessary amendment with renewal of consent order.
23. In case there is any change in the name of the company alone, the occupier shall inform the same with relevant documents immediately and get the necessary amendments for the change of name from the Board.
24. The occupier shall display this consent order granted to him in a prominent place for perusal of the inspecting Officers of this Board.

To

The Factory Manager,

M/s. ASIAN PAINTS LIMITED (CAPTIVE POWER PLANT) - PHASE I,

6-A Shanthi Nagar, Opp to Hotel Grand Hyatt, Santacruz(E), PO Box No.6818 Mumbai

Pin: 400055

Copy to:

1. The Commissioner, CUDDALORE-Panchayat Union, Cuddalore Taluk, Cuddalore District.
2. The District Environmental Engineer, Tamil Nadu Pollution Control Board, CUDDALORE.
3. The ICBE-Monitoring, Tamil Nadu Pollution Control Board, Cuddalore.
4. File

Signature Not Verified

Digitally Signed by: JOSEPHINE
SAHAYARANI
For Member Secretary
Tamil Nadu Pollution Control Board,
Chennai

Date: 2025.06.19 17:51:45 IST

Category of the Industry :

RED

CONSENT ORDER NO. 2407262689206

DATED: 30/10/2024.

PROCEEDINGS NO.T6/TNPCB/F.0020CUD/RL//CUD/A/2024 DATED: 30/10/2024

SUB: Tamil Nadu Pollution Control Board –CONSENT TO OPERATE FOR EXPANSION-II -M/s. ASIAN PAINTS LTD, PENTA DIVISION - PHASE I, S.F.No. 126,127,128/1,128/2,130,137/1,137/2,137/4,165/2,129(Part), KUDIKADU village Cuddalore Taluk and Cuddalore District - Consent for operation of the plant and discharge of emissions under Section 21 of the Air (Prevention and Control of Pollution) Act, 1981 as amended in 1987 (Central Act 14 of 1981) –Issued- Reg. (Industry User ID- R15CUD118194)

REF: 1. CTE Expansion II Proceeding No. T6/TNPCB/F.0020CUD/RL/CUD/W&A/2024 Dated: 11.09.2024

2. Application No. 62689206 Dated 19.10.2024
3. DEE, Cuddalore IR No. F.0020CUD/RL/AEE/CUD/2024 Dated 22.10.2024
4. Minutes of the CCC Meeting vide CCC item no.329-38 Dated 24.10.2024

CONSENT TO OPERATE FOR EXPANSION is hereby granted under Section 21 of the Air (Prevention and Control of Pollution) Act, 1981 as amended in 1987 (Central Act 14 of 1981) (hereinafter referred to as "The Act") and the rules and orders made there under to

Associate General Manager
M/s. ASIAN PAINTS LTD,PENTA DIVISION - PHASE I
S.F.No. 126,127,128/1,128/2,130,137/1,137/2,137/4,165/2,129(Part)
KUDIKADU Village
Cuddalore Taluk
Cuddalore District.

Authorizing the occupier to operate the industrial plant in the Air Pollution Control Area as notified by the Government and to make discharge of emission from the stacks/chimneys.

This is subject to the provisions of the Act, the rules and the orders made there under and the terms and conditions incorporated under the Special and General conditions stipulated in the Consent Order issued earlier and subject to the special conditions annexed.

This CONSENT is valid for the period ending **March 31, 2026**

J JOSEPHINE SAHAYA RANI Digitally signed by J JOSEPHINE SAHAYA RANI
Date: 2024.10.30 18:14:27 +05'30'

For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai

To
Associate General Manager,
M/s. ASIAN PAINTS LTD,PENTA DIVISION - PHASE I,
6-A Shanthi Nagar,
Opp to Hotel Grand Hyatt,
Santacruz(E),PO Box No.6818

Mumbai

Pin: 400055

Copy to:

1. The Commissioner, CUDDALORE-Panchayat Union, Cuddalore Taluk, Cuddalore District .
2. The District Environmental Engineer, Tamil Nadu Pollution Control Board, CUDDALORE.
3. The JCEE-Monitoring, Tamil Nadu Pollution Control Board, Cuddalore.
4. File

SPECIAL CONDITIONS

1. This consent to operate for Expansion is valid for operating the facility for the manufacture of products (Col. 2) at the rate (Col. 3) mentioned below. Any change in the products and its quantity has to be brought to the notice of the Board and fresh consent has to be obtained.

Sl. No.	Description	Quantity	Unit
Product Details			
1.	Pentaerythritol (Powder & Solution Form)	930	MTPM
2.	Formaldehyde	920	MTPM
By-Product Details			
1.	Sodium Formate (Powder & Solution form)	651	MTPM
Intermediate Product Details			
1.	Nil	0.0	

2. This consent to operate for Expansion is valid for operating the facility with the below mentioned emission/noise sources along with the control measures and/or stack. Any change in the emission source/control measures/change in stack height has to be brought to the notice of the Board and fresh consent/Amendment has to be obtained.

I Point source emission with stack :				
Stack No.	Point Emission Source	Air pollution Control measures	Stack height from Ground Level in m	Gaseous Discharge in Nm ³ /hr
1	Sodium Formate Dryer-1 No	Wet scrubber with stack	18	
2	Mono Pentaerythritol Dryer -1 No	Wet scrubber with stack	12	
3	Mono Pentaerythritol Dryer -1 No	Wet scrubber with stack	12	
4	Di PE Dryer-1 No	Wet scrubber with stack	18	
5	Fluidized Bed Dryer	Bag Filter, Dust Collector with stack	10.5	
6	DG 500 KVA - 1 No	Acoustic enclosure with stack and retrofit emission control device	12	
7	DG 600 KVA - 1 No	Acoustic enclosure with stack and retrofit emission control device	12	
8	Five Effect Evaporator ejector vent	Stack	13.8	
9	Crude Vacuum Crystallizer vent-1	Stack	13.8	
10	Crude Vacuum Crystallizer vent-2	Stack	13.85	
11	Double Effect Evaporator ejector vent	Stack	13.9	
12	Sodium Formate Crystallizer ejector vent	Stack	15.3	
13	Pure Vacuum Crystallizer ejector vent	Stack	13.8	
14	Formaldehyde plant Distillation column eject vent	Stack	14.5	
15	Tank No. T 148-1 vent	Stack	11.8	
16	Tank No. T 148-2 vent	Stack	11.8	
II Fugitive/Noise emission :				
Sl. No.	Fugitive or Noise Emission sources	Type of emission	Control measures	
1.	VOC emissions	Fugitive	Tank vents are connected to Fa blower suction	
2.	DG sets 500 KVA 1 no. & 600 KVA 1 no	Noise	Acoustic Enclosures	

3(a). The emission shall not contain constituents in excess of the tolerance limits as laid down hereunder :

Sl. No.	Parameter	Unit	Tolerance limits	(1) (2) (3) (4) (5)
No.			(6)	

3.(b) The Ambient Air in the industrial plant area shall not contain constituents in excess of the tolerance limits prescribed below.

Sl. No.	Pollutant	Time Weighted Average	Unit	Tolerance Limits	
				Industrial, Residential, Rural and other area	Ecologically Sensitive Area (notified by Central Govt.)
1.	Sulphur Dioxide (SO ₂)	Annual 24 hours	microgram/m ³	50 80	20 80
2.	Nitrogen Dioxide (NO ₂)	Annual 24 hours	microgram/m ³	40 80	30 80
3.	Particulate Matter (Size Less than 10 micro M) or PM10	Annual 24 hours	microgram/m ³	60 100	60 100
4.	Particulate Matter (Size Less than 2.5 micro M) or PM2.5	Annual 24 hours	microgram/m ³	40 60	40 60
5.	Ozone (O ₃)	8 Hours 1 Hour	microgram/m ³	100 180	100 180
Sl. No.	Pollutant	Time Weighted Average	Unit	Tolerance Limits	Industrial, Residential, Rural and other area
					Ecologically Sensitive Area (notified by Central Govt.)
6.	Lead (Pb)	Annual 24 hours	microgram/m ³	0.5 1.0	0.5 1.0
7.	Carbon Monoxide (CO)	8 Hours 1 Hour	mligram/m ³	02 04	02 04
8.	Ammonia (NH ₃)	Annual 24 hours	microgram/m ³	100 400	100 400
9.	Benzene (C ₆ H ₆)	Annual	microgram/m ³	5	5
10.	Benzo(O) Pyrene (BaP) –particulate phase only	Annual	nanogram/m ³	01	01
11.	Arsenic (As)	Annual	nanogram/m ³	06	06
12.	Nickel (Ni)	Annual	nanogram/m ³	20	20

3(c) The Ambient Noise Level in the industrial plant area shall not exceed the limits prescribed below:

Limits in L.eq.-dB(A)	Day Time	Night Time
Industrial Area	75	70

4. All units of the Air pollution control measures shall be operated efficiently and continuously so as to achieve the standards prescribed in Sl. No.3 above.
5. The occupier shall not change or alter quality or quantity or the rate of emission or replace or alter the air pollution control equipment or change the raw material or manufacturing process resulting in change in quality and/or quantity of emissions without the previous written permission of the Board.
6. The occupier shall maintain log book regarding the stack monitoring system or operation of the plant or any other particulars for each of the unit operations of air pollution control systems to reflect the working condition which shall be furnished for verification of the Board officials during inspection.

7. The occupier shall at his own cost get the samples of emission/air/noise levels collected and analyzed by the TNPC Board Laboratory once in every 6 months/once in a year/periodically for the parameters as prescribed.
 8. Any upset condition in any of the plants of the factory which is likely to result in increased emissions and result in violation of the standards mentioned in Sl.No.3 shall be reported to the Member Secretary / Joint Chief Environmental Engineer-Monitoring and the concerned District/Assistant Environmental Engineer of the Board by e-mail immediately and subsequently by Post with full details of such upset condition.
 9. The occupier shall always comply and carryout the order/directions issued by the Board in this Consent Order and from time to time without any negligence. The occupier shall be liable for action as per provisions of the Act in case of non compliance of any order/directions issued.
- Special Additional Conditions:**
- The unit shall obtain No Objection Certificate (NOC) from the Tamil Nadu Bio Diversity Board /National Bio Diversity Authority if the unit is using any Biological resources or knowledge associated thereto as per the provisions of Biological Diversity Act 2002.
- The industries shall take all efforts to use and popularize "Mission LIFE" logo and mascot which is available in TNPCB & MoEFCC website. They shall also request their employees to adopt "Mission LIFE" action points and document the same and furnish half yearly report to Board.

Additional Conditions:

1. The unit shall comply with the conditions stipulated in the Environmental Clearance obtained for expansion activity vide Letter No. SEIAA/TN/ F.6495/5(f)/ EC60/2018 Dated: 24.04.2018 obtained from SEIAA, Chennai and Environmental Clearance obtained for expansion activity vide Letter No. IA-J-11011/283/2021-IA II(d) dated 28.11.2022 obtained from MOEF & CC, New Delhi at all times.
2. The unit shall obtain EC amendment from MOEF & CC, New Delhi with respect to their actual quantity of recycling of treated wastewater before applying CTO of the Board for full-fledged production.
3. The unit shall operate and maintain the Air Pollution Control measures efficiently and continuously so that the emission shall satisfy the Ambient Air Quality/Emission standards prescribed by the Board.
4. The unit shall adhere to the Ambient Air Quality/Stack Emission/ Ambient Noise Level standards prescribed by the Board.
5. The unit shall conduct the Ambient Air Quality/Stack Emission/Fugitive Emission/Ambient TVOC/THC survey through MoEF approved Laboratory once in three months and furnish the report to the Board without fail.
6. The unit shall continue to develop adequate green belt with thick canopy within the premises, so as to attenuate air and noise pollution and furnish the exact green belt area ear marked/developed as per norms in the unit premises and furnish photographs along with latitude and longitude co-ordinates.
7. The unit shall operate and maintain the Continuous Ambient Air Quality Monitoring Station (PMD2.5, PM10, SO2, NOx) continuously and ensure the connectivity without any interruption with CARE AIR Centre, TNPC Board, Chennai.
8. The unit shall maintain the online sensors connected with Care Air Centre, Tamilnadu Pollution Control Board, Chennai and upload the data without any interruption.
9. The unit shall operate the plant without attracting complaints from the nearby public.
10. This consent order does not absolve from obtaining necessary permission / clearance from other Authority or under other Statute as applicable.

Digitally signed by J JOSEPHINE SAHAYA
RANI

J JOSEPHINE SAHAYA RANI

Date: 2024.10.30 18:14:55 +05'30'

For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai

GENERAL CONDITIONS

1. The occupier shall make an application along with the prescribed consent fee for grant of renewal of consent at least 60 days before the date of expiry of this Consent Order along with all the required particulars ensuring that there is no change in production quantity and emission.
2. This Consent is given by the Board in consideration of the particulars given in the application. Any change or alteration or deviation made in actual practice from the particulars furnished, in the application will also be ground for review/variation/revocation of the Consent Order under Section 21 of the Act.
3. The conditions imposed shall continue in force until revoked under Section 21 of the Act.
4. After the issue of this order, all the 'Consent to Operate' orders issued previously under Air (Prevention and Control of Pollution) Act, 1981 as amended stands defunct.
5. The occupier shall maintain an Inspection Register in the factory so that the inspecting officer shall record the details of the observations and instructions issued to the unit at the time of inspection for adherence.
6. The occupier shall provide and maintain an alternate power supply along with separate energy meter for the Air Pollution Control measures sufficient to ensure continuous operation of all pollution control equipments to ensure compliance.
7. The occupier shall provide all facilities to the Board officials for collection of samples in and around the factory at any time.
8. The applicant shall display the flow diagram of the sources of emission and pollution control systems provided at the site.
9. The liquid effluent arising out of the operation of the air pollution control equipment shall also be treated in a manner and to the satisfaction of standards prescribed by the Board in accordance with the provisions of Water (Prevention and Control of Pollution) Act, 1974 as amended.
10. The air pollution control equipments, location of inspection chambers and sampling port holes shall be made easily accessible at all time.
11. In case of any episodal discharge of emission, the industry shall take immediate action to bring down the emission within the limits prescribed by the Board.
12. If applicable, the occupier has to comply with the provisions of Public Liability Insurance Act, 1991 to provide immediate relief in the event of any hazard to human beings, other living creatures/plants and properties while handling and storage of hazardous substances.
13. The issuance of this consent does not authorize or approve the construction of any physical structures or facilities or the undertaking of any work in any natural watercourse or in Government Poromboke lands.
14. The issuance of this Consent does not convey any property right in either real personal property or any exclusive privileges, nor does it authorize any injury to private property or Government property or any invasion of personal rights nor any infringement of Central, State laws or regulation.
15. The occupier shall forth with keep the Board informed of any accident of unforeseen act or event of any poisonous, noxious or polluting matter or emissions are being discharged into stream or well or air as a result of such discharge, water or air is being polluted.
16. If due to any technological improvements or otherwise the Board is of opinion that all or any of the conditions referred to above requires variation (including the change of any treatment system, either in whole or in part) the Board shall, after giving the applicant an opportunity of being heard, vary all or any of such conditions and thereupon the applicant shall be bound to comply with the conditions as so varied.
17. In case there is any change in the constitution of the management, the occupier of the new management shall file fresh application under Air (Prevention and Control of Pollution) Act, 1981, as amended in Form-I alongwith relevant documents of change of management immediately and get the necessary amendment with renewal of consent order.
18. In case there is any change in the name of the company alone, the occupier shall inform the same with relevant documents immediately and get the necessary amendments for the change of name from the Board.

19. The occupier shall display this consent order granted to him in a prominent place for perusal of the inspecting Officers of this Board.

J JOSEPHINE SAHAYA RANI Digitally signed by J JOSEPHINE SAHAYA RANI
Date: 2024.10.30 18:15:31 +0530'

For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai

Category of the Industry :

RED

CONSENT ORDER NO. 2407162689206 DATED: 30/10/2024.

PROCEEDINGS NO.T6/TNPCE/F.0020CUD/RL/CUD/W/2024 DATED: 30/10/2024

SUB: Tamil Nadu Pollution Control Board –CONSENT TO OPERATE FOR EXPANSION-II -M/s. ASIAN PAINTS LTD,PENTA DIVISION - PHASE 1 , S.F.No. 126,127,128/1,128/2,130,137/1,137/2,137/4,165/2,129(Part), KUDIKADU village Cuddalore Taluk and Cuddalore District - Consent for the operation of the plant and discharge of sewage and/or trade effluent under Section 25 of the Water (Prevention and Control of Pollution) Act, 1974 as amended in 1988 (Central Act 6 of 1974) – Issued- Reg. (Industry User ID- R15CUD118194)

REF: 1. CTE Expansion II Proceeding No. T6/TNPCE/F.0020CUD/RL/CUD/W&A/2024 Dated: 11.09.2024

2. Application No. 62689206 Dated 19.10.2024
3. DEE, Cuddalore IR No. F.0020CUD/RL/AEE/CUD/2024 Dated 22.10.2024
4. Minutes of the CCC Meeting vide CCC item no.329-38 Dated 24.10.2024

CONSENT TO OPERATE FOR EXPANSION is hereby granted under Section 25 of the Water (Prevention and Control of Pollution) Act, 1974 as amended in 1988 (Central Act, 6 of 1974) (hereinafter referred to as "The Act") and the rules and orders made there under to

Associate General Manager
M/s. ASIAN PAINTS LTD,PENTA DIVISION - PHASE 1
S.F.No. 126,127,128/1,128/2,130,137/1,137/2,137/4,165/2,129(Part)
KUDIKADU Village
Cuddalore Taluk
Cuddalore District.

Authorising the occupier to make discharge of sewage and /or trade effluent.

This is subject to the provisions of the Act, the rules and the orders made there under and the terms and conditions incorporated under the Special and General conditions stipulated in the Consent Order issued earlier and subject to the special conditions annexed.

This CONSENT is valid for the period ending **March 31, 2026**

J JOSEPHINE SAHAYA RANI Digitally signed by J JOSEPHINE SAHAYA RANI
Date: 2024.10.30 18:16:56 +05'30'

For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai

To
Associate General Manager,
M/s. ASIAN PAINTS LTD,PENTA DIVISION - PHASE 1,
6-A Shanthi Nagar,
Opp to Hotel Grand Hyatt,
Santacruz(E),PO Box No.6818

Mumbai

Pin: 400055

Copy to:

1. The Commissioneer, CUDDALORE-Panchayat Union, Cuddalore Taluk, Cuddalore District .
2. The District Environmental Engineer, Tamil Nadu Pollution Control Board, CUDDALORE.
3. The JOEE-Monitoring, Tamil Nadu Pollution Control Board, Cuddalore.
4. File

SPECIAL CONDITIONS

1. This consent to operate for Expansion is valid for operating the facility for the manufacture of products (Col. 2) at the rate (Col. 3) mentioned below. Any change in the products and its quantity has to be brought to the notice of the Board and fresh consent has to be obtained.

Sl. No.	Description	Quantity	Unit
Product Details			
1.	Pentaerythritol (Powder & Solution Form)	930	MTPM
2.	Formaldehyde	920	MTPM
By-Product Details			
1.	Sodium Formate (Powder & Solution form)	651	MTPM
Intermediate Product Details			
1.	Nil	0.0	

2. This consent to operate for Expansion is valid for operating the facility with the below mentioned permitted outlets for the discharge of sewage/trade effluent. Any change in the outlets and the quantity has to be brought to the notice of the Board and fresh consent has to be obtained.

Outlet No.	Description of Outlet	Maximum daily discharge in KLD	Point of disposal
Effluent Type : Sewage			
1.	Sewage	44.0	On land for gardening
Effluent Type : Trade Effluent			
1.	Trade Effluent-I (RO Permeate)	145.0	Recycling to process
2.	Trade effluent II (MEE Condensate)	18.5	Recycling to process
3.	Trade effluent III (ATFD Condensate)	0.5	Recycling to process
4.	Trade effluent IV (ATFD Concentrate)	0.5	Evaporated in ATFD and converted to salt

3. The effluent discharge shall not contain constituents in excess of the tolerance Limits as laid down hereunder.

Sl. No.	Parameters	Unit	TOLERANCE LIMITS - OUTLETS -Nos					
			Sewage			Trade Effluent		
			1		1	2	3	
1.	pH		5.5 to 9		5.5 to 9	5.5 to 9	5.5 to 9	
2.	Temperature	oC	-		shall not exceed 5°C above the receiving water temperature	shall not exceed 5°C above the receiving water temperature	shall not exceed 5°C above the receiving water temperature	
3.	Particle size of Suspended solids	-	-		shall pass 850 micron IS sieve	shall pass 850 micron IS sieve	shall pass 850 micron IS sieve	
4.	Total Suspended Solids	mg/l	30		100	100	100	
5.	Total Dissolved solids (Inorganic)	mg/l	-		2100	2100	2100	
6.	Oil & Grease	mg/l	-		10	10	10	
7.	Biochemical Oxygen Demand (3 days at 27oC)	mg/l	20		30	30	30	
8.	Chemical Oxygen Demand	mg/l	-		250	250	250	
9.	Chloride (as Cl)	mg/l	-		1000	1000	1000	
10.	Sulphates (as SO4)	mg/l	-		1000	1000	1000	
11.	Total Residual Chlorine	mg/l	-		1	1	1	
12.	Ammonical Nitrogen (as N)	mg/l	-		50	50	50	
13.	Total Kjeldahl Nitrogen (as N)	mg/l	-		100	100	100	
14.	Free Ammonia (as NH3)	mg/l	-		5	5	5	
15.	Arsenic (as As)	mg/l	-		0.2	0.2	0.2	
16.	Mercury (as Hg)	mg/l	-		0.01	0.01	0.01	
17.	Lead (as Pb)	mg/l	-		0.1	0.1	0.1	
18.	Cadmium(as Cd)	mg/l	-		2	2	2	
19.	Hexavalent Chromium (as Cr+6)	mg/l	-		0.1"	0.1"	0.1"	
20.	Total Chromium (as Cr)	mg/l	-		2	2	2	
21.	Copper (as Cu)	mg/l	-		3	3	3	
22.	Zinc (as Zn)	mg/l	-		1	1	1	
23.	Selenium (as Se)	mg/l	-		0.05	0.05	0.05	
24.	Nickel (as Ni)	mg/l	-		3	3	3	
25.	Boron (as B)	mg/l	-		2	2	2	
26.	Percent Sodium	%	-		-	-	-	
27.	Residual Sodium Carbonate	mg/l	-		-	-	-	
28.	Cyanide (as CN)	mg/l	-		0.2	0.2	0.2	
29.	Fluoride (as F)	mg/l	-		2	2	2	
30.	Dissolved Phosphates(as P)	mg/l	-		5	5	5	
31.	Sulphide (as S)	mg/l	-		2	2	2	
32.	Pesticides	mg/l	-					
33.	Phenolic Compounds (as C6H5OH)	mg/l	-		1	1	1	
34.	Radioactive materials a)	micro curie/ml	-		10-7	10-7	10-7	

35.	Radioactive materials b). Beta emitters	micro curie/ml	-	10-6	10-6	10-6
36.	Fecal Coliform	MPN/100ml	-	-	-	-

4. All units of the sewage and Trade effluent treatment plants shall be operated efficiently and continuously so as to achieve the standards prescribed in SI No.3 above or to achieve the zero liquid discharge of effluent as applicable.
5. The occupier shall maintain the Electro Magnetic Flow Meters/water Meters installed at the inlet of the water supply connection for each of the purposes mentioned below for assessing the quantity of water used and ensuring that such meters are easily accessible for inspection and maintenance and for other purposes of the Act.
 - a. Industrial Cooling, Spraying in mine pits or boiler feed.
 - b. Domestic purpose.
 - c. Process.
6. The occupier shall maintain the Electro Magnetic Flow Meters with computer recording arrangement for measuring the quantity of effluent generated and treated for the monitoring purposes of the Act.
7. Log book for each of the unit operations of ETP have to be maintained to reflect the working condition of ETP along with the readings of the Electro Magnetic Flow Meters installed to assess effluent quantity and the same shall be furnished for verification of the Board officials during inspection.
8. The occupier shall at his own cost get the samples of effluent/surface water/ground water collected in and around the unit by Board officials and analyzed by the TNPC Board Laboratory periodically.
9. Any upset condition in any of the plants of the factory which is, likely to result in increased effluent discharge and result in violation of the standards mentioned in SI. No.3 above shall be reported to the Member Secretary / Joint Chief Environmental Engineer-Monitoring and the concerned District/Assistant Environmental Engineer of the Board by e-mail immediately and subsequently by Post with full details of such upset condition.
10. The occupier shall always comply and carryout the order/directions issued by the Board in this Consent Order and from time to time without any negligence. The occupier shall be liable for action as per provisions of the Act in case of non compliance of any order/directions issued.
11. The occupier shall develop adequate width of green belt at the rate of 400 numbers of trees per Hectare.
12. The occupier shall provide and maintain rain water harvesting facilities.
13. The occupier shall ensure that there shall not be any discharge of effluent either treated or untreated into storm water drain at any point of time.
14. In the case of zero liquid discharge of effluent units, the occupier shall adhere the following conditions as laid under.
 - i). The occupier shall ensure zero liquid discharge of effluent, thereby no discharge of untreated / treated effluent on land or into any water bodies either inside or outside the premises at any point of time.
 - ii) The occupier shall operate and maintain the Zero liquid discharge treatment components comprising of Primary, Secondary and tertiary treatment systems at all times and ensure that the RO permeate/Evaporator condensate shall be recycled in the process and the final RO reject shall be disposed off with the reject management system ensuring zero liquid discharge of effluents in the premises.
 - iii) The occupier shall operate and maintain the reject management system effectively and recover the salt from the system which shall be reused in the process if reusable or shall be disposed off as ETP sludge.
 - iv) In case of failure to achieve zero discharge of effluents for any reason, the occupier shall stop its production and operations forthwith and shall be reported to the Member Secretary/Joint Chief Environmental Engineer-Monitoring and the concerned District/Assistant Environmental Engineer of the Board by e-mail immediately and subsequently by Post with full details of such upset condition.
 - v) The occupier shall restart the production only after ascertaining that the Zero discharge treatment system can perform effectively for achieving zero discharge of effluents.

Special Additional Conditions:

The unit shall obtain No Objection Certificate (NOC) from the Tamil Nadu Bio Diversity Board /National Bio Diversity Authority if the unit is using any Biological resources or knowledge associated thereto as per the provisions of Biological Diversity Act 2002.

The industries shall take all efforts to use and popularize "Mission LIFE" logo and mascot which is available in TNPCB & MoEFCC website. They shall also request their employees to adopt "Mission LIFE" action points and document the same and furnish half yearly report to Board.

Additional Conditions:

1. The unit shall comply with the conditions stipulated in the Environmental Clearance obtained for expansion activity vide Letter No. SEIAA/TN/ F 6495/5(f)/ EC60/2018 Dated: 24.04.2018 obtained from SEIAA, Chennai and Environmental Clearance obtained for expansion activity vide Letter No. IA-J- 11011/283/2021-IA II(D) dated 28.11.2022 obtained from MOEF & CC, New Delhi at all times.
2. The unit shall obtain EC amendment from MOEF & CC, New Delhi with respect to their actual quantity of recycling of treated wastewater before applying CTO of the Board for full-fledged production.
3. The unit shall operate and maintain the Zero Liquid Discharge System for the treatment and disposal of trade effluent generated from the unit.
4. The unit shall operate and maintain the Sewage Treatment Plant for the treatment of the sewage generated and the treated sewage shall be utilized for green belt development/gardening purposes inside the premises.
5. The unit shall operate and maintain the online pH and TDS meter provided in the storm water drains to ensure that no chemical contamination takes place during rains outside the premises at all the time.
6. The industry shall maintain and regularly calibrate the online sensors provided for the effluent parameters so as to transmit quality data to the WQW of TNPCB, Chennai without interruption.
7. The unit shall ensure that a rehearsal of the Offsite emergency plan is conducted at least once in calendar year.
8. All necessary precautions shall be taken to avoid accidents and action plan shall be prepared and implemented for avoiding accidents.
9. The unit shall prepare the onsite & offsite emergency plan as prescribed under the rules and guidelines issued in the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 and the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996 and obtain approval for the same from Directorate of Industrial Safety & Health (DISH/ District Collector/competent authority).
10. The unit shall conduct mock drill and safety audit as per Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 by a reputed agency and submit quarterly compliance report to the Board
11. The unit shall prepare and furnish proper flood management plan and monsoon preparedness plan to address the issues aroused during cyclones & floods
12. The unit shall phase out all underground tanks of raw material/product/oil etc.
13. The unit shall provide adequate drainage system throughout the premises to avoid flooding
14. The unit shall furnish the details of activities done through 'Corporate Social Responsibility' along with the amount spent and evidences every year.
15. The unit shall not increase the production without the valid consent of the Board.
16. In case of revision of consent fee by the Government, the unit shall remit the difference in amount within one month from the date of notification. Failing to remit the consent fee, this consent order will be withdrawn without any notice and further action will be initiated against the unit as per law.
17. The unit shall not use 'use and throwaway plastic' such as plastic sheets used for food wrapping, spreading on dining table etc., plastic plates, plastic coated tea cups, plastic tumbler, water pouches and packets, plastic straw, plastic carry bag and plastic flags irrespective of thickness, within the industry premises. Instead unit shall encourage use of eco friendly alternative such as banana leaf, arecanut palm plate, stainless steel, glass, porcelain plates / cups, cloth bag, jute bag etc.
18. The unit shall operate the plant without attracting complaints from the nearby public.

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For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai

GENERAL CONDITIONS

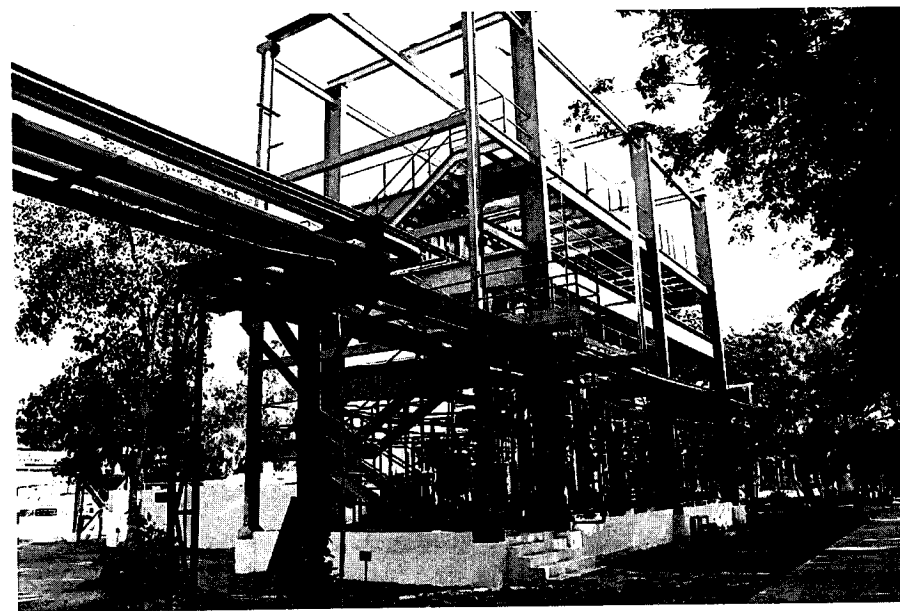
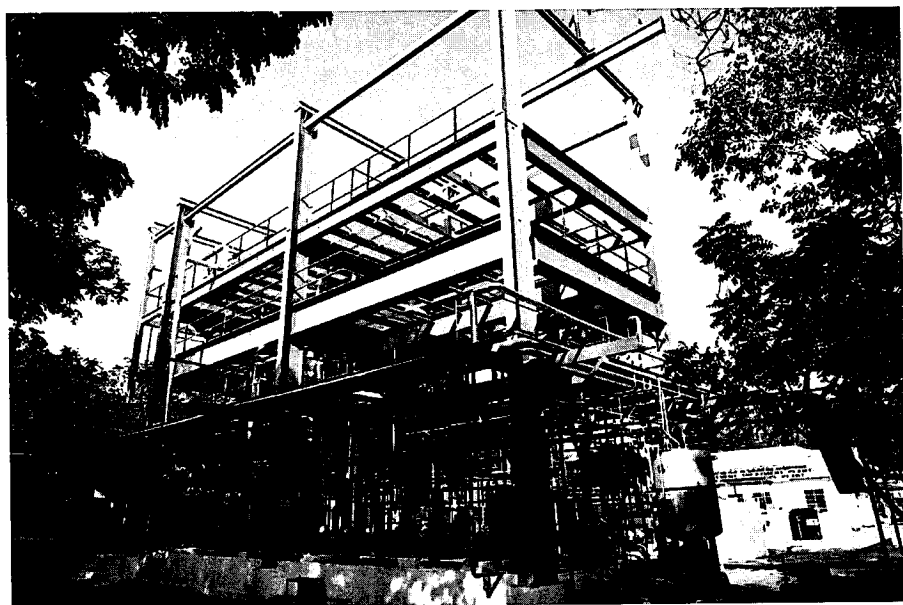
1. The occupier shall make an application along with the prescribed consent fee for grant of renewal of consent at least 60 days before the date of expiry of this Consent Order along with all the required particulars ensuring that there is no change in Production quantity and change in sewage/Trade effluent.
2. This Consent is issued by the Board in consideration of the particulars given in the application. Any change or alteration or deviation made in actual practice from the particulars furnished in the application will also be ground for review/variation/revocation of the Consent Order under Section 27 of the Act and to make such variation as deemed fit for the purpose of the Act.
3. The consent conditions imposed in this order shall continue in force until revoked under Section 27(2) of the Act.
4. After the issue of this order, all the 'Consent to Operate' orders issued previously under Water (Prevention and Control of Pollution) Act, 1974 as amended stands defunct.
5. The occupier shall maintain an Inspection Register in the factory so that the inspecting officer shall record the details of the observations and instructions issued to the unit at the time of inspection for adherence.
6. The occupier shall provide and maintain an alternate power supply along with separate energy meter for the Effluent Treatment Plant sufficient to ensure continuous operation of all pollution control equipments to maintain compliance.
7. The occupier shall provide all facilities to the Board officials for inspection and collection of samples in and around the factory at any time.
8. The occupier shall display the flow diagram of the sources of effluent generation and pollution control systems provided at the ETP site.
9. The solid waste such as sweepings, wastage, package, empty containers, residues, sludge including that from air pollution control equipments collected within the premises of the industrial plant shall be collected in an earmarked area and shall be disposed off properly.
10. The occupier shall collect, treat the solid wastes like food waste, green waste generated from the canteen and convert into organic compost.
11. The occupier shall segregate the Hazardous waste from other solid wastes and comply in accordance with Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008.
12. The occupier shall maintain good house-keeping within the factory premises.
13. All pipes, valves, sewers and drains shall be leak proof. Floor washings shall be admitted into the trade effluent collection system only and shall not be allowed to find their way in storm drains or open areas.
14. The occupier shall ensure that there shall not be any diversion or by-pass of trade effluent on land or into any water sources.
15. The occupier shall ensure that solar Evaporation pans shall be constructed in such a way that the bottom of the solar pan is at least 1 m above the Ground level (if applicable).
16. The occupier shall furnish the following returns in the prescribed formats to the concerned District office regularly.
 - a) Monthly water consumption returns of each of the purposes with water meter readings in Form-I on or before 5th of every month.
 - b) Yearly return on Hazardous wastes generated and accumulated for the period from 1st April to 31st March in Form-4 before the end of the subsequent 30th June of every year (if applicable).
 - c) Yearly Environmental Statement for the period from 1st April to 31st March in Form -V before the end of the subsequent 30th September of every year(if applicable).
17. If applicable, the occupier has to comply with the provisions of Public Liability Insurance Act, 1991 to provide immediate relief in the event of any hazard to human beings, other living creatures/plants and properties while handling and storage of hazardous substances.
18. The issuance of this consent does not authorize or approve the construction of any physical structures or facilities or the undertaking of any work in any natural watercourse or in Government Poromboke lands.
19. The issuance of this Consent does not convey any property right in either real personal property or any exclusive privileges, nor does it authorize any injury to private property or Government property or any invasion of personal rights nor any infringement of Central, State laws or regulation.

20. The occupier shall forth with keep the Board informed of any accident of unforeseen act or event of any poisonous, noxious or polluting matter or emissions are being discharged into stream or well or air as a result of such discharge, water or air is being polluted.
21. If due to any technological improvements or otherwise the Board is of opinion that all or any of the conditions referred to above requires variation (including the change of any treatment system, either in whole or in part) the Board shall, after giving the applicant an opportunity of being heard, vary all or any of such conditions and thereupon the applicant shall be bound to comply with the conditions as so varied.
22. In case there is any change in the constitution of the management, the occupier of the new management shall file fresh application under Water (Prevention and Control of Pollution) Act, 1974, as amended in Form-II alongwith relevant documents of change of management immediately and get the necessary amendment with renewal of consent order.
23. In case there is any change in the name of the company alone, the occupier shall inform the same with relevant documents immediately and get the necessary amendments for the change of name from the Board.
24. The occupier shall display this consent order granted to him in a prominent place for perusal of the inspecting Officers of this Board.

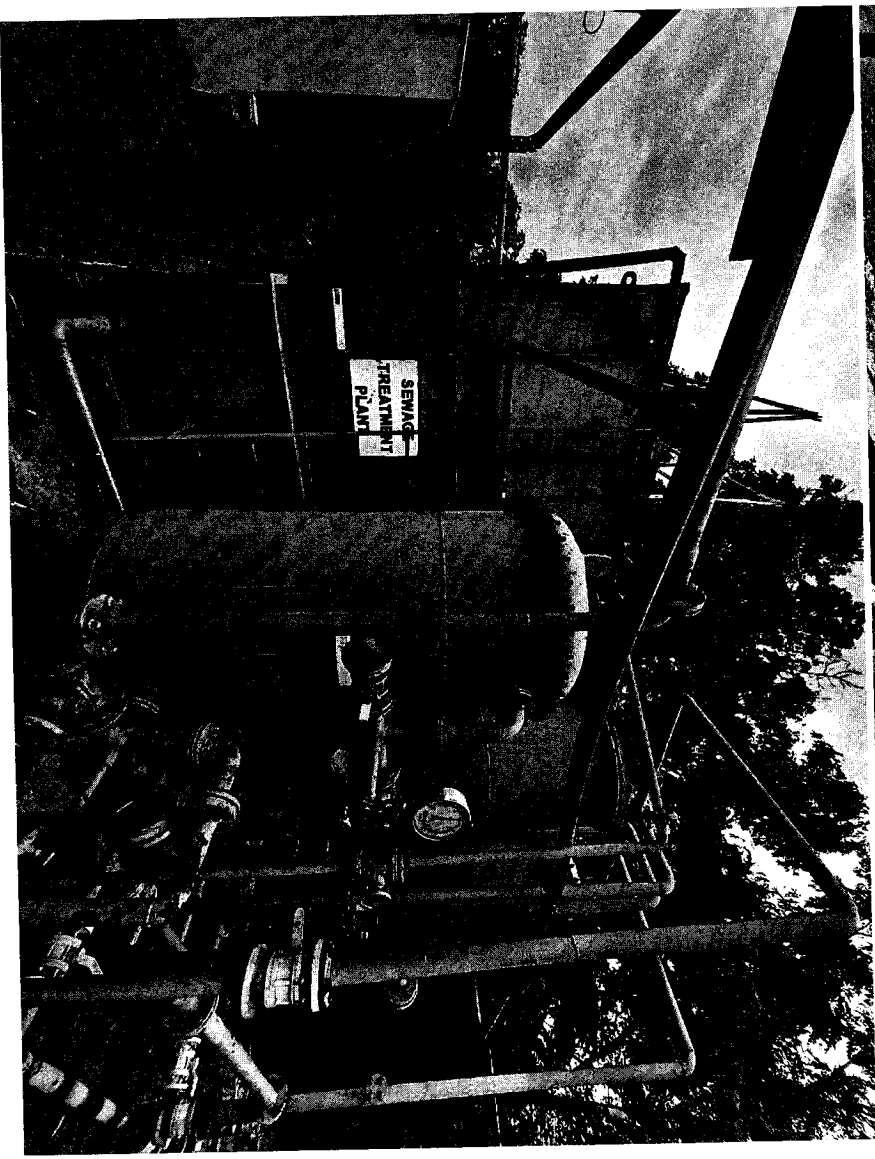
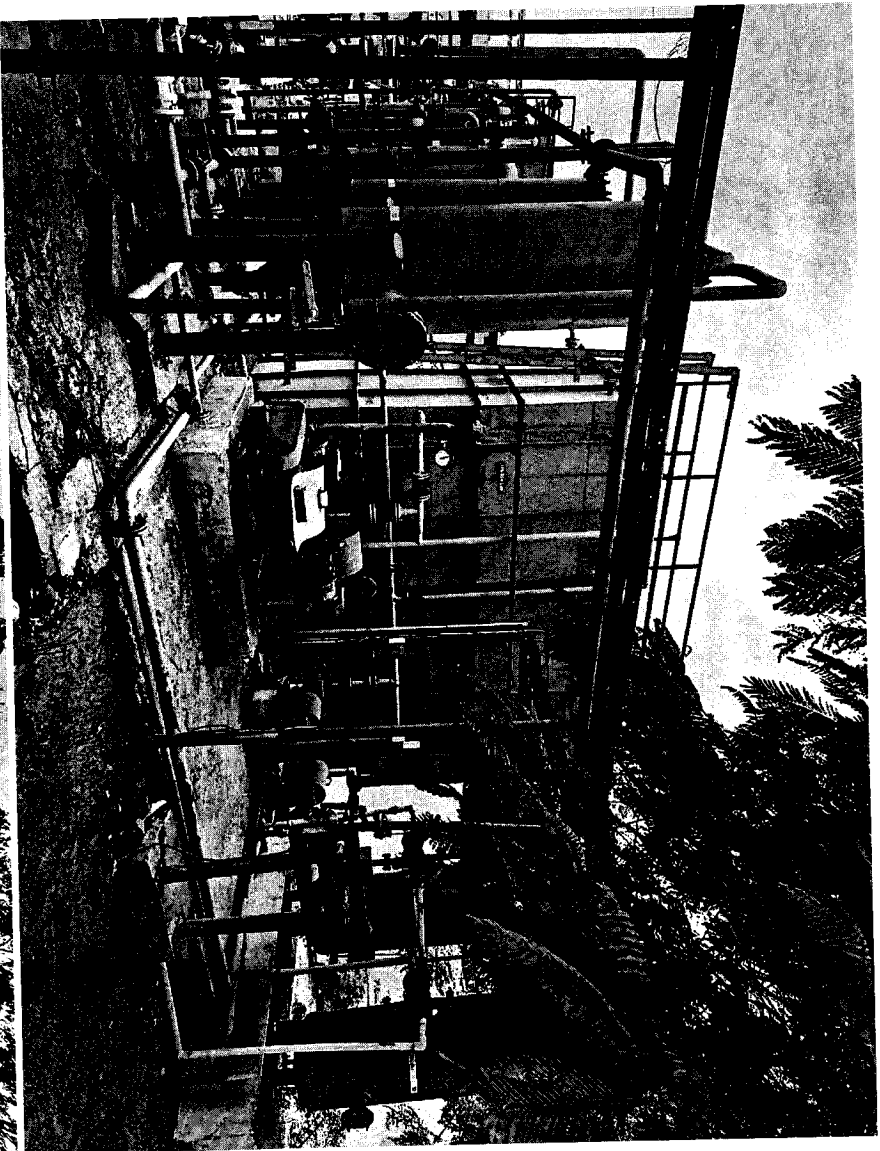
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For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai

Annexure 29 -ETP ZLD Photo



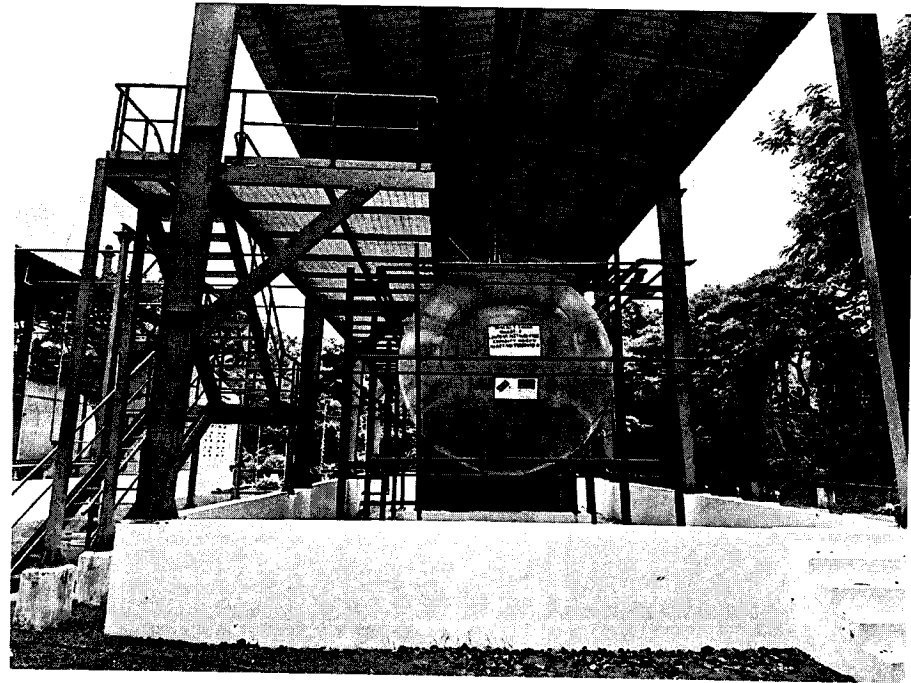
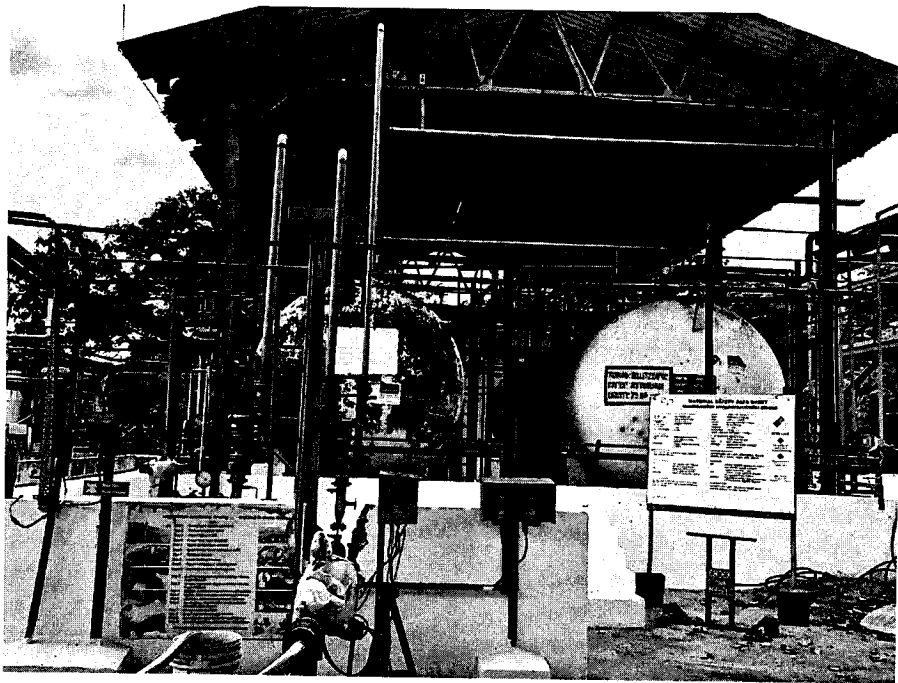
Annexure 30 - Sewage Treatment Plant



Annexure 31

Hazardous RM Storage







Annexure 32

ATFD Salt Register

ATFD SALT HAZARDOUS WASTES REGISTER					
DATE	OPENING STOCK IN KGS	GENERATION IN KGS	SENT TO STORAGE YARD	CLOSING STOCK IN KGS	STORAGE YARD INCHARGE SIGNATURE
01/7/2022	0	78	78	0	<i>[Signature]</i>
02/7/2022	0	59	59	0	<i>[Signature]</i>
03/7/2022	0	50	50	0	<i>[Signature]</i>
04/7/2022	0	123	123	0	<i>[Signature]</i>
05/7/2022	0	94	94	0	<i>[Signature]</i>
06/7/2022	0	75	75	0	<i>[Signature]</i>
07/7/2022	0	96	96	0	<i>[Signature]</i>
08/7/2022	0	45	45	0	<i>[Signature]</i>
09/7/2022	0	80	80	0	<i>[Signature]</i>
10/7/2022	0	83	83	0	<i>[Signature]</i>
11/7/2022	0	97	97	0	<i>[Signature]</i>
12/7/2022	0	76	76	0	<i>[Signature]</i>
13/7/2022	0	130	130	6	<i>[Signature]</i>
14/7/2022	0	92	92	0	<i>[Signature]</i>
15/7/2022	0	86	86	0	<i>[Signature]</i>
16/7/2022	0	84	84	0	<i>[Signature]</i>
17/7/2022	0	154	154	0	<i>[Signature]</i>
18/7/2022	0	0	0	0	<i>[Signature]</i>
19/7/2022	0	0	0	0	<i>[Signature]</i>
20/7/2022	0	0	0	0	<i>[Signature]</i>
21/7/2022	-0-	72	72	-0-	<i>Jhm</i>
22/7/2022	-0-	61	61	-0-	<i>Jhm</i>
23/7/2022	-0-	83	83	-0-	<i>Jhm</i>
24/7/2022	-0-	75	75	-0-	<i>Jhm</i>
25/7/2022	0	127	127	0	<i>[Signature]</i>
26/7/2022	0	92	92	0	<i>[Signature]</i>
27/7/2022	0	116	116	0	<i>[Signature]</i>
28/7/2022	0	96	96	0	<i>[Signature]</i>
29/7/2022	0	103	103	0	<i>[Signature]</i>
30/7/2022	0	75	75	0	<i>[Signature]</i>
31/7/2022	0	120	120	0	<i>[Signature]</i>

Remarks:

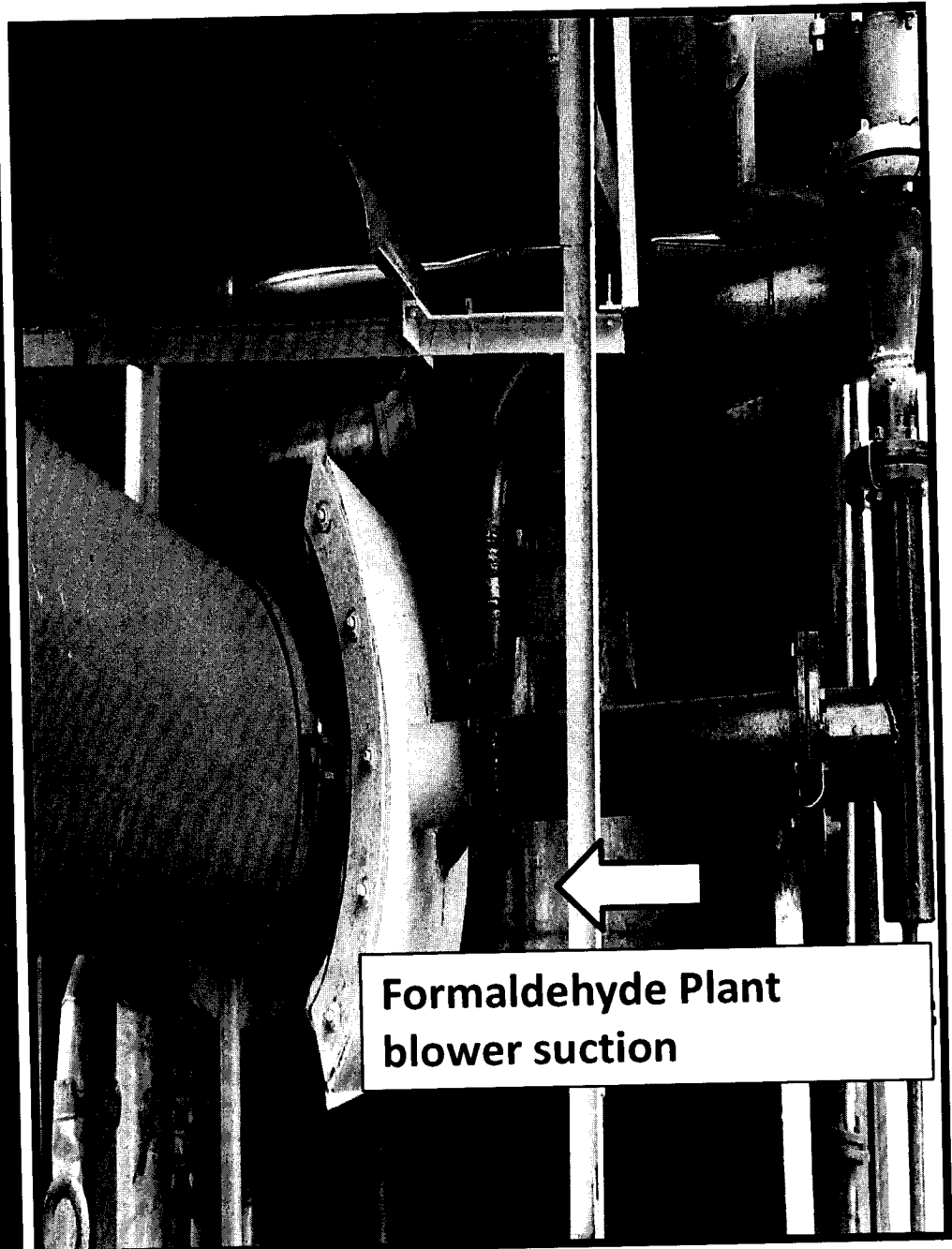
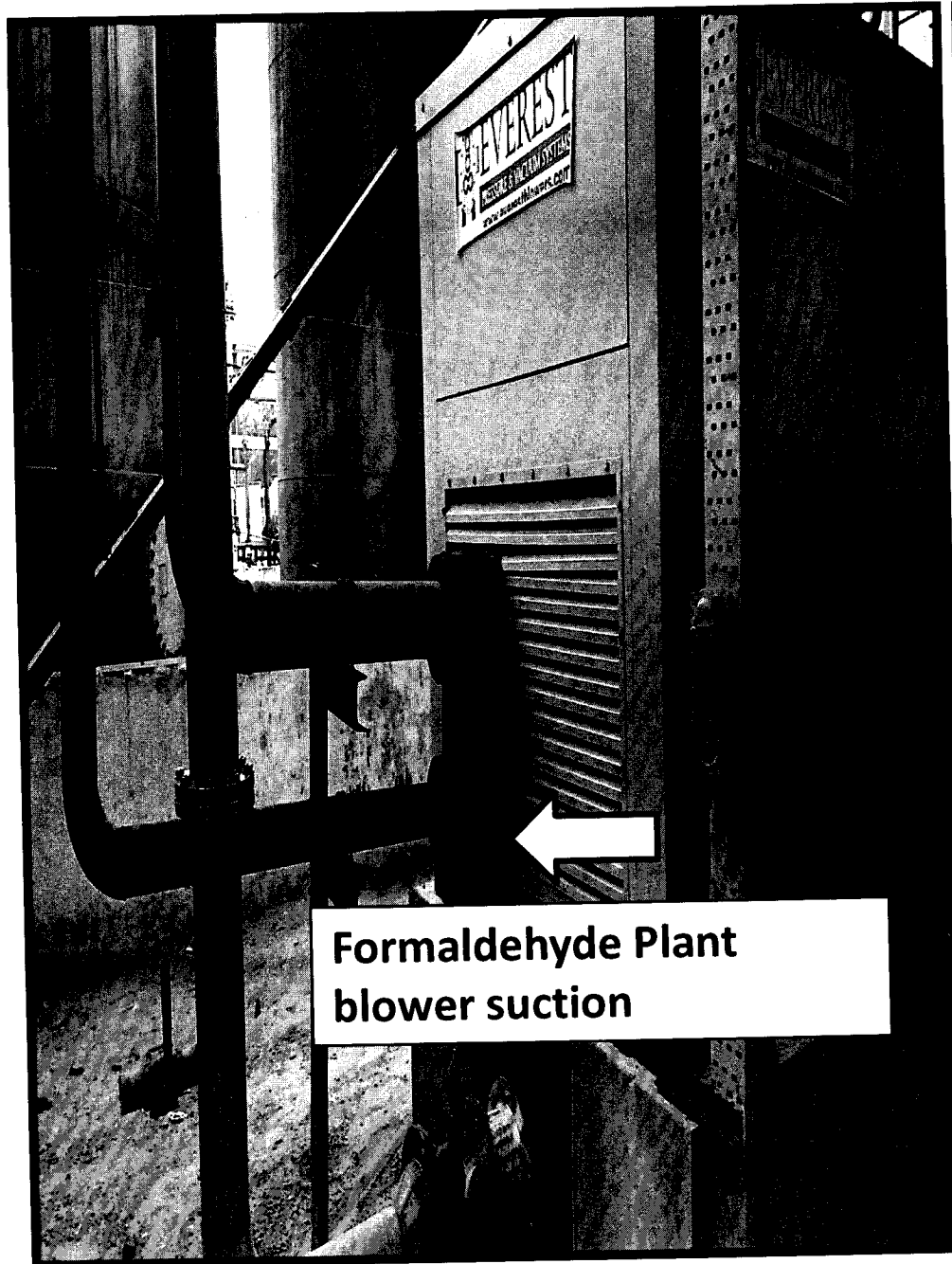
ATFD SALT HAZARDOUS WASTES REGISTER					
DATE	OPENING STOCK IN KGS	GENERATION IN KGS	SENT TO STORAGE YARD	CLOSING STOCK IN KGS	STORAGE YARD INCHARGE SIGNATURE
01/8/2023	0	126	126	0	<i>[Signature]</i>
02/8/2023	0	120	120	0	<i>[Signature]</i>
03/8/2023	0	91	91	0	<i>[Signature]</i>
04/8/2023	0	91	91	0	<i>[Signature]</i>
05/8/2023	0	46	46	0	<i>[Signature]</i>
06/8/2023	0	108	108	0	<i>[Signature]</i>
07/8/2023	0	105	105	0	<i>[Signature]</i>
08/8/2023	0	164	164	0	<i>[Signature]</i>
09/8/2023	0	43	43	0	<i>[Signature]</i>
10/8/2023	0	121	121	0	<i>[Signature]</i>
11/8/2023	0	84	84	0	<i>[Signature]</i>
12/8/2023	0	60	60	0	<i>C. Ann</i>
13/8/2023	0	59	59	0	<i>C. Ann</i>
14/8/2023	0	71	71	0	<i>C. Ann</i>
15/8/2023	0	86	86	0	<i>C. Ann</i>
16/8/2023	0	83	83	0	<i>C. Ann</i>
17/8/2023	0	115	115	0	<i>C. Ann</i>
18/8/2023	0	100	100	0	<i>C. Ann</i>
19/8/2023	0	103	103	0	<i>C. Ann</i>
20/8/2023	0	92	92	0	<i>C. Ann</i>
21/8/2023	0	104	104	0	<i>C. Ann</i>
22/8/2023	0	54	54	0	<i>C. Ann</i>
23/8/2023	0	60	60	0	<i>C. Ann</i>
24/8/2023	0	—	—	0	<i>C. Ann</i>
25/8/2023	0	—	—	0	<i>C. Ann</i>
26/8/2023	0	—	—	0	<i>C. Ann</i>
27/8/2023	0	—	—	0	<i>C. Ann</i>
28/8/2023	0	—	—	0	<i>C. Ann</i>
29/8/2023	0	—	—	0	<i>C. Ann</i>
30/8/2023	0	—	—	0	<i>C. Ann</i>
31/8/2023	0	—	—	0	<i>C. Ann</i>

Remarks:

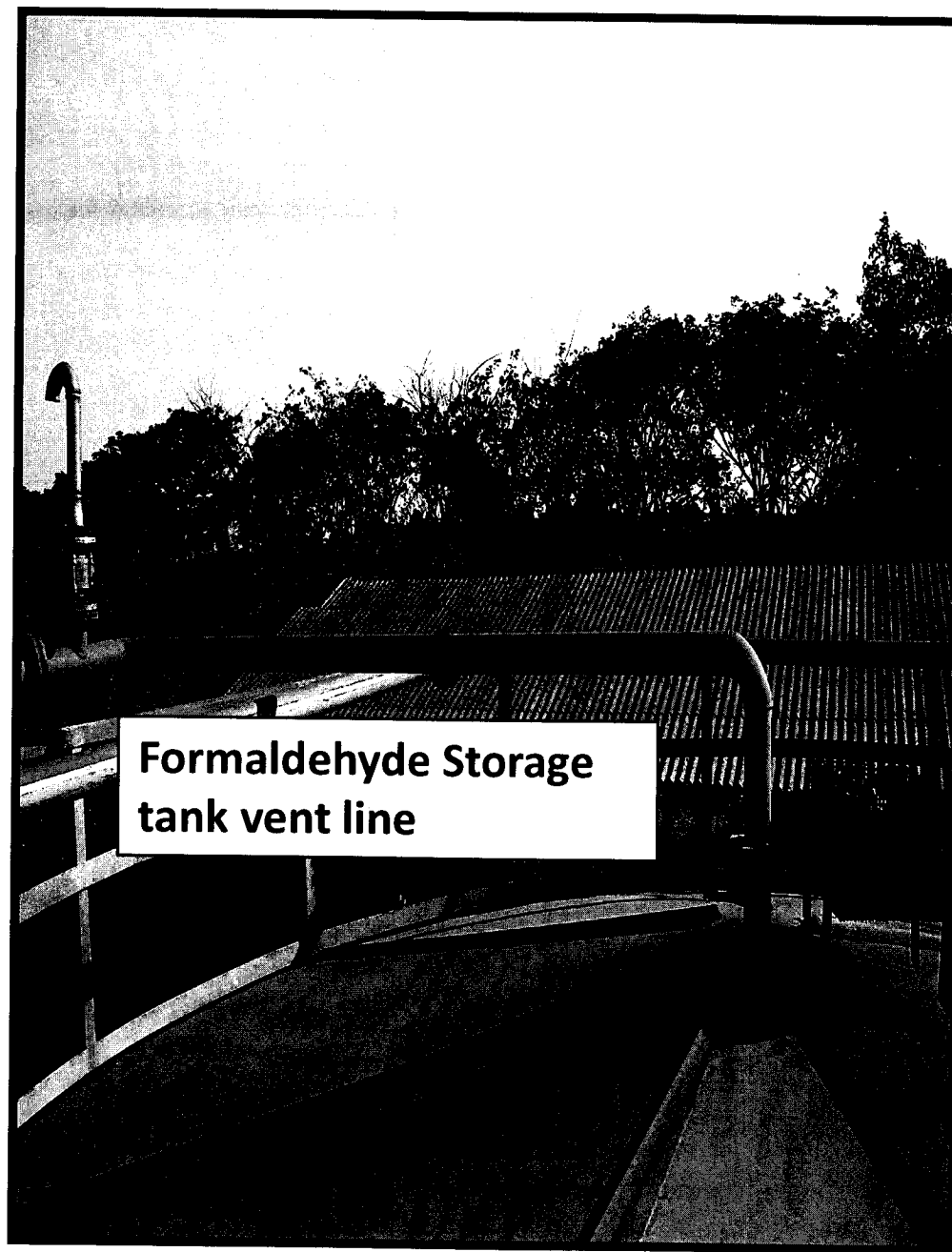
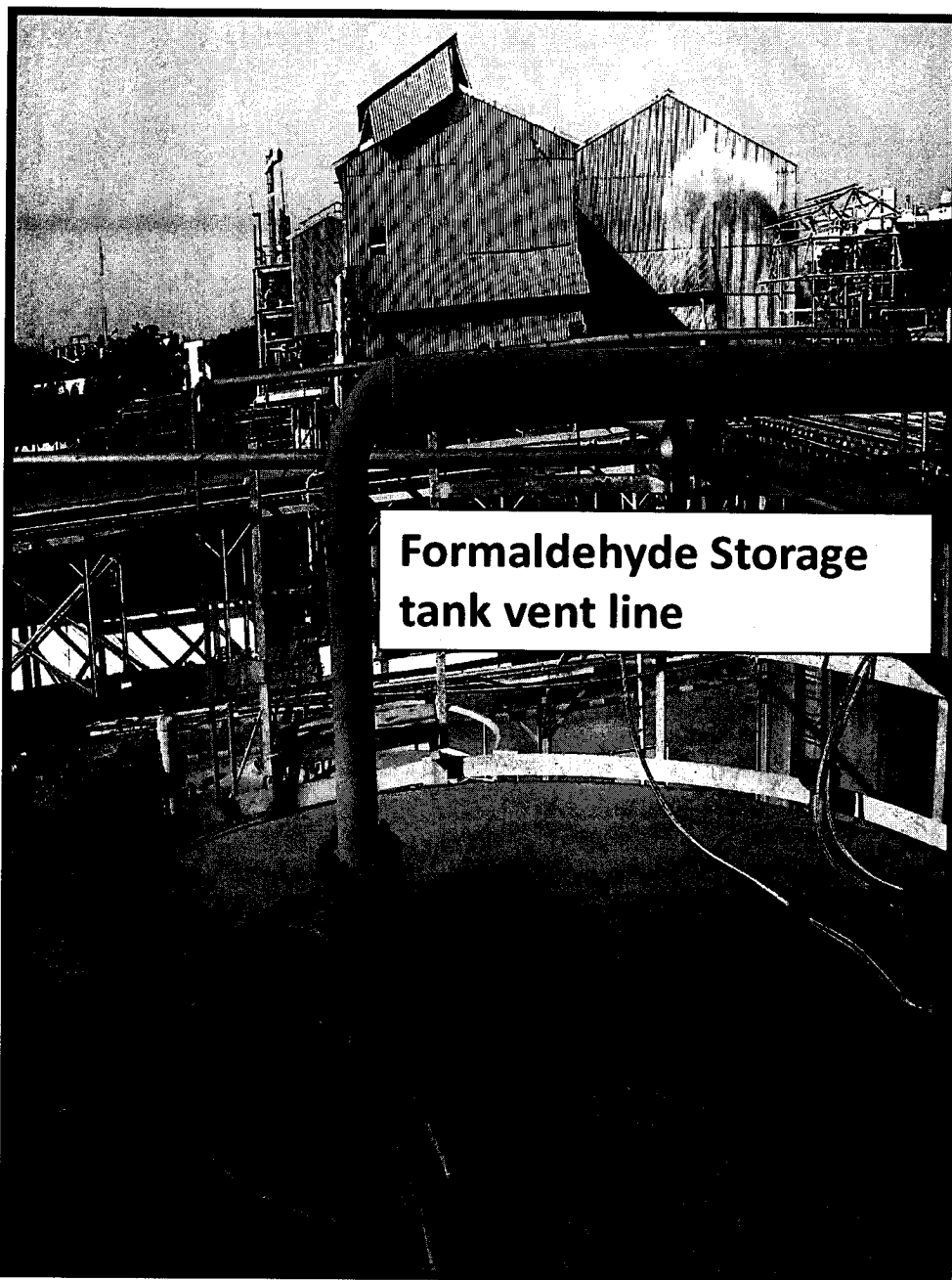
Annexure 33

Dust Extraction System

Storage tank vent line connected to the Formaldehyde plant blower



Storage tank vent line connected to the Formaldehyde plant blower



Annexure 34

MSDS Display

MSDS – Do's & Don't

Safe Operating Procedure- Unloading Chemical Tanker

UNLOADING PROCEDURE

Step 1: Ensure Spill arrestor provided

Step 2: Position the vehicle Safety

Step 3: Ensure Engine is OFF

Step 4: Ensure hand brake is applied

Step 5: Ensure Ignition Key is removed

Step 6: Ensure battery Circuit main switch is OFF

Step 7: Put Wheel Stopper

Step 8: Ensure Earthing of tanker

Step 9: Ensure tightness of unloading hose

Step 10: Use Personal Protective Equipment

Step 1: Allow tank to settle for 15 minutes before unloading

Step 2: Connect unloading hose to tank

Step 3: Check for leaks at all connections

Step 4: Start unloading pump

Step 5: Monitor unloading process

Step 6: Stop unloading if any leaks are detected

Step 7: Disconnect unloading hose

Step 8: Clean up any spills

Step 9: Report any incidents

Step 10: Complete unloading

Below activities shall be done in presence of Unloading operator

MATERIAL SAFETY DATA SHEET

UNLOADING PROCEDURE

NAME OF THE CHEMICAL : CAUSTIC LYE CONC. 48%

FORM : LIQUID

APPEARANCE : Colorless liquid

FLAMMABILITY : Non Flammable

HEALTH HAZARD : Causes irritation & damage to the eyes

SKIN : Causes severe damage and burns

INHALATION : Can cause severe burning to the

INGESTION : mouth, tongue, throat & stomach.

PREVENTIVE MEASURE : Avoid contact with liquid and vapour. Do not eat and drink in the presence of this chemical. Use safety hat, goggles, gloves, safety boots, and other protective clothing.

FIRST AID MEASURE : Flush with water at least 15 minutes. And seek medical help immediately. Remove the contaminated clothing & wash the affected area with water. Remove from exposure area to fresh air.

THE EXPOSURE MEDIA : Can be harmful if swallowed. Causes severe irritation to the eyes, nose, throat and skin. May cause severe burns if in contact with the skin.

Supplier :- Tamil Nadu Petro-product Ltd Chennai - Chemicals Division, Chennai - Tamil Nadu

Annexure 35

Hazardous Waste Record

FORM-1

DETAILS OF HAZARDOUS WASTE - GENERATION / STORAGE / DISPOSAL

Month	5.1. USED or SPENT OIL IN Ltrs	5.2. WASTES or RESIDUES CONTAINING OIL IN Ltrs	36.2.SPENT CARBON or FILTER MEDIUM Kgs	36.3. CHEMICAL SLUDGE FROM WASTE WATER TREATMENT Kgs			20.3 DISTILLATION RESIDUES kgs	20.4 PROCESS SLUDGE	20.2 SPENT SOLVENTS		35.2 SPENT ION EXCHANGE RESIN CONTAINING TOXIC METALS	33.1 EMPTY BARRELS/CONTAINERS/LINERS CONTAMINATED WITH HAZARDOUS CHEMICALS/WASTES	15.2 DISCARDED ASBESTOS
				ETP	ATFD	TOTAL							
Hazardous waste generation Details													
Opening Balance as on 01.04.2025	0	0	0	12107	22356	34463	0	0	0	0	0	0	0
Apr-25	0	0	0	21723	526	22249	24840	0	0	0	0	0	0
May-25	0	0	0	31930	1423	33353	46060	0	0	0	0	0	2420
Jun-25	0	0	0	25260	2192	27452	95770	16160	0	0	2360	1160	1700
Jul-25	0	0	2090	55580	2579	58159	0	0	0	0	0	0	0
Aug-25	0	0	0	0	2553	2553	180710	70630	0	0	0	0	0
Sep-25	0	0	0	30990	2299	33289	128910	0	0	0	0	0	0
Oct-25	0	0	0	17950	2989	20939	75230	0	0	0	0	0	0
Nov-25	0	0	0			0							
Dec-25						0							
Jan-26						0							
Feb-26						0							
Mar-26						0							
Total gen.for the year 2025-26	0	0	2090	183433	14561	197994	551520	86790	0	0	2360	1160	4120
Hazardous waste Disposal Details													
Apr-25	0	0	0	33830	0	33830	24840	0	0	0	0	0	0
May-25	0	0	0	31930	0	31930	46060	0	0	0	0	0	2420
Jun-25	0	0	0	25260	0	25260	95770	16160	0	0	2360	1160	1700
Jul-25	0	0	2090	55580	0	55580	0	0	0	0	0	0	0
Aug-25	0	0	0	0	0	0	180710	70630	0	0	0	0	0
Sep-25	0	0	0	30990	0	30990	128910	0	0	0	0	0	0
Oct-25	0	0	0	17950	0	17950	75230	0	0	0	0	0	0
Nov-25						0							
Dec-25						0							
Jan-26						0							
Feb-26						0							
Mar-26						0							
Total disposal for the year 2025-26	0	0	2090	195540	0	195540	551520	86790	0	0	2360	1160	4120
Closing stock as on 31.10.2025	0	0	0	0	36917	36917	0	0	0	0	0	0	0

Annexure 36

Hazardous Waste Storage Shed

அபாயகரமான கழிவுகள் சேமிப்பு இடங்க

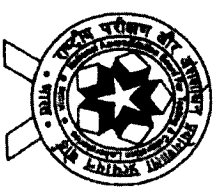
- > 5.1 மயங்கித்தம்பட்ட அல்லது வரவழித்த
செல்லம் (வீட்டில்)
- > 5.2 கழிவு செல்லம் (வீட்டில்)
- > 36.2 காய்ச்சல் வரவழித்தம்பட்ட (கேர)
- > 35.3 கழிவு நீர் கந்தகம் தவிர்த்தல் நகல்
கூப்பம்

Annexure 37

AAQ Analysis Report



SMS LABS SERVICES PRIVATE LIMITED



SMSLA

TEST REPORT

TC-6118

Page 1 of 1

U.R - TC611825000038757F
Report No : ENQ250812007-01

Report Date : 14 Aug 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005.
Sample Name : Ambient Air Quality Monitoring
Sampling Date & Time : 08 to 09 Aug 2025
10.50 am to 10.50 am

Sample Description : Ambient Air Quality Monitoring
Reference : Test Request Form Dated 08.08.2025
Sample Drawn By : Laboratory
Sample Location : Near Weigh Bridge(UP Wind)
Sampling Procedure : IS 5182
Relative Humidity : 54%

Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Results	Unit	Limit as per NAAQS Specification
Chemical					
1	Ammonia as NH ₃	IS 5182 (Part 25) - 2018 IS 5182 (Part 10) - 1999 (Reaffirmed 2019)	BLQ(LOQ:20.0) BLQ(LOQ:1.14)	µg/m ³ mg/m ³	400 Max 02 Max
2	Carbon Monoxide as CO (8hrs)	IS 5182 (Part 06) - 2006 (Reaffirmed 2022)	23.6	µg/m ³	80 Max
3	Nitrogen dioxide as NO ₂	IS 5182 (Part 09) - 1974 (Reaffirmed 2019)	BLQ(LOQ:20.0)	µg/m ³	180 Max
4	Ozone as O ₃	IS 5182 (Part 23) - 2006 (Reaffirmed 2022)	62.1	µg/m ³	100 Max
5	Particulate Matter (PM ₁₀)	IS 5182 (Part 24) - 2019	24.4	µg/m ³	60 Max
6	Particulate Matter (PM _{2.5})	IS 5182 (Part 02) - 2001 (Reaffirmed 2022)	10.5	µg/m ³	80 Max
7	Sulphur Dioxide as SO ₂				
Polycyclic Aromatic Hydrocarbons (PAHs)					
8	Benz(a)Pyrene (Particulate Phase)	SMSLA/GC/SOP/46 - 2024	BLQ(LOQ:0.050)	ng/m ³	01 Max
Trace Elements					
9	Arsenic	Compendium Method 10 - 3.4 - 1999	BLQ(LOQ:0.100)	ng/m ³	06 Max
10	Lead	Compendium Method 10 - 3.4 - 1999	BLQ(LOQ:0.001)	µg/m ³	1.0 Max
11	Nickel	Compendium Method 10 - 3.4 - 1999	BLQ(LOQ:0.100)	ng/m ³	20 Max
Volatile Organic Compounds-NAAQM					
12	Benzene	SMSLA/GC/SOP/43 - 2024	BLQ(LOQ:1.00)	µg/m ³	05 Max

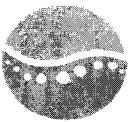
Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

Conclusion : The above tested Sample Conforms to the NAAQS Standards for the above tested Parameters.

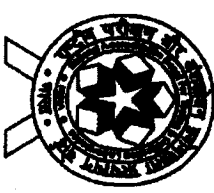
***** End of the Report *****/


M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: No 39/6, Pudukshettam, Thiruvallur High Road, Thirumazhisai Via, Poonamallee Tk, Thiruvallur, Chennai, Tamil Nadu, India
Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements, while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) w/ are said to be extracted.



SMS LABS SERVICES PRIVATE LIMITED



SMSLA

TEST REPORT

TC-6118

ULR - TC611825000038759F

Page 1 of 1

Report No : ENQ250812007-02

Report Date : 14 Aug 2025

Customer Name : M/s. Asian Paints Limited, (Penta Division)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005

Sample Name : Ambient Air Quality Monitoring

Sampling Date & Time : 08 to 09 Aug 2025
11.00 am to 11.00 am

Sample Description : Ambient Air Quality Monitoring

Sample Received on : 12 Aug 2025

Reference : Test Request Form Dated 08.08.2025

Test Started on : 12 Aug 2025

Sample Drawn By : Laboratory

Test Completed on : 14 Aug 2025

Sample Location : Near Coal Yard (Down Wind)

Sampling Procedure : IS 5182

Relative Humidity : 54%

Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Results	Unit	Limit as per NAAQS Specification
Chemical					
1	Ammonia as NH ₃	IS 5182 (Part 25) - 2018	BLQ(LOQ:20.0)	µg/m ³	400 Max
2	Carbon Monoxide as CO (8hrs)	IS 5182 (Part 10) - 1999 (Reaffirmed 2019)	BLQ(LOQ:1.14)	mg/m ³	02 Max
3	Nitrogen dioxide as NO ₂	IS 5182 (Part 06) - 2006 (Reaffirmed 2022)	22.9	µg/m ³	80 Max
4	Ozone as O ₃	IS 5182 (Part 09) - 1974 (Reaffirmed 2019)	BLQ(LOQ:20.0)	µg/m ³	180 Max
5	Particulate Matter (PM ₁₀)	IS 5182 (Part 23) - 2006 (Reaffirmed 2022)	60.9	µg/m ³	100 Max
6	Particulate Matter (PM _{2.5})	IS 5182 (Part 24) - 2019	25.9	µg/m ³	60 Max
7	Sulphur Dioxide as SO ₂	IS 5182 (Part 02) - 2001 (Reaffirmed 2022)	10.1	µg/m ³	80 Max
Polycyclic Aromatic Hydrocarbons (PAHs)					
8	Benzo(a)Pyrene (Particulate Phase)	SMSLA/GC/SOP/46 - 2024	BLQ(LOQ:0.050)	ng/m ³	01 Max
Trace Elements					
9	Arsenic	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.100)	ng/m ³	06 Max
10	Lead	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.001)	µg/m ³	1.0 Max
11	Nickel	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.100)	ng/m ³	20 Max
Volatile Organic Compounds-NAAQM					
12	Benzene	SMSLA/GC/SOP/43 - 2024	BLQ(LOQ:1.00)	µg/m ³	05 Max

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

Conclusion : The above tested Sample Conforms to the NAAQS Standards for the above tested Parameters.

/***** End of the Report *****/


M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: No 39/6, Paduchattaram, Thiruvallur High Road, Thirumadhurai Via, Ponnambali, Tk, Thiruvallur, Chennai, Tamil Nadu, India

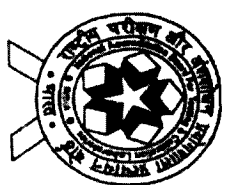
Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements, while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.



SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT



TC-6118

ULR - TC61182500039292F
Report No : ENQ250813026-01

Page 1 of 1
Report Date : 16 Aug 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : BS-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005.
Sample Name : Ambient Air Quality Monitoring
Sample Description : Ambient Air Quality Monitoring
Reference : Test Request Form Dated 11.08.2025
Sample Drawn By : Laboratory
Sample Location : Near Weigh Bridge (UP Wind)
Sampling Procedure : IS 5182
Relative Humidity : 64%
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Results	Unit	Limit as per NAAQS Specification
Chemical					
1	Ammonia as NH ₃	IS 5182 (Part 25) - 2018	BLQ(LOQ:20.0)	µg/m ³	400 Max
2	Carbon Monoxide as CO (8hrs)	IS 5182 (Part 10) - 1999 (Reaffirmed 2019)	BLQ(LOQ:1.14)	mg/m ³	02 Max
3	Nitrogen dioxide as NO ₂	IS 5182 (Part 06) - 2006 (Reaffirmed 2022)	21.6	µg/m ³	80 Max
4	Ozone as O ₃	IS 5182 (Part 09) - 1974 (Reaffirmed 2019)	BLQ(LOQ:20.0)	µg/m ³	180 Max
5	Particulate Matter (PM ₁₀)	IS 5182 (Part 23) - 2006 (Reaffirmed 2022)	58.9	µg/m ³	100 Max
6	Particulate Matter (PM _{2.5})	IS 5182 (Part 24) - 2019	27.5	µg/m ³	60 Max
7	Sulphur Dioxide as SO ₂	IS 5182 (Part 02) - 2001 (Reaffirmed 2022)	10.1	µg/m ³	80 Max
Polycyclic Aromatic Hydrocarbons (PAHs)					
8	Benzof(g)Pyrene (Particulate Phase)	SMSLA/GC/SOP/46 - 2024	BLQ(LOQ:0.050)	ng/m ³	01 Max
Trace Elements					
9	Arsenic	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.100)	ng/m ³	06 Max
10	Lead	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.001)	µg/m ³	1.0 Max
11	Nickel	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.100)	ng/m ³	20 Max
Volatile Organic Compounds-NAAQM					
12	Benzene	SMSLA/GC/SOP/43 - 2024	BLQ(LOQ:1.00)	µg/m ³	03 Max

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

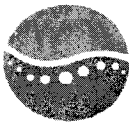
Conclusion : The above tested Sample Conforms to the NAAQS Standards for the above tested Parameters.

/***** End of the Report *****/

S.
S.Kanimozhi

Authorized Signatory-Chemical

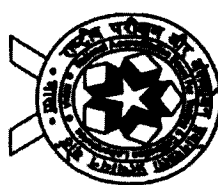
Laboratory Address: No 396, Pudukottai, Thiruvallur High Road, Thirumazhisai Vm, Ponnammallee Tk, Thiruvallur, Chennai, Tamil Nadu, India
Note : Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements, while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.



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SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

ULR - TC611825000039294F
Report No : ENQ250813026-02

Page 1 of 1
Report Date : 16 Aug 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005.
Sample Name : Ambient Air Quality Monitoring
Sampling Date & Time : 11 to 12 Aug 2025
10.40 am to 10.40 am
Sample Description : Ambient Air Quality Monitoring
Reference : Test Request Form Dated 12.08.2025
Sample Drawn By : Laboratory
Sample Location : Near Cool Yard (Down Wind)
Sampling Procedure : IS 5182
Relative Humidity : 64%
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Results	Unit	Limit as per NAAQS Specification
Chemical					
1	Ammonia as NH ₃	IS 5182 (Part 23) - 2018	BLQ(LOQ:20.0)	µg/m ³	400 Max
2	Carbon Monoxide as CO (8hrs)	IS 5182 (Part 10) - 1999 (Reaffirmed 2019)	BLQ(LOQ:1.14)	mg/m ³	02 Max
3	Nitrogen dioxide as NO ₂	IS 5182 (Part 06) - 2006 (Reaffirmed 2022)	22.1	µg/m ³	80 Max
4	Ozone as O ₃	IS 5182 (Part 09) - 1974 (Reaffirmed 2019)	BLQ(LOQ:20.0)	µg/m ³	180 Max
5	Particulate Matter (PM10)	IS 5182 (Part 23) - 2006 (Reaffirmed 2022)	60.2	µg/m ³	100 Max
6	Particulate Matter (PM _{2.5})	IS 5182 (Part 24) - 2019	28.7	µg/m ³	60 Max
7	Sulphur Dioxide as SO ₂	IS 5182 (Part 02) - 2001 (Reaffirmed 2022)	10.8	µg/m ³	80 Max
Polycyclic Aromatic Hydrocarbons (PAHs)					
8	Benz(a)Pyrene (Particulate Phase)	SMSLA/GC/SOP/46 - 2024	BLQ(LOQ:0.050)	ng/m ³	01 Max
Trace Elements					
9	Arsenic	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.100)	ng/m ³	06 Max
10	Lead	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.001)	µg/m ³	1.0 Max
11	Nickel	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.100)	ng/m ³	20 Max
Volatile Organic Compounds-NAAQM					
12	Benzene	SMSLA/GC/SOP/43 - 2024	BLQ(LOQ:1.00)	µg/m ³	05 Max

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.
Conclusion : The above tested Sample Conforms to the NAAQS Standards for the above tested Parameters.

/***** End of the Report *****/

S.Kanimozhi

Authorized Signatory-Chemical

Laboratory Address: No 39/6, Puduchattaram, Thiruvallur High Road, Thirumazhaie Via, Poomatturpete Tk, Thiruvallur, Chennai, Tamil Nadu, India

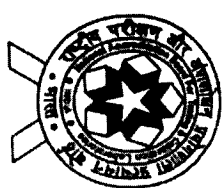
Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements, while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.



SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT



TC-6118

Page 1 of 1

ULR - TC611825000039699F

Report Date : 20 Aug 2025

Report No : ENQ250818006-01

Customer Name : M/s. ASIAN PAINTS LIMITED, (PENTA DIVISION)
Customer Address : B5 - B10, Sipcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.

Sample Name : Ambient Air Quality Monitoring
Sampling Date & Time : 13 to 14 Aug 2025
10.20 am to 10.20 am

Sample Description : Ambient Air Quality Monitoring
Reference : Test Request Form Dated 13.08.2025
Sample Received on : 18 Aug 2025
Test Started on : 18 Aug 2025
Test Completed on : 20 Aug 2025

Sample Drawn By : Laboratory
Sample Location : Near Weigh Bridge (Up Wind)

Sampling Procedure : IS 5182
Relative Humidity : 54%
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Results	Unit	Limit as per NAAQS Specification
Chemical					
1	Ammonia as NH ₃	IS 5182 (Part 25) - 2018	BLQ(LOQ:20.0)	µg/m ³	400 Max
2	Carbon Monoxide as CO (8hrs)	IS 5182 (Part 10) - 1999 (Reaffirmed 2019)	BLQ(LOQ:1.14)	mg/m ³	02 Max
3	Nitrogen dioxide as NO ₂	IS 5182 (Part 06) - 2006 (Reaffirmed 2022)	22.3	µg/m ³	80 Max
4	Ozone as O ₃	IS 5182 (Part 09) - 1974 (Reaffirmed 2019)	BLQ(LOQ:20.0)	µg/m ³	180 Max
5	Particulate Matter (PM10)	IS 5182 (Part 23) - 2006 (Reaffirmed 2022)	59.5	µg/m ³	100 Max
6	Particulate Matter (PM2.5)	IS 5182 (Part 24) - 2019	28.9	µg/m ³	60 Max
7	Sulphur Dioxide as SO ₂	IS 5182 (Part 02) - 2001 (Reaffirmed 2022)	10.5	µg/m ³	80 Max
Polycyclic Aromatic Hydrocarbons (PAHs)					
8	Benz(a)Pyrene (Particulate Phase)	SMSLA/GC/SOP/46 - 2024	BLQ(LOQ:0.050)	ng/m ³	01 Max
Trace Elements					
9	Arsenic	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.100)	ng/m ³	06 Max
10	Lead	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.001)	µg/m ³	1.0 Max
11	Nickel	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.100)	ng/m ³	20 Max
Volatile Organic Compounds-NAAQM					
12	Benzene	SMSLA/GC/SOP/43 - 2024	BLQ(LOQ:1.00)	µg/m ³	05 Max

Note : BLQ : Below Limit of Quantification (LOQ) : Limit of Quantification.

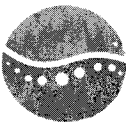
Conclusion : The above tested Sample Conforms to the NAAQS Standards for the above tested Parameters.

/***** End of the Report *****/

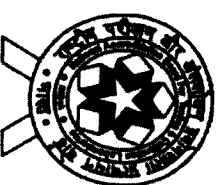
M.S.

M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: No 39 b, Puthuchattam, Thiruvallur High Road, Thirumathanam Via, Poonamallee Tk, Thiruvallur, Chennai, Tamil Nadu, India
Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements, while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.



SMS LABS SERVICES PRIVATE LIMITED



SMSLA

TEST REPORT

URLR - TC611825000039702F
Report No : ENO250818006-02

TC-6118
Page 1 of 1
Report Date : 20 Aug 2025

Customer Name : M/s. ASIAN PAINTS LIMITED. (PENTA DIVISION)
Customer Address : B5 - B10, Sipcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.
Sample Name : Ambient Air Quality Monitoring
Sampling Date & Time : 13 to 14 Aug 2025
10.30 am to 10.30 am
Sample Description : Ambient Air Quality Monitoring
Reference : Test Request Form Dated 13.08.2025
Sample Received on : 18 Aug 2025
Sample Drawn By : Laboratory
Test Started on : 18 Aug 2025
Sample Location : Near Coal Yard (Down Wind)
Test Completed on : 20 Aug 2025
Sampling Procedure : IS 5182
Relative Humidity : 54%
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Results	Unit	Limit as per NAAQS Specification
Chemical					
1	Ammonia as NH3	IS 5182 (Part 25) - 2018	BLQ(LOQ:20.0)	µg/m3	400 Max
2	Carbon Monoxide as CO (8hrs)	IS 5182 (Part 10) - 1999 (Reaffirmed 2019)	BLQ(LOQ:1.14)	mg/m³	02 Max
3	Nitrogen dioxide as NO2	IS 5182 (Part 06) - 2006 (Reaffirmed 2022)	23.4	µg/m3	80 Max
4	Ozone as O3	IS 5182 (Part 09) - 1974 (Reaffirmed 2019)	BLQ(LOQ:20.0)	µg/m3	180 Max
5	Particulate Matter (PM10)	IS 5182 (Part 23) - 2006 (Reaffirmed 2022)	62.3	µg/m3	100 Max
6	Particulate Matter (PM2.5)	IS 5182 (Part 24) - 2019	30.1	µg/m3	60 Max
7	Sulphur Dioxide as SO2	IS 5182 (Part 02) - 2001 (Reaffirmed 2022)	11.2	µg/m3	80 Max
Polycyclic Aromatic Hydrocarbons (PAHs)					
8	Benzo(a)Pyrene (Particulate Phase)	SMSLA/GC/SOP/46 - 2024	BLQ(LOQ:0.0250)	ng/m³	01 Max
Trace Elements					
9	Arsenic	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.100)	ng/m3	06 Max
10	Lead	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.001)	µg/m3	1.0 Max
11	Nickel	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.100)	ng/m3	20 Max
Volatile Organic Compounds-NAAQM					
12	Benzene	SMSLA/GC/SOP/43 - 2024	BLQ(LOQ:1.00)	µg/m³	05 Max

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.
Conclusion : The above tested Sample Conforms to the NAAQS Standards for the above tested Parameters.

/***** End of the Report *****/

M.R
I

M. Sarathkumar
Authorized Signatory-Chemical

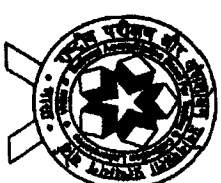
Laboratory Address: No 39/6, Pudukottaiam, Thiruvallur High Road, Thirumathiasa Vm, Poommalloor TL, Thiruvallur, Chennai, Tamil Nadu, India
Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements, while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.



SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT



TC-6118

Page 1 of 1

ULR - TC611825000040456F
Report No : ENO250821011-01

Report Date : 23 Aug 2025

Customer Name : M/s. ASIAN PAINTS LIMITED. (PENTA DIVISION)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore - 607005.

Sample Name : Ambient Air Quality Monitoring
Sampling Date & Time : 19 to 20 Aug 2025
10.00 am to 10.00 am

Sample Description : Ambient Air Quality Monitoring
Reference : Test Request Form Dated 19.08.2025
Sample Received on : 21 Aug 2025
Sample Drawn By : Laboratory
Test Started on : 21 Aug 2025
Sample Location : Near Weigh Bridge (Up Wind)
Test Completed on : 23 Aug 2025
Sampling Procedure : IS 5182

Relative Humidity : 54%
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Results	Unit	Limit as per NAAQS Specification
Chemical					
1	Ammonia as NH ₃	IS 5182 (Part 25) - 2018	BLQ(LOQ:20.0)	µg/m ³	400 Max
2	Carbon Monoxide as CO (8hrs)	IS 5182 (Part 10) - 1999 (Reaffirmed 2019)	BLQ(LOQ:1.14)	mg/m ³	02 Max
3	Nitrogen dioxide as NO ₂	IS 5182 (Part 06) - 2006 (Reaffirmed 2022)	22.6	µg/m ³	80 Max
4	Ozone as O ₃	IS 5182 (Part 09) - 1974 (Reaffirmed 2019)	BLQ(LOQ:20.0)	µg/m ³	180 Max
5	Particulate Matter (PM10)	IS 5182 (Part 23) - 2006 (Reaffirmed 2022)	60.3	µg/m ³	100 Max
6	Particulate Matter (PM2.5)	IS 5182 (Part 24) - 2019	28.9	µg/m ³	60 Max
7	Sulphur Dioxide as SO ₂	IS 5182 (Part 02) - 2001 (Reaffirmed 2022)	10.2	µg/m ³	80 Max
Polycyclic Aromatic Hydrocarbons (PAHs)					
8	Benzo(a)Pyrene (Particulate Phase)	SMSLA/GC/SOP/46 - 2024	BLQ(LOQ:0.050)	ng/m ³	01 Max
Trace Elements					
9	Arsenic	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.100)	ng/m ³	06 Max
10	Lead	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.001)	µg/m ³	1.0 Max
11	Nickel	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.100)	ng/m ³	20 Max
Volatile Organic Compounds-NAAQM					
12	Benzene	SMSLA/GC/SOP/43 - 2024	BLQ(LOQ:1.00)	µg/m ³	05 Max

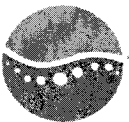
Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

Conclusion : The above tested Sample Conforms to the NAAQS Standards for the above tested Parameters.

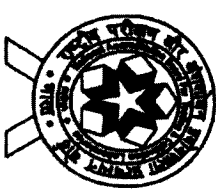
/***** End of the Report *****/

N.S.
M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: No 39/6, Pudukottanatham, Thiruvallur High Road, Thirunethiagal, Vile, Poonamallee Tk, Thiruvallur, Chennai, Tamil Nadu, India
Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements, while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.



SMS LABS SERVICES PRIVATE LIMITED



SMSLA

TEST REPORT

ULR - TC611825000040459F
Report No : ENO250821011-02

TC-6118
Page 1 of 1
Report Date : 23 Aug 2025

Customer Name : M/s. ASIAN PAINTS LIMITED, (PENTA DIVISION)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore - 607005.
Sample Name : Ambient Air Quality Monitoring
Sampling Date & Time : 19 to 20 Aug 2025
10.10 am to 10.10 am
Sample Description : Ambient Air Quality Monitoring
Reference : Test Request Form Dated 19.08.2025
Sample Drawn By : Laboratory
Test Started on : 21 Aug 2025
Sample Location : Near Coal Yard (Down Wind)
Test Completed on : 23 Aug 2025
Sampling Procedure : IS 5182
Relative Humidity : 54%
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Results	Unit	Limit as per NAAQS Specification
Chemical					
1	Ammonia as NH3	IS 5182 (Part 25) - 2018	BLQ(LOQ:20.0)	µg/m ³	400 Max
2	Carbon Monoxide as CO (8hrs)	IS 5182 (Part 10) - 1999 (Reaffirmed 2019)	BLQ(LOQ:1.14)	mg/m ³	02 Max
3	Nitrogen dioxide as NO2	IS 5182 (Part 06) - 2006 (Reaffirmed 2022)	23.9	µg/m ³	80 Max
4	Ozone as O3	IS 5182 (Part 09) - 1974 (Reaffirmed 2019)	BLQ(LOQ:20.0)	µg/m ³	180 Max
5	Particulate Matter (PM10)	IS 5182 (Part 23) - 2006 (Reaffirmed 2022)	62.5	µg/m ³	100 Max
6	Particulate Matter (PM2.5)	IS 5182 (Part 24) - 2019	30.2	µg/m ³	60 Max
7	Sulphur Dioxide as SO2	IS 5182 (Part 02) - 2001 (Reaffirmed 2022)	10.7	µg/m ³	80 Max
Polycyclic Aromatic Hydrocarbons (PAHs)					
8	Benzo(a)Pyrene (Particulate Phase)	SMSLA/GC/SOP/46 - 2024	BLQ(LOQ:0.050)	ng/m ³	01 Max
Trace Elements					
9	Arsenic	Compendium Method 10 - 3.4 - 1999	BLQ(LOQ:0.100)	ng/m ³	06 Max
10	Lead	Compendium Method 10 - 3.4 - 1999	BLQ(LOQ:0.001)	µg/m ³	1.0 Max
11	Nickel	Compendium Method 10 - 3.4 - 1999	BLQ(LOQ:0.100)	ng/m ³	20 Max
Volatile Organic Compounds-NAAQM					
12	Benzene	SMSLA/GC/SOP/43 - 2024	BLQ(LOQ:1.00)	µg/m ³	05 Max

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

Conclusion : The above tested Sample Conforms to the NAAQS Standards for the above tested Parameters.

/***** End of the Report *****/

M.S.
M. Sarathkumar

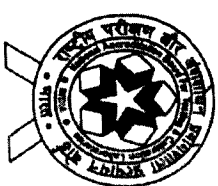
Authorized Signatory-Chemical

Laboratory Address: No 39/6, Pudukottai, Thiruvallur High Road, Thirumathi Vii, Poonamallee Tk, Thiruvallur, Chennai, Tamil Nadu, India

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TEST REPORT

TC-6118

Page 1 of 1

ULR - TC61182500041154F

Report Date : 28 Aug 2025

Report No : ENQ250825023-01

Customer Name : M/s. Asian Paints Limited. (Penta Division)

Sampling Date & Time : 22 to 23 Aug 2025

Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005.
Sampling Date & Time : 22 to 23 Aug 2025
01.40 pm to 01.40 pm

Sample Name

: Ambient Air Quality Monitoring

Sample Description

: Ambient Air Quality Monitoring

Reference : Test Request Form Dated 23.08.2025

Sample Received on : 25 Aug 2025
Test Started on : 25 Aug 2025
Test Completed on : 28 Aug 2025

Sample Drawn By

: Laboratory

Sample Location

: Near Weigh Bridge(UP Wind)

Sampling Procedure

: IS 5182

Relative Humidity

: 54%

Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Results	Unit	Limit as per NAAQS Specification
Chemical					
1	Ammonia as NH ₃	IS 5182 (Part 25) - 2018	BLQ(LOQ:20.0)	µg/m ³	400 Max
2	Carbon Monoxide as CO (8hrs)	IS 5182 (Part 10) - 1999 (Reaffirmed 2019)	BLQ(LOQ:1.14)	mg/m ³	02 Max
3	Nitrogen dioxide as NO ₂	IS 5182 (Part 06) - 2006 (Reaffirmed 2022)	22.7	µg/m ³	80 Max
4	Ozone as O ₃	IS 5182 (Part 09) - 1974 (Reaffirmed 2019)	BLQ(LOQ:20.0)	µg/m ³	180 Max
5	Particulate Matter (PM ₁₀)	IS 5182 (Part 23) - 2006 (Reaffirmed 2022)	60.3	µg/m ³	100 Max
6	Particulate Matter (PM _{2.5})	IS 5182 (Part 24) - 2019	28.9	µg/m ³	60 Max
7	Sulphur Dioxide as SO ₂	IS 5182 (Part 02) - 2001 (Reaffirmed 2022)	10.2	µg/m ³	80 Max
Polycyclic Aromatic Hydrocarbons (PAHs)					
8	Benzo(a)Pyrene (Particulate Phase)	SMSLA/GC/SOP/46 - 2024	BLQ(LOQ:0.050)	ng/m ³	01 Max
Trace Elements					
9	Arsenic	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.100)	ng/m ³	06 Max
10	Lead	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.001)	µg/m ³	1.0 Max
11	Nickel	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.100)	ng/m ³	20 Max
Volatile Organic Compounds-NAAQN					
12	Benzene	SMSLA/GC/SOP/43 - 2024	BLQ(LOQ:1.00)	µg/m ³	05 Max

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

Conclusion : The above tested Sample Conforms to the NAAQS Standards for the above tested Parameters.

/***** End of the Report *****/

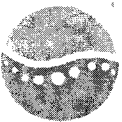
M.S

M. Sarathkumar

Authorized Signatory-Chemical

Laboratory Address No 39/6, Pudukkottai, Thiruvallur High Road, Thirumazhisai Via, Poonamallee Tk, Thiruvallur, Chennai, Tamil Nadu, India

Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements, while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted



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TEST REPORT



TC-6118

ULR - TC611825000041154F
Report No : ENQ250825023-02

Page 1 of 1
Report Date: 28 Aug 2025

Customer Name : M/s. Asian Palms Limited. (Penta Division)
Customer Address : B5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005
Sample Name : Ambient Air Quality Monitoring
Sample Description : Ambient Air Quality Monitoring
Reference : Test Request Form Dated 23.08.2025
Sample Drawn By : Laboratory
Sample Location : Near Coal Yard (Down Wind)
Sampling Procedure : IS 5182
Relative Humidity : 54%
Sampling Date & Time : 22 to 23 Aug 2025
01.50 pm to 01.50 pm
Sample Received on : 25 Aug 2025
Test Started on : 25 Aug 2025
Test Completed on : 28 Aug 2025
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Results	Unit	Limit as per NAAQS Specification
Chemical					
1	Ammonia as NH ₃	IS 5182 (Part 25) - 2018	BLQ(LOQ:20.0)	µg/m ³	400 Max
2	Carbon Monoxide as CO (8hrs)	IS 5182 (Part 10) - 1999 (Reaffirmed 2019)	BLQ(LOQ:1.14)	mg/m ³	02 Max
3	Nitrogen dioxide as NO ₂	IS 5182 (Part 06) - 2006 (Reaffirmed 2022)	23.4	µg/m ³	80 Max
4	Ozone as O ₃	IS 5182 (Part 09) - 1974 (Reaffirmed 2019)	BLQ(LOQ:20.0)	µg/m ³	180 Max
5	Particulate Matter (PM ₁₀)	IS 5182 (Part 23) - 2006 (Reaffirmed 2022)	61.5	µg/m ³	100 Max
6	Particulate Matter (PM _{2.5})	IS 5182 (Part 24) - 2019	30.1	µg/m ³	60 Max
7	Sulphur Dioxide as SO ₂	IS 5182 (Part 02) - 2001 (Reaffirmed 2022)	10.6	µg/m ³	80 Max
Polycyclic Aromatic Hydrocarbons (PAHs)					
8	Benzo(a)Pyrene (Particulate Phase)	SMSLA/GC/SOP/46 - 2024	BLQ(LOQ:0.050)	ng/m ³	01 Max
Trace Elements					
9	Arsenic	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.100)	ng/m ³	06 Max
10	Lead	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.001)	µg/m ³	1.0 Max
11	Nickel	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.100)	ng/m ³	20 Max
Volatile Organic Compounds-NAAQM					
12	Benzene	SMSLA/GC/SOP/43 - 2024	BLQ(LOQ:1.00)	µg/m ³	05 Max

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

Conclusion : The above tested Sample Conforms to the NAAQS Standards for the above tested Parameters.

***** End of the Report *****

M.O.
M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: No 39/6, Puthuchatram, Thiruvallur High Road, Thirumazhaisi Vii, Poonamallee Tk, Thiruvallur, Chennai, Tamil Nadu, India

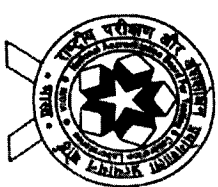
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TEST REPORT



TC-6118

ULR - TC611825000041548F
Report No : ENO250828005-01

Page 1 of 1
Report Date : 30 Aug 2025

Customer Name : M/s. ASIAN PAINTS LIMITED. (PENTA DIVISION)
Customer Address : B5 - B10, Sipcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.
Sample Name : Ambient Air Quality Monitoring
Sample Description : Ambient Air Quality Monitoring
Reference : Test Request Form Dated 25.08.2025
Sample Drawn By : Laboratory
Sample Location : Near Weigh Bridge (Up Wind)
Sampling Procedure : IS 5182
Relative Humidity : 54%
Sampling Date & Time : 25 to 26 Aug 2025
10.40 am to 10.40 am
Sample Received on : 28 Aug 2025
Test Started on : 28 Aug 2025
Test Completed on : 30 Aug 2025
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Results	Unit	Limit as per NAAQS Specification
Chemical					
1	Ammonia as NH ₃	IS 5182 (Part 25) - 2018	BLQ(LOQ:20.0)	µg/m ³	400 Max
2	Carbon Monoxide as CO (8hrs)	IS 5182 (Part 10) - 1999 (Reaffirmed 2019)	BLQ(LOQ:1.14)	mg/m ³	02 Max
3	Nitrogen dioxide as NO ₂	IS 5182 (Part 06) - 2006 (Reaffirmed 2022)	21.9	µg/m ³	80 Max
4	Ozone as O ₃	IS 5182 (Part 09) - 1974 (Reaffirmed 2019)	BLQ(LOQ:20.0)	µg/m ³	180 Max
5	Particulate Matter (PM10)	IS 5182 (Part 23) - 2006 (Reaffirmed 2022)	61.3	µg/m ³	100 Max
6	Particulate Matter (PM2.5)	IS 5182 (Part 24) - 2019	28.9	µg/m ³	60 Max
7	Sulphur Dioxide as SO ₂	IS 5182 (Part 02) - 2001 (Reaffirmed 2022)	10.4	µg/m ³	80 Max
Polycyclic Aromatic Hydrocarbons (PAHs)					
8	Benzo(a)Pyrene (Particulate Phase)	SMSLA/GC/SOP/46 - 2024	BLQ(LOQ:0.050)	ng/m ³	01 Max
Trace Elements					
9	Arsenic	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.100)	ng/m ³	06 Max
10	Lead	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.001)	µg/m ³	1.0 Max
11	Nickel	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.100)	ng/m ³	20 Max
Volatile Organic Compounds-NAAQM					
12	Benzene	SMSLA/GC/SOP/43 - 2024	BLQ(LOQ:1.00)	µg/m ³	05 Max

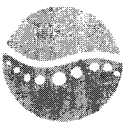
Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

Conclusion : The above tested Sample Conforms to the NAAQS Standards for the above tested Parameters.

/***** End of the Report *****/

M
M. Sarathkumar
Authorized Signatory-Chemical

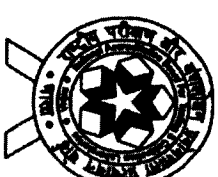
Laboratory Address: No 39/6, Pudukottai, Thiruvallur High Road, Thirumangaludi Vta, Poonamallee Tk, Thiruvallur, Chennai, Tamil Nadu, India
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SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT



TC-6118

ULR - TC611825000041550F
Report No : ENO250828005-02

Page 1 of 1
Report Date : 30 Aug 2025

Customer Name : M/s. ASIAN PAINTS LIMITED. (PENTA DIVISION)
Customer Address : B5 - B10, Sipcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.
Sample Name : Ambient Air Quality Monitoring
Sample Description : Ambient Air Quality Monitoring
Reference : Test Request Form Dated 25.08.2025
Sample Drawn By : Laboratory
Sample Location : Near Coal Yard (Down Wind)
Sampling Procedure : IS 5182
Relative Humidity : 54%
Sampling Date & Time : 25 to 26 Aug 2025
10.50 am to 10.50 am
Sample Received on : 28 Aug 2025
Test Started on : 28 Aug 2025
Test Completed on : 30 Aug 2025
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Results	Unit	Limit as per NAAQS Specification
Chemical					
1	Ammonia as NH3	IS 5182 (Part 25) - 2018	BLQ(LOQ:20.0)	µg/m ³	400 Max
2	Carbon Monoxide as CO (8hrs)	IS 5182 (Part 10) - 1999 (Reaffirmed 2019)	BLQ(LOQ:1.14)	mg/m ³	02 Max
3	Nitrogen dioxide as NO2	IS 5182 (Part 06) - 2006 (Reaffirmed 2022)	22.3	µg/m ³	80 Max
4	Ozone as O3	IS 5182 (Part 09) - 1974 (Reaffirmed 2019)	BLQ(LOQ:20.0)	µg/m ³	180 Max
5	Particulate Matter (PM10)	IS 5182 (Part 23) - 2006 (Reaffirmed 2022)	62.7	µg/m ³	100 Max
6	Particulate Matter (PM2.5)	IS 5182 (Part 24) - 2019	29.5	µg/m ³	60 Max
7	Sulphur Dioxide as SO2	IS 5182 (Part 02) - 2001 (Reaffirmed 2022)	10.9	µg/m ³	80 Max
Polycyclic Aromatic Hydrocarbons (PAHs)					
8	Benz(a)Pyrene (Particulate Phase)	SMSLA/GC/SOP/46 - 2024	BLQ(LOQ:0.050)	ng/m ³	01 Max
Trace Elements					
9	Arsenic	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.100)	ng/m ³	06 Max
10	Lead	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.001)	µg/m ³	1.0 Max
11	Nickel	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.100)	ng/m ³	20 Max
Volatile Organic Compounds-NAAQM					
12	Benzene	SMSLA/GC/SOP/43 - 2024	BLQ(LOQ:1.00)	µg/m ³	05 Max

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

Conclusion : The above tested Sample Conforms to the NAAQS Standards for the above tested Parameters.

/***** End of the Report *****/

M E

M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: No 39/6, Puduchattaram, Thiruvallur High Road, Thirumathurai Vva, Pannamallee Tk, Thiruvallur, Chennai, Tamil Nadu, India
Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable treatment samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements, while perishable and environmental residual samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.

Annexure 38

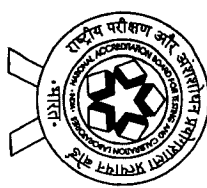
Noise Monitoring Report



SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT



TC-6118

Page 1 of 1

Report Date : 17 May 2025

ULR - TC611825000023935F

Report No : ENQ250514001-12

Customer Name : M/s. ASIAN PAINTS LIMITED, (PENTA DIVISION)

Customer Address : B5 - B10, Sipcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.

Sample Name : Ambient Noise Level Monitoring (Day) Sampling Date : 13 May 2025

Sample Description : Ambient Noise Level Monitoring (Day) Sample Received on : 14 May 2025

Reference : Test Request Form Dated 12.05.2025 Test Started on : 15 May 2025

Sample Drawn By : Laboratory Test Completed on : 17 May 2025

Sampling Procedure : IS 9989

TEST RESULTS

Sl. No	Location	Noise Level dB (A)		CPCB Standards (Industrial Area) For Noise in Leq dB (A)
		Day Time	Day Limit	
1	Near Northern Side Compound Wall	58.0	75 dB (A)	
2	Near East Side Compound Wall	57.1		
3	Near North East Side Compound Wall	60.9		
4	Near ETP	60.1		
5	Near Southern Side Compound Wall	57.9		
6	Near Main Gate	62.0		
7	Near Western Side Compound Wall	58.8		
8	Near Vehicle Shed	55.1		
9	Near Old Gate	58.9		
10	Near South East Compound Wall	56.8		

Conclusion : The above tested Sample Conforms to the CPCB Standards for the above tested Locations.

/***** End of the Report *****/

M. Sarathkumar

Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Pudukkottai Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

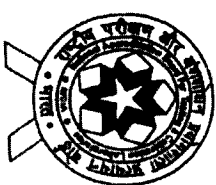
Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements; while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.



SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT



TC-6118

Page 1 of 1

ULR - TC61182500040995F

Report No : ENQ250825024-01

Report Date : 26 Aug 2025

Customer Name : M/s. Asian Paints Limited. (Penta Division)
Customer Address : B-5-B10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore-607005.
Sample Name : Ambient Noise Level Monitoring (Day & Night)
Sample Description : Ambient Noise Level Monitoring (Day & Night)
Reference : Test Request Form Dated 23.08.2025
Sample Drawn By : Laboratory
Sampling Procedure : IS 9989

TEST RESULTS

Sampling Date : 23 Aug 2025
Sample Received on : 25 Aug 2025
Test Started on : 25 Aug 2025
Test Completed on : 25 Aug 2025

Sl. No	Location	Noise Level dB (A)		CPCB Standards (Industrial Area) For Noise In Leq dB (A)	
		Day Time	Night Time	Day Limit	Night Limit
1	Near Northern Side Compound Wall	61.0	59.9	75 dB (A)	70 dB (A)
2	Near East Side Compound Wall	62.6	68.2		
3	Near North East Side Compound Wall	65.7	67.3		
4	Near ETP	66.8	64.6		
5	Near Southern Side Compound Wall	54.5	56.9		
6	Main Gate	61.0	64.1	75 dB (A)	70 dB (A)
7	Near Western Side Compound Wall	55.0	55.3		
8	Near Vehicle Shed	53.4	46.7		
9	Near Old Gate	58.0	49.0		
10	Near South East Compound Wall	60.2	58.8		

Conclusion : The above tested Sample Conforms to the CPCB Standards for the above tested Locations.

/***** End of the Report *****/

N.C.
M. Sarathkumar
Authorized Signatory-Chemical

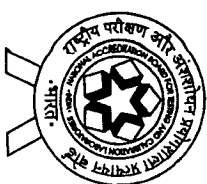
Laboratory Address: No 39/6, Pudukkottai, Thiruvallur High Road, Thirumazhisai Via, Poommalai TK, Thiruvallur, Chennai, Tamil Nadu, India
Note Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Permissible remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements; while permissible and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.

Annexure 39

Water Quality Report



SMS LABS SERVICES PRIVATE LIMITED



SMSLA

TEST REPORT

TC-6118

Page 1 of 2

Report Date : 01 Jul 2025

ULR - TC611825000030768F
Report No : ENO250627006-06

Customer Name : M/s. ASIAN PAINTS LIMITED. (PENTA DIVISION)
Customer Address : B5 - B10, Sipcot Industrial Complex, Kudikadu Village, Cuddalore - 607005.
Sample Name : RO Drinking Water
Sample Description : RO Drinking Water
Reference : Test Request Form Dated 26.06.2025
Sample Drawn By : Laboratory
Sample Location : Canteen
Sample Procedure : SMSLA/EN/SOP/001 & SMSLA/MB/SOP/06
TEST RESULTS
Sample Quantity : 5 Lit x 1 No
Sampling Date : 26 Jun 2025
Sample Received on : 27 Jun 2025
Test Started on : 27 Jun 2025
Test Completed on : 01 Jul 2025

S.NO	Parameter	Test Method	Unit	Results	Requirements as per IS 10500-2012-Amd:4	
					Acceptable Limit	Permissible Limit in the absence of alternative source
Biological						
1	<i>Escherichia coli</i>	IS 15185 - 2016 (Reaffirmed 2021)	Per 100mL	Absent	Absent/100mL	Absent/100mL
2	Total Coliforms	IS 15185 - 2016 (Reaffirmed 2021)	Per 100mL	Absent	Absent/100mL	Absent/100mL
Clause 4, Table 1 Organoleptic And Physical parameters						
3	Colour	IS 3025 (Part 04) - 2021	Hazen	Less than 1.0	5.0 Max	15.0 Max
4	Odour	IS 3025 (Part 05) - 2018	--	Agreeable	Agreeable	Agreeable
5	pH at 25°C	IS 3025 (Part 11) - 2022	--	6.69	6.5 - 8.5	No Relaxation
6	Taste	IS 3025 (Part 08) - 2023	--	Agreeable	Agreeable	Agreeable
7	Total Dissolved Solids @ 180°C	IS 3025 (Part 16) - 2023	mg/L	26	500.0 Max	2000.0 Max
8	Turbidity	IS 3025 (Part 10) -2023	NTU	Less than 0.1	1.0 Max	5.0 Max
Clause 4, Table 2 General Parameters Concerning Substances Undesirable In Excessive Amounts						
9	Aluminium	IS 3025 (Part 65) - 2025	mg/L	BLQ(LOQ:0.001)	0.03 Max	0.2 Max
10	Ammonia as Total Ammonia-N	IS 3025 (Part 34) - 1988 (Reaffirmed 2019)	mg/L	BLQ(LOQ:0.03)	0.5 Max	No Relaxation
11	Anionic detergents as MBAS	IS 3025 (Part 68) - 2019	mg/L	BLQ(LOQ:0.05)	0.2 Max	1.0 Max
12	Barium	IS 3025 (Part 65) - 2025	mg/L	BLQ(LOQ:0.001)	0.7 Max	No Relaxation
13	Boron	IS 3025 (Part 65) - 2025	mg/L	BLQ(LOQ:0.025)	0.5 Max	2.4 Max
14	Calcium as Ca	IS 3025 (Part 40) - 2024	mg/L	2.7	75.0 Max	200.0 Max
15	Chloramines as Cl2	APHA 24th Edition 4500 Cl G - 2023	mg/L	BLQ(LOQ:1.0)	4.0 Max	No Relaxation
16	Chloride as Cl	IS 3025 (Part 32) - 1988 (Reaffirmed 2019)	mg/L	6.5	250.0 Max	1000.0 Max
17	Copper	IS 3025 (Part 65) - 2025	mg/L	BLQ(LOQ:0.001)	0.05 Max	1.5 Max

S. Durgabai
S. Durgabai
Authorized Signatory-Biological

M.S. I
M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Pudukkottai Post, Thirumazhisai Via, Poomanallee Taluk, Chennai - 600124.

Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements, while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.



SMS LABS SERVICES PRIVATE LIMITED

SMSLA

TEST REPORT



TC-6118

ULR - TC61182500030768F

Page 2 of 2

Report No : ENO250627006-06

Report Date : 01 Jul 2025

S.NO	Parameter	Test Method	Unit	Results	Requirements as per	
					IS 10500-2012-Amd:4	Permissible Limit in the absence of alternative source
18	Fluoride as F	IS 3025 (Part 60) - 2008 (Reaffirmed 2019)	mg/L	BLQ(LOQ:0.1)	1.0 Max	1.5 Max
19	Free Residual Chlorine	IS 3025 (Part 26) - 2021	mg/L	BLQ(LOQ:0.1)	0.2 Min	1.0 Min
20	Iron as Fe	IS 3025 (Part 53) - 2024	mg/L	BLQ(LOQ:0.05)	1.0 Max	No Relaxation
21	Magnesium as Mg	IS 3025 (Part 46) - 2023	mg/L	BLQ(LOQ:1.0)	30.0 Max	100.0 Max
22	Manganese	IS 3025 (Part 65) - 2025	mg/L	BLQ(LOQ:0.001)	0.1 Max	0.3 Max
23	Mineral Oil	IS 3025 (Part 39) - 2021	mg/L	BLQ(LOQ:1.0)	1.0 Max	No Relaxation
24	Nitrate as NO3	APHA 24th Edition 4500 NO3 B - 2023	mg/L	BLQ(LOQ:1.0)	45.0 Max	No Relaxation
25	Phenolic Compound as C6H5OH	IS 3025 (Part 43) Sec 1 - 2022	mg/L	BLQ(LOQ:0.001)	0.001 Max	0.002 Max
26	Selenium	IS 3025 (Part 65) - 2025	mg/L	BLQ(LOQ:0.001)	0.01 Max	No Relaxation
27	Silver	IS 3025 (Part 65) - 2025	mg/L	BLQ(LOQ:0.001)	0.1 Max	No Relaxation
28	Sulphate as SO4	IS 3025 (Part 24) Sec 1 - 2022	mg/L	BLQ(LOQ:1.0)	200.0 Max	400.0 Max
29	Sulphide as H2S	IS 3025 (Part 29) - 2022	mg/L	BLQ(LOQ:0.04)	0.05 Max	No Relaxation
30	Total Alkalinity as CaCO3	IS 3025 (Part 23) - 2023	mg/L	15	200.0 Max	600.0 Max
31	Total Hardness as CaCO3	IS 3025 (Part 21) - 2009 (Reaffirmed 2019)	mg/L	9.6	200.0 Max	600.0 Max
32	Zinc	IS 3025 (Part 65) - 2025	mg/L	BLQ(LOQ:0.001)	5.0 Max	15.0 Max

Clause 4, Table 3 Parameters Concerning Toxic Substances

33	Cadmium	IS 3025 (Part 65) - 2025	mg/L	BLQ(LOQ:0.001)	0.003 Max	No Relaxation
34	Cyanide as CN	IS 3025 (Part 27) - 1986 (Reaffirmed 2019)	mg/L	BLQ(LOQ:0.01)	0.05 Max	No Relaxation
35	Lead	IS 3025 (Part 65) - 2025	mg/L	BLQ(LOQ:0.001)	0.01 Max	No Relaxation
36	Mercury	EPA 200.8 - 1994	mg/L	BLQ(LOQ:0.0005)	0.001 Max	No Relaxation
37	Molybdenum	IS 3025 (Part 65) - 2025	mg/L	BLQ(LOQ:0.001)	0.07 Max	No Relaxation
38	Nickel	IS 3025 (Part 65) - 2025	mg/L	BLQ(LOQ:0.001)	0.02 Max	No Relaxation
39	Total Arsenic	IS 3025 (Part 65) - 2025	mg/L	BLQ(LOQ:0.001)	0.01 Max	No Relaxation
40	Total Chromium	IS 3025 (Part 65) - 2025	mg/L	BLQ(LOQ:0.001)	0.05 Max	No Relaxation
41	Uranium	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.001)	0.03 Max	No Relaxation

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification, NTU : Nephelometric Turbidity Units.

Free Residual Chlorine Limit to be Applicable only for Chlorinated Water.

Remarks : The RO Drinking Water Sample Conforms to the Requirements of Acceptable Limits as per IS 10500:2012 : Amd : 4 for the Parameters tested above.

/***** End of the Report *****/

M.S.

M. Sarathkumar

Authorized Signatory-Chemical

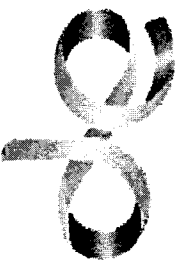
Laboratory Address: 39/6, Thiruvallur High Road, Pudukkottai Post, Thirumadurai Vra, Poonamallee Taluk, Chennai - 600124.

Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements, while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.

Annexure 40

Risk Management Plan

On Site Emergency Plan & Off Site Emergency Guidelines 2022



asianpaints

**Asian Paints Limited (Penta Division)
B5-B10, SIPCOT Industrial Complex
Kudikadu Village, Cuddalore
Tamilnadu - 607005**

**PROCEEDINGS OF THE DIRECTOR OF INDUSTRIAL SAFETY AND HEALTH (FAC)
CHENNAI**

PRESENT: THIRU.K.JAGATHESAN, M.E.,

ABSTRACT

The Factories Act 1948 and the Tamil Nadu Factories Rules 1950 – The Tamil Nadu Control of Industrial Major Accident Hazardous Chemicals Rules 1989 - On Site Emergency Plan of **Asian Paints Limited (Penta Division), B-5 to B-10 Sipcot Industrial Complex, Kudikadu Village, Cuddalore-607 005 (CDR00674)** – Recorded.

R.Dis H2/6106/2022

Dated:01.07.2022

Read: Letter received from the Management Dated: 09.03.2022

ORDER:

The Management of **Asian Paints Limited (Penta Division), B-5 to B-10 Sipcot Industrial Complex, Kudikadu Village, Cuddalore-607 005 (CDR00674)** has prepared an 'On-Site Emergency preparedness plan' pertaining to their factory and submitted to this office.

Taking into consideration of the information furnished by the management in the 'On-Site Emergency Plan' and in exercise of the power conferred under section 41 B (4) of the factories Act 1948 and the Rule 13 (1) of Tamil Nadu control of Industrial major Accident hazardous chemicals Rules 1989 (as amended in 1994 and 2000) the Director of Industrial Safety and Health, Chennai hereby records the On-Site Emergency preparedness plan of the above said factory subject to the following conditions:

1. The On-Site Emergency Plan submitted by the management is recorded only for the conditions prevailing on the date of receipt of the On-Site Emergency Plan.
2. If there is any change in the layout of machinery, plant, process or any other modification are carried out a fresh On-Site Emergency Plan in accordance of such modifications should be prepared and submitted again for approval.

3. Full Scale On-Site Emergency mock drill should be conducted once in 6 months, involving the officials from the Directorate of Industrial Safety and Health, Fire and Rescue services department, Medical Department, Pollution Control Board and the adequacy of the emergency response measures, shall be assessed and the outcome of the mock drill shall be periodically reported to the Director office.
4. Site plan showing the following details shall be enclosed in the On-site Emergency Plan.
 - i) Location of entry / emergency exit.
 - ii) Location of hazardous chemicals storage area.
 - iii) Location of Emergency Control Centre.
 - iv) Location of Occupational Health Centre.
 - v) Location of Coal Yard Storage area.
5. Emergency Control Centre shall have a copy of TOPO Plan, On-site Emergency Plan, a set of fire proximity suit and details in this regard shall be furnished in the On-site Emergency Plan.
6. Workers in Coal Bunker area shall be subjected to periodical Medical Examination. Also Pulmonary Function Test shall be carried out to the workers and the record of examination carried out shall be entered in the certificate.
7. Adequate lighting system shall be provided in Coal Yard.
8. Roles and responsibilities shall be assigned to key persons and alternate key persons to combat any emergency.
9. Emergency Safety Shower and eye wash fountain shall be provided near HCL, H_2SO_4 and NaOH storage area.
10. Societal Risk has been calculated and the corresponding F-N Curve provided with red and yellow line and in between these two lines green line i.e. the risk curve move towards the Acceptable region which would be possible only after taking proper control measures, the societal risk would come down. As stated in the Risk analysis report, the control measures that would be taken to reduce the societal risk to acceptable level shall be clearly stated in the On-site Emergency Plan.
11. As highly flammable chemical substances are handled in this factory, a specific work permit system shall be established based on the nature of work / efficiency of the workmen / Risk involved / facility to eliminate the risk / authorized person for handling the emergency. Details of permit

system established and a specimen copy of such system shall be furnished in the On-site Emergency Plan.

12. Material Safety Data Sheet of all chemicals stored in the factory shall be circulated to all employees.

13. Accident reporting system shall be developed including near miss incident and periodical review on these incidents shall be carried out to avoid recurrence of such incidents.

14. Management shall take up the full responsibility of procuring and supplying the required Personal Protective Equipment conforming to BIS Standards to all the workers including Contract Workers.

(S/d.K.Jagathesan)
Director (FAC),
Industrial Safety and Health,
Chennai-32.

To
The Occupier,
Asian Paints Limited (Penta Division),
B-5 to B-10 Sipcot Industrial Complex,
Kudlikadu Village,
Cuddalore-607 005.

Copy to:

1. The Joint Director, Industrial Safety & Health, Cuddalore.
(He is requested to monitor the compliance of the conditions by the Management during his regular inspection)
2. Additional Director, Industrial Safety & Health, Trichy.
3. Spare Copy.
4. Stock File.

//Forwarded by Order//

(Signature)
for Director (FAC),
Industrial Safety and Health,
Chennai -32.

(Signature)
11/11/2019



asianpaints

ASIAN PAINTS LIMITED
PENTA DIVISION
AN ISO 9001
ISO 14001 &
OHSAS 18001 UNIT

Corporate Identification Number (CIN) : L24220MH1945PLC004598
For Shares related queries, email to investor.relations@asianpaints.com
For Customer queries / complaints / Dealership enquiries,
email to customercare@asianpaints.com
For HR related queries, email to careers@asianpaints.com
For Media related queries, e-mail to proffice@asianpaints.com
Pan : AAACA3622K
GST No. 33AAACA3622K1Z2

Asian Paints Limited
B-5 to B-10 Sipcot
Industrial Complex,
Kudlikadu Village,
Cuddalore - 607 005.
Tamil Nadu
Tel.No-04142-239248
www.asianpaints.com

Ref: AP/LCDL/OEP/02

Date: 09/03/2022

To

Director – Industrial Safety & Health,
31A, Water Works Road,
Thiru Vi Ka Industrial Estate,
SIDCO Industrial Estate,
Guindy, Chennai,
Tamil Nadu 600032

Dear Sir,

Sub: Submission of Onsite Emergency Plan as per Schedule 11 of Import, Export, Handling of Hazardous Chemicals Rules 1989 with required annexure – Reg

We Asian Paints Limited (Penta Division), B5-B10, SIPCOT Industrial Complex, Cuddalore, Tamilnadu – 607005, Manufacture of chemicals viz various grades of Pentaerythritol, Sodium Formate and Formaldehyde. We herewith submit Two copies of Onsite emergency plan with all the necessary supporting documents, Escape Route plan, Location of Hazardous Storage, TOPO plan Etc.,

Kindly record our onsite emergency plan and Guidelines of off-site emergency plan and acknowledge the receipt of the same.

For Asian Paints limited (Penta Division)

Associate General Manager Cum
Factory Manager

[Signature]

11.03.22

[Signature]

சென்னை கந்தளாறு தொழில்நுட்ப விலாசம்
பென்டா டிவிஷன்
11.03.22
பென்டா டிவிஷன்
சென்னை கந்தளாறு தொழில்நுட்ப விலாசம்

**¹[SCHEDULE -11]
[See Rule 13(1)]**

**DETAILS TO BE FURNISHED IN THE ON-SITE EMERGENCY PLAN
DETAILS TO BE FURNISHED IN THE ON-SITE EMERGENCY PLAN AS PER RULE 13(1) OF THE
MANUFACTURER OF HAZARDOUS CHEMICALS RULES 1989**

SL.NO	DESCRIPTION	DETAILS
1.	Name and address of the person furnishing the information.	B. Rajendra Babu Associate General Works Manager, APIL, B5-B10, SIPCOT Industrial Complex, Kudikadu, Cuddalore - 607 005
2	Key Personnel of the organization and responsibilities assigned to them in case of an emergency.	Provided in chapter No.17 of this plan
3	Outside organization in involved in assisting during on-site emergency.	Major fire & heavy leakage of raw material / collapse of chemical storage tanks. Fire fighting Providing assistance to evacuate the victims. Providing any other resources victims.
4	Details of liaison arrangements between the organization.	The safety in charge / the head of the organization are contacted at the time of emergency to get necessary help.
5	Information on the preliminary hazard analysis: (a) Types of accidents (b) System elements or events that can lead to a major accident (c) Hazards (d) Safety relevant components	Possibility of fire, Explosion, Chemical spill & Health Hazards only Details discussed in on site plan. Unloading of solvents Spillage of Hazardous Material like Solvents, Oil, Diesel, etc., All the precautions adopted while installation of equipment. LEL & Oxygen detector is available. Chemical Spill Kit, Fire Fighting facilities, Personnel Protective Equipment etc. provided
6	Details about this site: (a) Location of dangerous substances (b) Site key personnel (c) Emergency Control Room	Details are shown in a layout and enclosed Details are shown in a layout and enclosed Details are shown in a layout and enclosed
7	Description of hazardous chemicals at plant site (a) Chemicals (Quantities and toxicological data)	Details are provided in on site plan

For ASIAN PAINTS LIMITED

B.B.
RAJENDRABABU B
Associate General Manager.

SECRET
- (When in use)

SECRET
101

	(b) Transformation if any which could occur	Details are provided in on site plan
	© Purity of hazardous chemicals	Details are provided in on site plan
8	Likely dangers to the plant	The plant could be totally damaged by fire if not extinguished immediately
9	Enumerate effects of (i) Stress and strain caused during normal operation (ii) Fire and explosion inside the plant and effect if any, of fire explosion outside	Stress & strain not caused during normal operation Fire inside the plant can damage the plant machinery Fire outside the plant can cause air pollution damage to storage facilities & can lead to offsite emergency
10	Details regarding (i) Warning alarm and safety and security systems (ii) Alarm and hazard control plans in live with disaster control and hazard control planning. Ensuing the necessary technical and organizational precautions. (iii) Reliable measuring instruments, control units and servicing of such equipment (iv) Precautions in designing of the foundation and load bearing parts of the building. (v) Continuous surveillance of operations (vi) Maintenance and repair work according to the generally reorganized rules of good engineering practices	Details are given in this plan System is checked once in a week. Periodically serviced through preventive maintenance schedule Adequate care has been taken. Operations are monitored by the concerned operations / shift in charges all 24 hours of the day. Being ensured.
11	Details of communication facilities available during emergency and those required for an off - site emergency.	Four external telephone lines are available with battery backup. Additional Email & Fax facilities are available.
12	Details of firefighting and other facilities available and those required for an off - side emergency.	Full-fledged fire protection system, Sprinkler, Hydrant, foam system, Fire Alarm system details and drawing provided in on site plan.
13	Details of first aid and hospital services available and its adequacy.	Adequate facilities are available, and details are given in on site plan.

FOR ASIAN PAINTS LIMITED


RAJENDRABABU B
Associate General Manager.

Annexure 41

Public Liability Certificate



Date: 09/05/2025

ASIAN PAINTS LIMITED
6A & 6B, SHANTINAGAR,
SANTACRUZ (EAST), MUMBAI
MUMBAI - 400055
MUMBAI
MAHARASHTRA
INDIA
27AAACA3622KZZU(GSTIN Number)

Policy No : 0304013668
Renewal : 00
Endorsement : 00

Dear Sir / Madam,

We thank you for choosing **Tata AIG General Insurance Company Ltd.** as your preferred insurer. Your Policy No. Is 0304013668 00 00.

We are glad that you have chosen our product **PUBLIC LIABILITY ACT** and given us an opportunity to be your risk carrier for this Product.

'Casualty Line' caters to most of the Enterprises / Industries in India, whether Large, Medium or Small. As one of the India's most established insurance companies, we understand these unique needs of coverage. At Tata AIG we care for you and would strive to offer convenience coupled with a range of products that cater continuously to your ever increasing needs.

Enclosed please find your policy docket based on the information furnished by you in the Proposal.

We look forward to a long and mutually beneficial relationship and providing you wider range of benefits in the years to come.

Yours Sincerely,
For Tata AIG General Insurance Company Limited

Insurance is the subject matter of the solicitation. For more details on risk factors, terms and conditions, please read sales brochure carefully before concluding a sale.

TATA AIG General Insurance Company Ltd. Regd. Office: 15th floor, Tower A, Peninsula Business Park, Ganpatrao Kadam Marg, Off Senapati Bapat Marg, Lower Parel, Mumbai- 400 013.

IRDA Registration No.108, CIN No : U05110MH2000PLC128425, PAN : AABCT3518Q, UIN No : IRDANI108GP0058Y01201819

Website: www.tataaig.com 24X7 Tollfree Helpline 1800-266-7780 E-mail: customersupport@tataaig.com



**PUBLIC LIABILITY ACT POLICY
POLICY SCHEDULE**

Agent/Broker Name -MARSH INDIA INSURANCE BROKERS PVT LTD
Agent/Broker License Code - 120-Agent/Broker :Contact No - 022-66512947 (mobile or landline)

Attaching to and forming part of Policy No. 0304013668 00 00
Name of Insured Owner: ASIAN PAINTS LIMITED
Business: manufacturing, selling and distribution of paints, coatings, products related to home décor, bath fittings and providing related services

Address: 6A & 6B, SHANTINAGAR,
SANTACRUZ (EAST), MUMBAI
MUMBAI - 400055
MAHARASHTRA
INDIA
27AAACA3622K2U(GSTIN Number)
Place of supply -MAHARASHTRA
State code -27

Territorial limits: Anywhere in India

Policy Period: From: 01/04/2025 12:00 AM/ PM
To Midnight of: 31/03/2026 12:00 AM/ PM

Indemnity limit:Rs 1,000,000,000.00(AOA Limit) in respect of any one accident and not exceeding Rs 1,000,000,000.00(AOV Limit) in the aggregate during the policy period.

Service Tax Registration No:

Premium	₹ 350,000.00
UGST/SGST @9 %	₹ 31,500.00
CGST @9 %	₹ 31,500.00

**Contribution to the
Environment Relief Fund: 350,000.00**

Date of Proposal and declaration:01/04/2025

In witness whereof the undersigned being duly authorized by the company and on behalf of the company has hereto set his hand at MUMBAI on 09/05/2025

The stamp duty of 0.5 paid in cash or demand draft or by pay order/wide Receipt/Challan no: LOA/ENFJ/CSD/90/2024/25/5 dated the 01/01/2025

For Tata AIG General Insurance Company Limited

Date :09/05/2025
Place :MUMBAI

Policy Servicing Office
Tata AIG General Insurance Company Limited
BUILDING NO. 28,GROUND AND MEZZANINE FLOOR, DR. ERNEST BORGES ROAD, PAREL EAST, OPP. SHIRODKAR HIGH,MUMBAI,MAHARASHTRA,MUMBAI-400012
Tel No:22-22-62606600

RECEIPT

Receipt No. : 102001106198999

Receipt Date : 01/04/2025

Policy No : 0304013668 00 00

Received with thanks from ASIAN PAINTS LIMITED a sum of ₹ **7,63,000.00** (Rupees Seven Lakhs Sixty Three Thousand And Paise Zero Only)

Sr. No.	Policy Number	Total Premium (₹)	Utilized from the receipt for policy (₹)	Balance (₹)
1	0304013668 00 00	7,63,000.00	7,63,000.00	0.00

Note:

1. This is a computer generated receipt and does not require a signature.
2. Upon issuance of this Receipt, all previously issued temporary receipts, if any, related to this Policy shall be considered null and void.
3. Amounts received by cheque shall be subject to realisation.
4. Any amount received in excess of the Premium is being/shall be refunded by the Company.

GSTIN : 27AABCT3518Q1ZW - MAHARASHTRA Service Accounting Code : 997139

Insurance is the subject matter of the solicitation. For more details on risk factors, terms and conditions, please read sales brochure carefully before concluding a sale.
TATA AIG General Insurance Company Ltd. Regd. Office: 15th floor, Tower A, Peninsula Business Park, Ganpatrao Kadam Marg, Off Senapati Bapat Marg, Lower Parel, Mumbai-400 013.

IRDA Registration No.108, CIN No : U85110MH2000PLC128425,PAN : AABCT3518Q
Website: www.tataaig.com 24X7 Tollfree Helpline 1800-266-7780 E-mail: customersupport@tataaig.com

Insurance is the subject matter of the solicitation. For more details on risk factors, terms and conditions, please read sales brochure carefully before concluding a sale.
TATA AIG General Insurance Company Ltd. Regd. Office: 15th floor, Tower A, Peninsula Business Park, Ganpatrao Kadam Marg, Off Senapati Bapat Marg, Lower Parel, Mumbai-400 013.
IRDA Registration No.108, CIN No : U85110MH2000PLC128425,PAN : AABCT3518Q, UIN No : IRDAN108CP0058V01201819
Website: www.tataaig.com 24X7 Tollfree Helpline 1800-266-7780 E-mail: customersupport@tataaig.com

LIABILITY INSURANCE POLICY (UNDER PUBLIC LIABILITY INSURANCE ACT 1991)

1. OPERATIVE CLAUSE

Whereas the Insured Owner named in the schedule hereto and carrying on business described in the said schedule has applied to the Tata AIG General Insurance Company Limited (hereinafter called the Company) for the indemnity hereinafter contained and has made a written proposal and declaration which shall be the basis of this contract and is deemed to be incorporated herein and has paid the premium and statutory contribution towards the Environment Relief Fund as per the provisions of the Public Liability Insurance Act and the rules framed thereunder.

NOW THIS POLICY WITNESSETH that subject to the terms, exceptions and conditions contained herein or endorsed hereon, the company will indemnify the insured owner against the statutory liability arising out of accidents occurring during the currency of the policy due to handling hazardous substances as provided for in the said Act and the Rules framed thereunder.

2. DEFINITIONS:

- a) "ACT" unless otherwise specifically mentioned shall mean the Public Liability Insurance Act 1991 as amended from time to time;
- b) "Accident" means an accident involving a fortuitous, sudden or unintentional occurrence while handling any hazardous substance resulting in continuous, intermittent or repeated exposure to death of, or injury to any person or damage to any property but does not include an accident by reason only of war or radioactivity;
- c) "Handling" in relation to any hazardous substance means the manufacture, processing, treatment, package, storage, transportation by vehicle, use, collection, destruction, conversion, offering for sale, transfer or the like of such hazardous substance;
- d) "Hazardous Substance" means any substance or preparation which is defined as hazardous substance under the Environment (Protection) Act, 1986, and exceeding such quantity as may be specified, by notification, by the Central Government;
- e) "Owner" means a person who owns, or has control over handling any hazardous substance at the time of accident and includes:
 - i) in the case of a firm any of its partners;
 - ii) in the case of an association, any of its members, and
 - iii) in the case of a company, any of its directors, managers, secretaries or other officers who is/are directly in charge of, and is/are responsible to the company for the conduct of the business of the company;
- f) "Turnover" shall mean
 - i) Manufacturing units-Annual Gross Sales of all goods including all levies and taxes
 - ii) Godowns/ warehouse owners-Total Annual rental receipts.
 - iii) Transport Operators-Total Annual freight receipts.
 - iv) Others-Total Annual gross receipts.

3. EXCLUSIONS:

- (1) arising out of wilful or intentional non-compliance of any Statutory provisions.
- (2) in respect of fines, penalties, punitive and/or exemplary damages.
- (3) arising under any other legislation except in so far as provided for in Section 8 Sub Section (1) and (2) of the Act.
- (4) in respect of damage to property owned, leased or hired or under hire purchase or on loan to the Insured or otherwise in the Insured Owner's control, care or custody.
- (5) directly or indirectly occasioned by, happening through or in consequence of war, invasion, act of foreign enemy, hostilities (whether war be declared or not), civil war, rebellion, revolution, insurrection or military or usurped power;
- (6) directly or indirectly caused by or contributed to by.
 - (a) ionising radiation or contamination by radioactivity from any nuclear fuel or from any nuclear waste from the combustion of nuclear fuel
 - (b) the radioactive, toxic, explosive or other hazardous properties of any explosive nuclear assembly or nuclear component thereof.

4. CONDITIONS:

The Insured owner shall give written notice to the Company as soon as reasonably practicable of any claim made against the Insured Owner or of any specific event or circumstance that may give rise to a claim. The Insured Owner shall immediately give to the Company copies of notice of applications forwarded by the Collector and all

such additional information and or assistance that the company may require.

- (2) No admission, offer, promise or payments shall be made or given by or on behalf of the Insured owner under this policy without the written consent of the Company.
- (3) The Company shall not be liable for any claim for relief made after five years from the date of occurrence of the accident.
- (4) The Insured Owner shall keep record of annual turnover, and at the time of renewal of insurance declare such turnover and all other details as may be required by the Company. The Company shall at all reasonable times have full rights to call for and examine such records.
- (5) If at the time of happening of any accident resulting in a claim under this policy there be any other insurance covering the same liability, then the Company shall not be liable to pay or contribute more than its ratable proportion of such liability.
- (6) This policy may be cancelled by the Insured Owner by giving 30 days notice in writing to the company in which event the Company will retain premium at short period scale subject to there not having occurred an accident during the policy period which may give rise to a claim(s), failing which no refund of premium shall be allowable.
- (7) This Policy may also be cancelled by the Insurer by giving 30 days notice in writing to the Insured Owner in which event the Company shall be liable to repay on demand a ratable proportion of the premium for the unexpired term from the date of cancellation.
- (8) If the Company shall disclaim liability to the Insured Owner for any claim hereunder and such claim shall not within 12 calendar months from the date of such disclaimer have been made the subject matter of a suit in a competent court of law, then the claim for the practical purposes shall be deemed to have been abandoned and shall not thereafter be recoverable hereunder or be made the subject matter of any suit.
- (9) The Company shall not be liable to make any payment in respect of any claim if such claim shall be in any manner fraudulent or supported, by any person on behalf of the Insured Owner and/or if the insurance has been continued in consequence of any material misstatement or non-disclosure of any material information by or on behalf of the Insured Owner. In such a case if the Company pays any amount to the claimant due to any statutory provision such amount shall be recoverable from the Insured Owner.
- (10) The Policy and the Schedule shall be read together as one contract and any word or expression to which a specific meaning has been assigned in the Act and the Rules framed thereunder or in this Policy shall bear such specific meaning.
- (11) Any dispute regarding interpretation of the terms, conditions and exclusions of this Policy shall be determined in accordance with the law and practice of a court of competent jurisdiction within India.

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TATA AIG General Insurance Company Ltd. Regd. Office: Tower A, Peninsula Business Park, Gaupurao, Kadam Marg, Off Senapati Bapat Marg, Lower Parel, Mumbai- 400 013.

RD A Registration No.108, CIN No.: U8510MH2000PLC128425, PAN: AABCT3518Q, UIN No.: RDANI08CTP0058V01201819

Website: www.tataaig.com 24X7 Tollfree Helpline 1800-266-7780 E-mail: customersupport@tataaig.com



GRIEVANCE REDRESSAL POLICY

Grievance Lodgment Stage

The Company is committed to extend the best possible services to its customers. However, if you are not satisfied with our services and wish to lodge a complaint, please feel free to contact us through below channels:

Call us 24x7 toll free helpline 1800 266 7780

Email us at customersupport@tataaig.com

Write to us at : Customer Support, Tata AIG General Insurance Company Limited
A-501 Building No.4 IT Infinity Park, Dindoshi, Malad (E), Mumbai - 400097
Visit the Servicing Branch mentioned in the policy document

Nodal Officer

Please visit our website at www.tataaig.com to know the contact details of the Nodal Officer for your servicing branch.

After investigating the grievance internally and subsequent closure, we will send our response within a period of 10 days from the date of receipt of the complaint by the Company or its office in Mumbai. In case the resolution is likely to take longer time, we will inform you of the same through an interim reply.

Escalation Level 1

For lack of a response or if the resolution still does not meet your expectations, you can write to manager, customersupport@tataaig.com. After investigating the matter internally and subsequent closure, we will send our response within a period of 8 days from the date of receipt of your complaint.

Escalation Level 2

For lack of a response or if the resolution still does not meet your expectations, you can write to the Head-Customer Services at head.customerservices@tataaig.com. After examining the matter, we will send you our response within a period of 7 days from the date of receipt of your complaint. Within 30 days of lodging a complaint with us, if you do not get a satisfactory response from us and you wish to pursue other avenues for redressal of grievances, you may approach Insurance Ombudsman appointed by IRDA under the Insurance Ombudsman Scheme. Given below are details of the Insurance Ombudsman located at various centers.

List of Insurance Ombudsman Offices

Office of the Ombudsman	Address & Contact details	Jurisdiction of Office Union Territory, District
AHMEDABAD	Office of the Insurance Ombudsman, Jeevan Prakash Building, 6th Floor, Tilak Marg, Relief Road, Ahmedabad - 380 001. Tel.: 079 - 25501201/02/05/06 Email: bimalokpal.ahmedabad@ecol.co.in	Gujarat, Dadra & Nagar Haveli, Daman and Diu.
BENGALURU	Office of the Insurance Ombudsman, Jeevan Southa Building, PTD No. 57-27-N-19 Ground Floor, 19/19, 24th Main Road, JP Nagar, 1st Phase, Bengaluru - 560 078. Tel.: 080 - 26652048 / 26652049 Email: bimalokpal.bengaluru@ecol.co.in	Karnataka
BHOPAL	Office of the Insurance Ombudsman, Janak Vihar Complex, 2nd Floor, 6, Malviya Nagar, Opp. Airtel Office, Near New Market, Bhopal - 462 003. Tel.: 0755 - 2769201 / 2769202 Fax: 0755 - 2769203 Email: bimalokpal.bhopal@ecol.co.in	Madhya Pradesh Chattisgarh
BHUBANESHWAR	Office of the Insurance Ombudsman, 62, Forest park, Bhubaneswar - 751 009. Tel.: 0674 - 2596461/2596455 Fax: 0674 - 2596429 Email: bimalokpal.bhubaneswar@ecol.co.in	Orissa
CHANDIGARH	Office of the Insurance Ombudsman, S.C.O. No. 101, 102 & 103, 2nd Floor, Batra Building, Sector 17 - D, Chandigarh - 160 017. Tel.: 0172 - 2706196 / 2706468 Fax: 0172 - 2708274 Email: bimalokpal.chandigarh@ecol.co.in	Punjab, Haryana, Himachal Pradesh, Jammu & Kashmir, Chandigarh
CHENNAI	Office of the Insurance Ombudsman, Fatima Akhtar Court, 4th Floor, 453, Anna Salai, Teyrnampet, CHENNAI - 600 018. Tel.: 044 - 24333668 / 24335284 Fax: 044 - 24333664 Email: bimalokpal.chennai@ecol.co.in	Tamil Nadu, Pondicherry Town and Karaikal (which are part of Pondicherry).
DELHI	Office of the Insurance Ombudsman, Z/2 A, Universal Insurance Building, Asaf Ali Road, New Delhi - 110 002. Tel.: 011 - 23239633 / 23237532 Fax: 011 - 23230858 Email: bimalokpal.delhi@ecol.co.in	Delhi
GUWAHATI	Office of the Insurance Ombudsman, Jeevan Nivesh, 5th Floor, Nr. Panbazar over bridge, S.S. Road, Guwahati - 781001(ASSAM). Tel.: 0361 - 2132204 / 2132205 Fax: 0361 - 2732937 Email: bimalokpal.guwahati@ecol.co.in	Assam, Meghalaya, Manipur, Mizoram, Arunachal Pradesh, Nagaland and Tripura
HYDERABAD	Office of the Insurance Ombudsman, 6-2-46, 1st floor, "Moin Court", Lane Opp. Saleem Function Palace, A. C. Guards, Lakdi-Ka-Pool, Hyderabad - 500 004. Tel.: 040 - 65504123 / 23312122 Fax: 040 - 23376599 Email: bimalokpal.hyderabad@ecol.co.in	Andhra Pradesh, Telangana, Varan and part of Territory of Pondicherry.
JAIPUR	Office of the Insurance Ombudsman, Jeevan Nidhi - II Bldg, Gr. Floor, Bhawan Singh Marg, Jaipur-302 005. Tel.: 0141 - 2740363 Email: Bimalokpal.jaipur@ecol.co.in	Rajasthan
ERNAKULAM	Office of the Insurance Ombudsman, 2nd Floor, Pulicat Bldg, Opp. Cochin Shipyard, M. G. Road, Ernakulam - 682 015. Tel.: 0484 - 2358759 / 2359338 Fax: 0484 - 2359336 Email: bimalokpal.ernakulam@ecol.co.in	Kerala, Lakshadweep, Mahe-a part of Pondicherry
KOLKATA	Office of the Insurance Ombudsman, Hindustan Bldg, Annexe, 4th Floor, 4, C.R. Avenue, KOLKATA-700 072. Tel.: 033 - 22124339 / 22124340 Fax: 033 - 22124341 Email: bimalokpal.kolkata@ecol.co.in	West Bengal, Sikkim, Andaman & Nicobar Islands
LUCKNOW	Office of the Insurance Ombudsman, 6th Floor, Jeevan Bhawan, Phase-II, Nawal Kishore Road, Hazratganj, Lucknow - 226 001. Tel.: 0522 - 2231330 / 2231331 Fax: 0522 - 2231310 Email: bimalokpal.lucknow@ecol.co.in	Districts of Uttar Pradesh : Lucknow, Jhansi, Mahoba, Hamirpur, Banda, Chitrakoot, Allahabad, Mirzapur, Sonbadra, Fatehpur, Pratapgarh, Jaunpur, Varanasi, Gazipur, Jalaun, Kanpur, Lucknow, Unnao, Sitapur, Lakhimpur, Bahraich, Barabanki, Raebareilly, Sravasti, Gonda, Faizabad, Amethi, Kaushtanbi, Balrampur, Basti, Ambedkarnagar, Sultanpur, Maharajganj, Santkabirnagar, Azamgarh, Kushinagar, Gorakhpur, Deoria, Mau, Ghazipur, Chandauli, Ballia, Siddharthnagar

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TATA AIG General Insurance Company Ltd. Regd. Office: 15th floor, Tower A, Peninsula Business Park, Carpenter Kadam Marg, Off Senapati Bapat Marg, Lower Parel, Mumbai- 400 013.

IRDA Registration No.108, CIN No : U8510MH2000PLC128423, PAN : AABCT3518Q, UIN No : IRDANI108CP0058V01201819

Website: www.tataaig.com 24x7 Tollfree Helpline 1800-266-7780 E-mail: customersupport@tataaig.com

MUMBAI	Office of the Insurance Ombudsman, 3rd Floor, Jeevan Seva Annexe, S. V. Road, Santacruz (W), Mumbai - 400 054. Tel.: 022 - 26106552 / 26106960 Fax: 022 - 26106052 Email : bimalokpal.mumbai@ecol.co.in	Goa, Mumbai Metropolitan Region excluding Navi Mumbai & Thane
NOIDA	Office of the Insurance Ombudsman, Bhagwan Sahai Palace, 4th Floor, Main Road, Naya Bans, Sector 15, Distt: Gautam Buddh Nagar, U.P-201301. Tel.: 0120-2514250 / 2514252 / 2514253 Email : bimalokpal.noida@ecol.co.in	State of Uttaranchal and the following Districts of Uttar Pradesh : Agra, Aligarh, Bagpat, Bareilly, Bijnor, Budauln, Bulandshahr, Etah, Kanooj, Mainpuri, Mathura, Meerut, Moradabad, Muzaffarnagar, Orailya, Pilibhit, Etawah, Farrukhabad, Firozbad, Gautambodhanagar, Ghazalbad, Haridol, Shahjahanpur, Hapur, Shamli, Rampur, Kashganj, Sambhal, Amroha, Hathras, Kanshirammagar, Saharanpur
PATNA	Office of the Insurance Ombudsman, 1st Floor, Kalpana Arcade Building, Bazar Samiti Road, Bahadurpur, Patna 800 006. Tel.: 0612-2680952 Email:bimalokpal.patna@ecol.co.in	Bihar, Jharkhand
PUNE	Bhagwan Sahai Palace , 4th Floor, Main Road, Naya Bans, Sector 15, G.B. Nagar, Noida. NOIDA – 201301 Tel: 0120-2514250/51/53 Email: bimalokpal.noida@gbic.co.in	Maharashtra, Area of Navi Mumbai and Thane excluding Mumbai Metropolitan Region

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IRDA Registration No.108, CIN No : U85110MH2000PLC128425, PAN : AABCT3518Q, UIN No : IRDANI08CP0058Y01201819

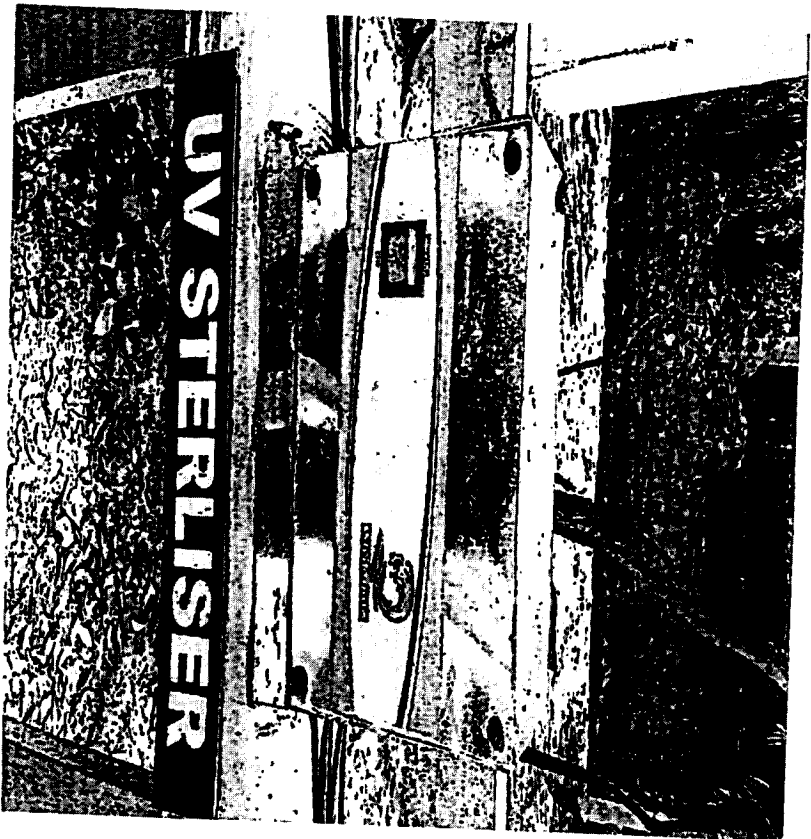
Website: www.tataaig.com 24X7 Tollfree Helpline 1800-266-7780 E-mail: customersupport@tataaig.com

Annexure 42

STP UV

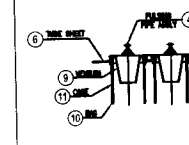
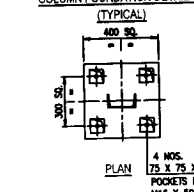
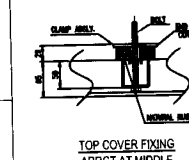
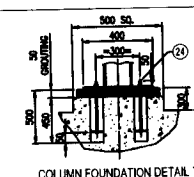
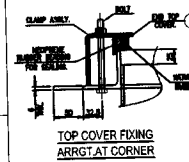
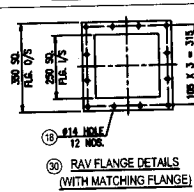
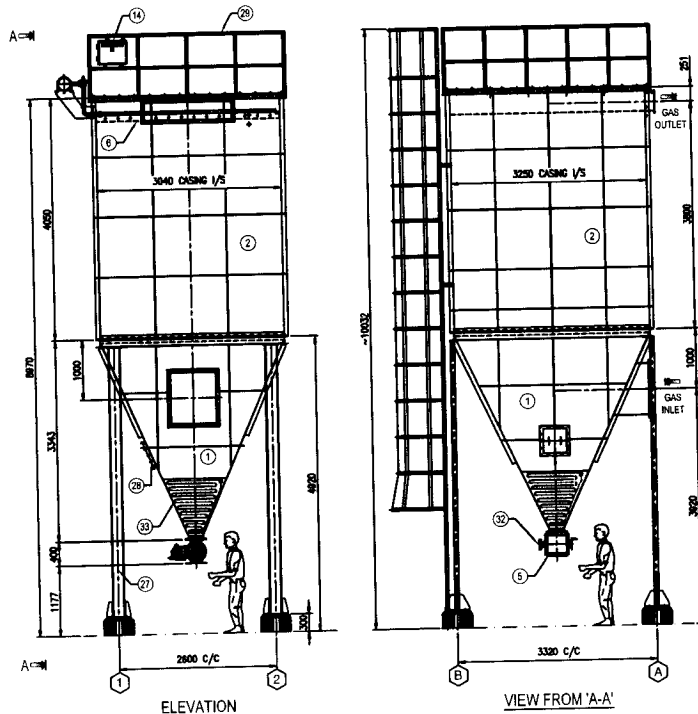
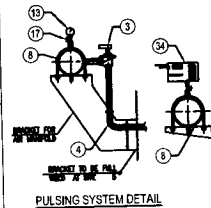
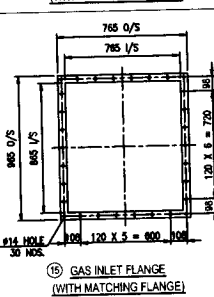
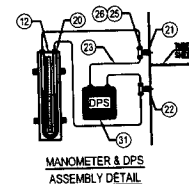
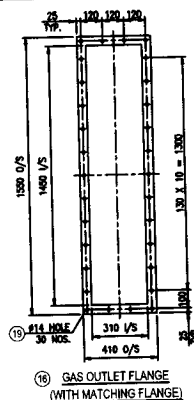
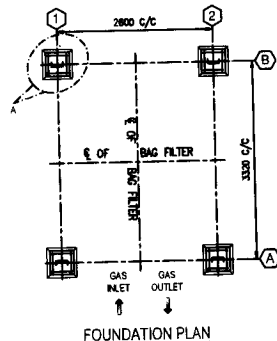
Annexure 28:

UV TREATMENT IN EXISTING STP



Annexure 43

Dust Collector & Fly Ash Silo Conveyor



A)	LOAD DATA :	
	- TOTAL UNIT WEIGHT (KG) ---	8200
	- UNIT WEIGHT WITH DUST (HOPPER FILLED TILL INLET TOP) (KG) ---	11000
	- DEAD LOAD ON EACH COLUMN (KG) ---	2750
B)	DESIGN DATA :	
	- GAS VOLUME (m ³ /HR) ---	26400
	- DESIGN PRESSURE (MM WG) ---	2500
	- SERVICE TEMPERATURE IN DEGREE CENTIGRADE ---	£ 200
	- MAXIMUM DESIGN TEMPERATURE IN DEGREE CENTIGRADE ---	220
	- DUST DENSITY FOR DISCHARGE (KG/M ³) ---	800
	- DUST DENSITY FOR POWER (KG/M ³) ---	1000
	- AIR TO CLOTH RATIO (M ³ /MIN/M ²) ---	1.14
	- INLET DUST LOAD (g/m ² /MIN) ---	£ 50
	- OUTLET EMISSION (mg/M ³) ---	£ 100
	- PRESSURE DROP ACROSS BAG FILTER (FLANGE TO FLANGE) (MM WG) ---	< 100
	- PARTICLE SIZE (MICRONS) ---	20
	- FILTRATION AREA (M ²) ---	375.3
	- FOUNDATION DEPTH TO BE DECIDED BY CUSTOMER'S CIVIL ENGG. CONSIDERING WIND LOAD AND SUCH OTHER LOADS.	
	- ALL FOUNDATION BOLTS TO BE GROUTED AFTER ERECTING THE EQUIPMENT IN POSITION.	
C)	PRODUCT DATA :	
	- LOCATION POSITION IS INDICATIVE - ACTUAL POSITION IS TO BE DECIDED AT SITE BASED ON SITE CONDITIONS.	
	- OUTLET POSITION CANNOT BE CHANGED.	
	- ID FAN SHOULD NOT START UNLESS DISCHARGE VALVE AND SEQUENTIAL CONTROLLER STARTS OPERATING.	
	- CUSTOMER HAS TO MAKE SEPARATE PROVISION FOR FAN FOUNDATION.	
	- SEQUENTIAL CONTROLLER SHOULD NOT BE MOUNTED ON VIBRATING STRUCTURE.	
	- SPACE REQUIRED FOR BAG & CAGE REMOVAL - 3.700 MTR (MINIMUM)	
D)	UTILITIES :	
	# ELECTRICAL	
	- POWER: 415V (±10%), 50 Hz (±5%), 3PH, AC	
	- CONTROL : 230V (±10%), 50 Hz (±5%), 1PH, AC	
	- RAV DRIVE : GEARED MOTOR 1.0 HP, 20 RPM, 415 V, 3 PH AC.	
	# COMPRESSED AIR REQUIREMENT AT 5-6 kg/cm ² -	
	- NORMAL : 37.1 Nm ³ /hr (COMPRESSED AIR QUALITY : OIL CONTENT < 50 PPM)	
	- MOISTURE CONTENT : PRESSURE DEW POINT TEMP. -10° WHICH CORRESPONDS 2 G/M ³ (m ³)	
E)	PAINTING DETAILS FOR BAG FILTER :	
	SURFACE PREPARATION- MANUAL CLEANING	
	INSIDE - TWO COATS OF HR ALUMINIUM PAINT	OUTSIDE - TWO COATS OF HR ALUMINIUM PAINT
F)	FINISH PAINT SHADE- SILVER SHADE	

SR NO.	DESCRIPTION	MAKE	SCOPE	MOC	QTY.
34	PRESSURE SWITCH	INLAND / ORIEN / SWITZER	EEC	0-10 KG/CM2	1 NO.
33	HOPPER HEATER PAD		EEC	LOOSE	1 LOT
32	ZERO SPEED SWITCH FOR RAV	JAYSHREE	EEC	LOOSE	1 NO.
31	D.P. SWITCH	INLAND / ORIEN / SWITZER	EEC	0-250 MMWG	1 NO.
30	RAV FLANGE	--	EEC	M.S.	1 LOT
29	RAILING	--	EEC	M.S.	1 LOT
28	ACCESS WINDOW	--	EEC	M.S.	1 NO.
27	SUPPORT STRUCTURE WITH LADDER	--	EEC	M.S.	1 LOT
26	CONNECTOR T 1" BSP	--	EEC	M.S. LOOSE	2 NOS.
25	CONNECTOR 1/2" x 1/4"	--	EEC	M.S. LOOSE	2 NOS.
24	FOUNDATION BOLTS	--	EEC	M16 X 500 LG.	16 NOS.
23	PU TUBE 90mm.	--	EEC	LOOSE	1 LOT
22	1/2" BSP SOCKET WITH PLUG	--	EEC	M.S.	1 NO.
21	1/2" BSP SOCKET WITH PLUG	--	EEC	M.S.	1 NO.
20	1" PU CONNECTOR	--	EEC	M.S. LOOSE	8 NOS.
19	INLET & OUTLET FLANGE HARDWARE	--	EEC	M12 X 40 LOOSE	60 NOS.
18	POWDER DISCHARGE FLANGE HARDWARE	--	EEC	M14 X 60 LOOSE	8 NOS.
17	NIDDLE VALVE WITH 3/8" CONNECTOR	--	EEC	IS-2062 LOOSE	1 LOT
16	OUTLET & COUNTER FLANGES	--	EEC	YES	2 LOT
15	INLET & COUNTER FLANGES	--	EEC	YES	2 LOT
14	SEQUENTIAL TIMER	INLAND / MARKS	EEC	230 V. AC 15 PORT	1 NO.
13	PRESSURE GAUGE 3/8" BOTTOM ENTRY	RIKIGU / WAREE	EEC	0-10 KG/CM2	1 NO.
12	MANOMETER ASS'LY	AKSHAY	EEC	150 - 0 - 150 mm WG	1 NO.
11	GAGE Ø143 X 3645 MM LONG.	--	EEC	G1/ HR ALUMINIUM	210 NOS
10	BAG - Ø155 X 3660 MM LONG	BWF	EEC	PPS WEB ON	210 NOS
9	VENTURI	--	EEC	PPS SCRM	210 NOS
8	AIR MANIFOLD PIPE/HEADER	--	EEC	G1/ HR ALUMINIUM	210 NOS
7	TOP COVER	--	EEC	200 NB B CLASS	1 LOT
6	TUBE SHEET	--	EEC	3 mm. THK	1 NO.
5	ROTARY AIR LOCK VALVE (C.I.)	--	EEC	5 mm. THK	1 NO.
4	PULSING PIPE ASSEMBLY	--	EEC	SIZE 250 NB SQ. MOTOR = 1.0 HP. RAV RPM 20	1 NO.
3	PULSE & SOLENOID VALVE	ROTEX & MARKS	EEC	40 NB. B-CLASS	15 NOS.
2	HOUSING	--	EEC	1 1/2" BSP. 230V AC DIAPHRAM TYPE	15 NOS.
1	HOPPER	--	EEC	3 mm. THK	1 NO.
		--	EEC	5 mm. THK	1 NO.

TITLE: - GA OF BAG FILTER PJ-12-210 FOR 16 TPH BOILER EXHAUST
CLIENT: - M/s. ASIAN PAINTS LIMITED.

CONSULTANT:



ENVIROMENTAL ENGINEERING CONSULTANT
SARITA VAIBHAV, SINHGAD ROAD,
PUNE - 411030.

PROJECT No. :
1718

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FILLET WEL

ALT
No

ALTERATION

FOR ALTERATION DETAILS, REFER FIRST SHEET OF THE DRAWING

DA

MADE
BY _____

CHK.	BY
------	----

DRAWN	PJP	25.10.17
CHECKED	SAGAR	25.10.17
APPROVED	ARD	25.10.17

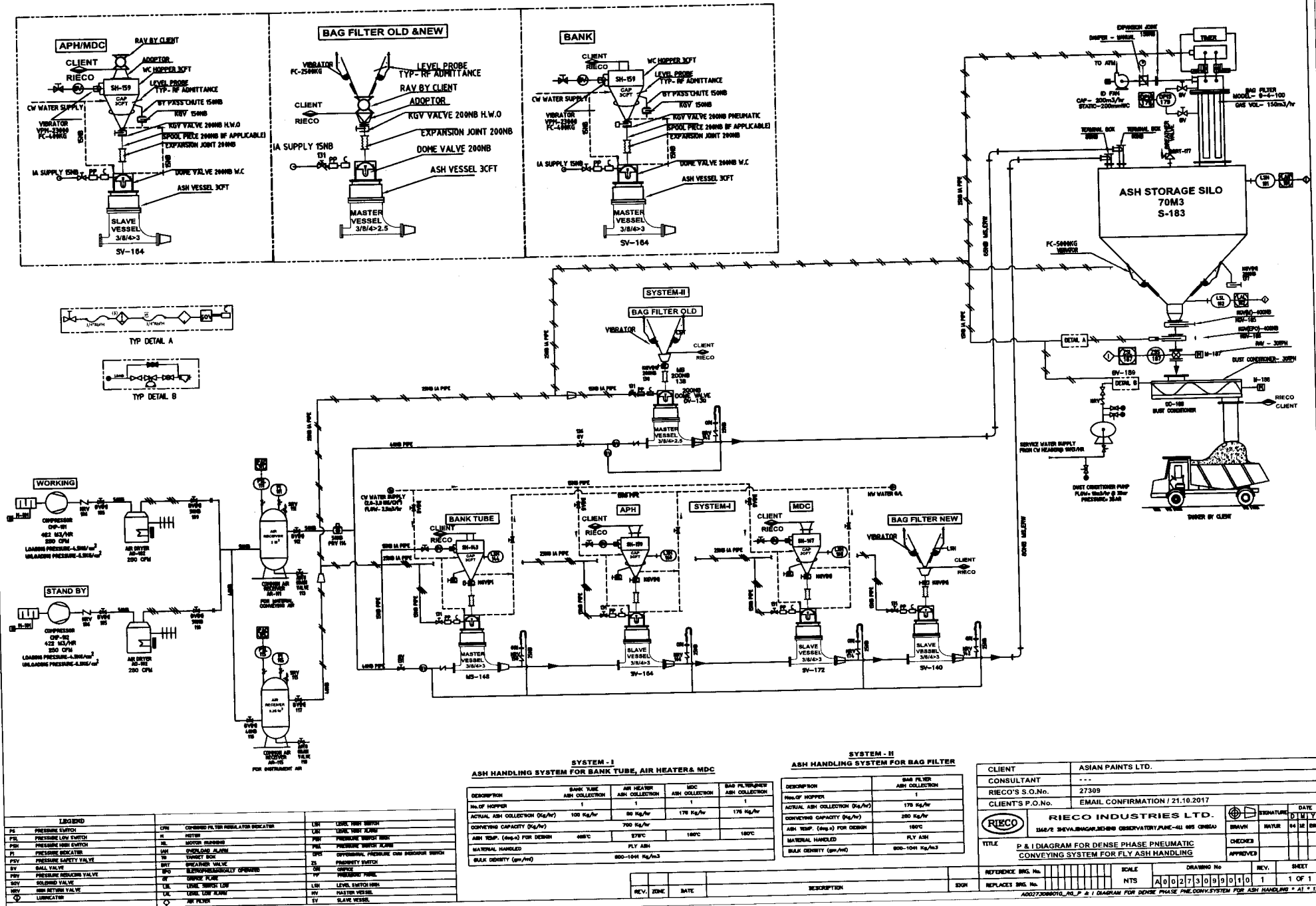
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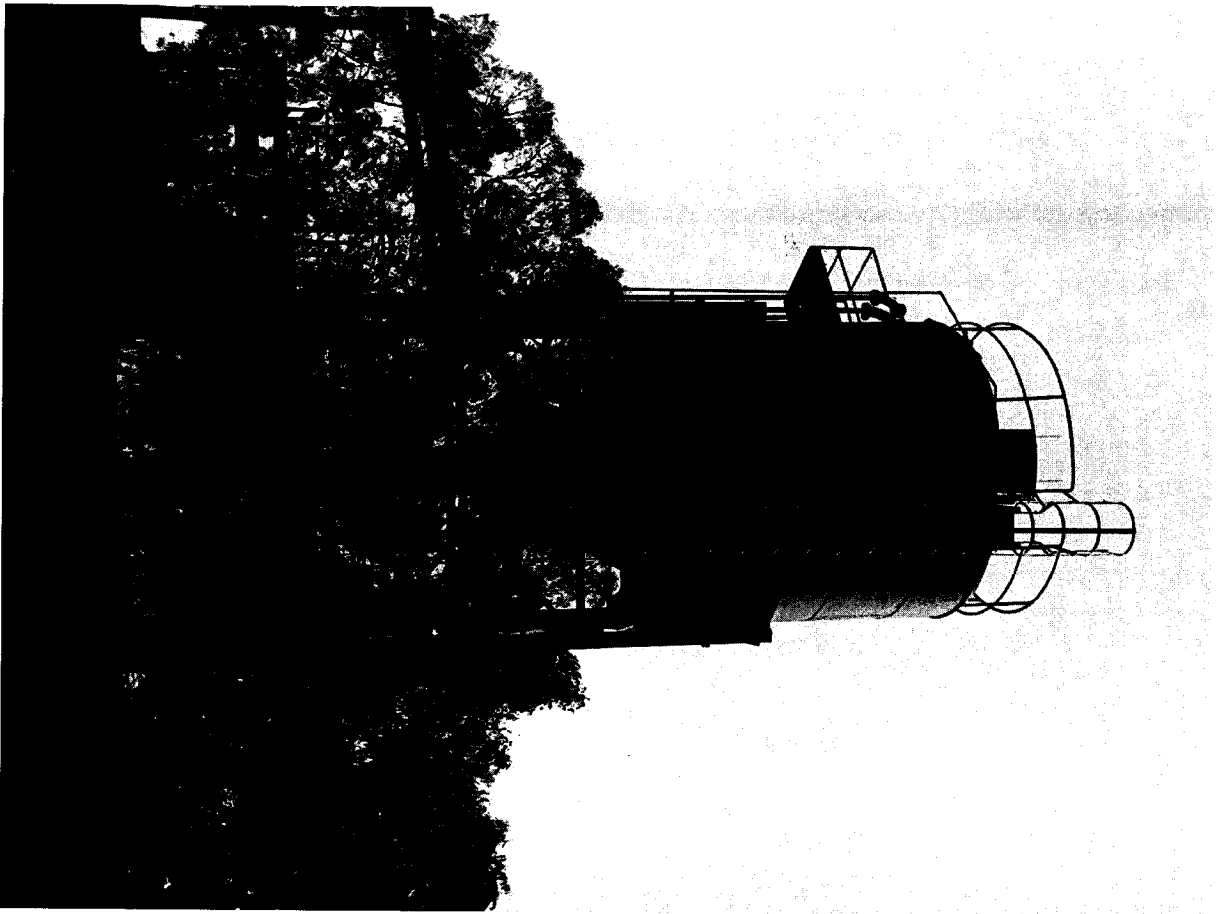
PROJECTION

DRG.NO:	1710 0 01 001
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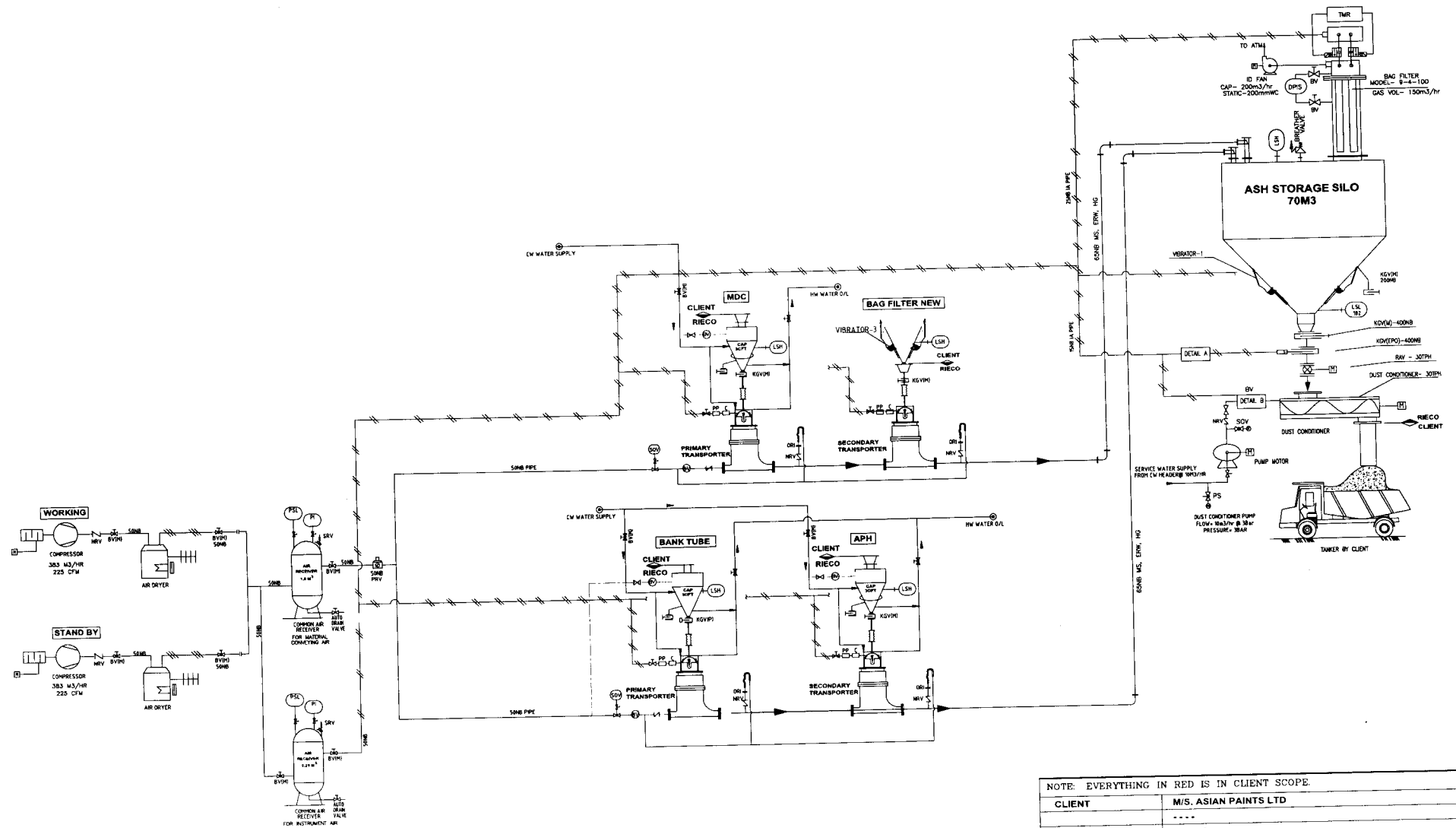
REV. 0



Fly Ash Handling SILO

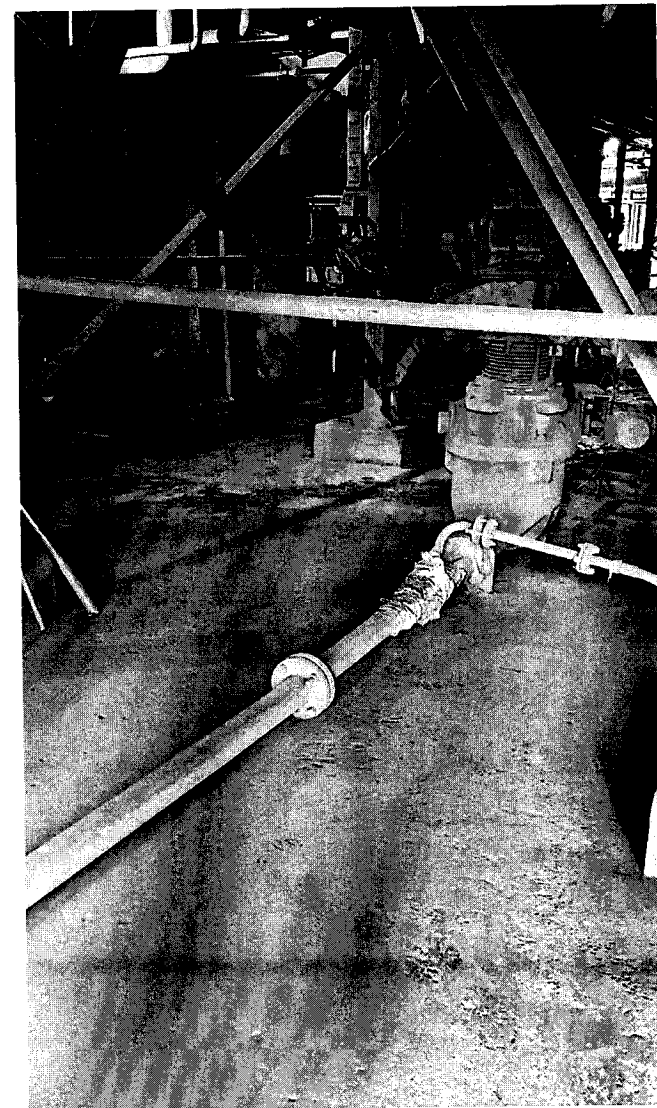
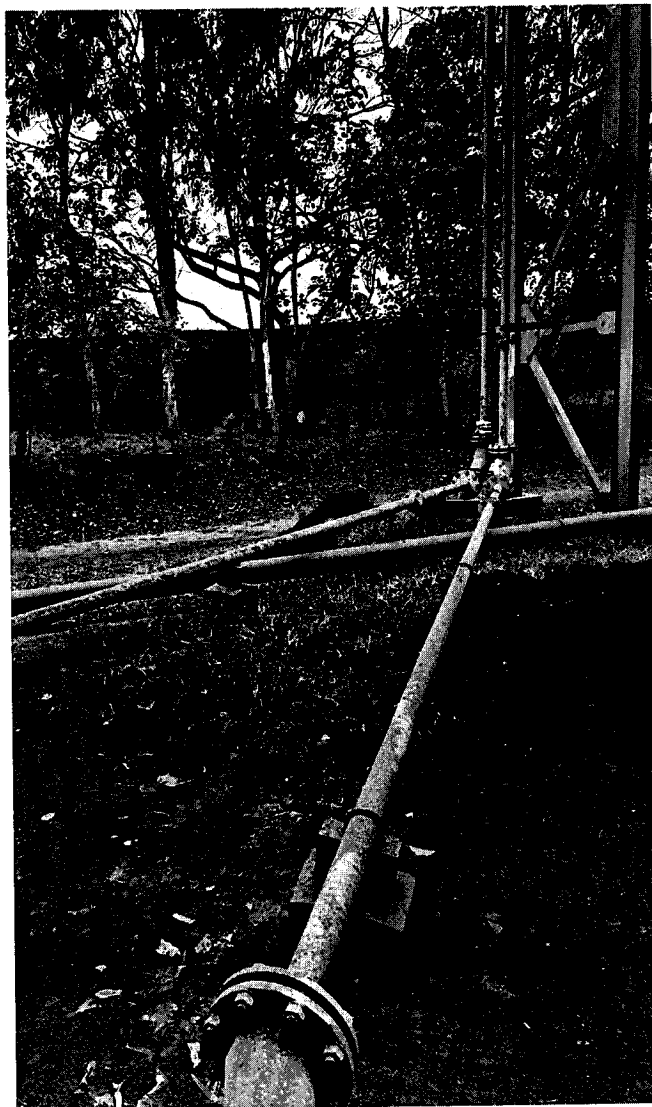
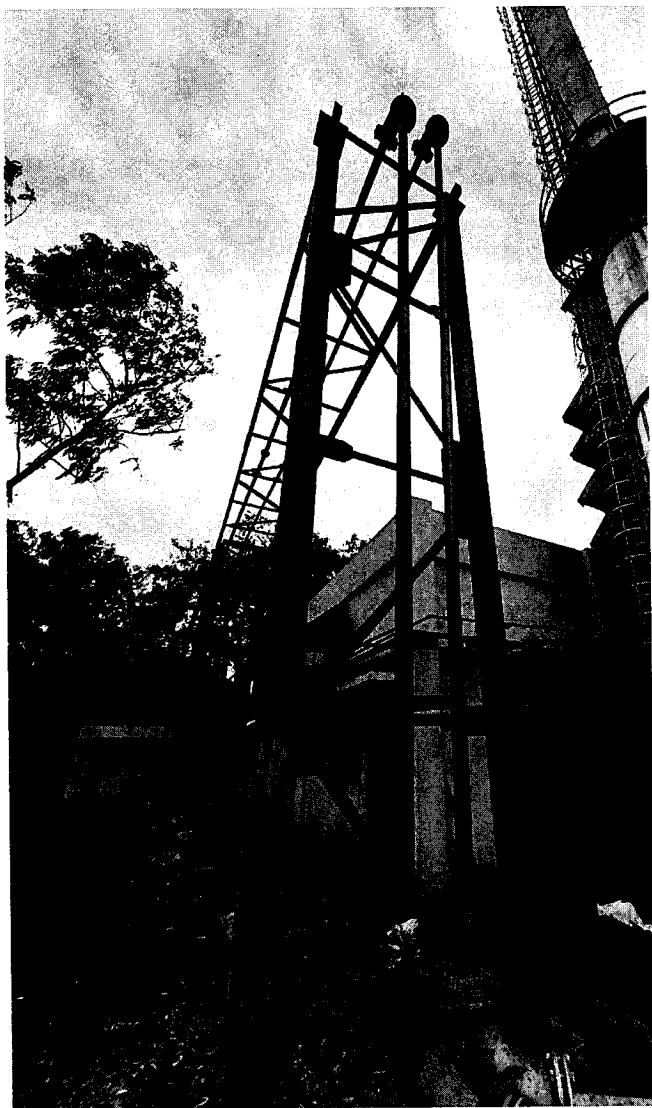


DENSE PHASE PNEUMATIC CONVEYING SYSTEM



NOTE: EVERYTHING IN RED IS IN CLIENT SCOPE.

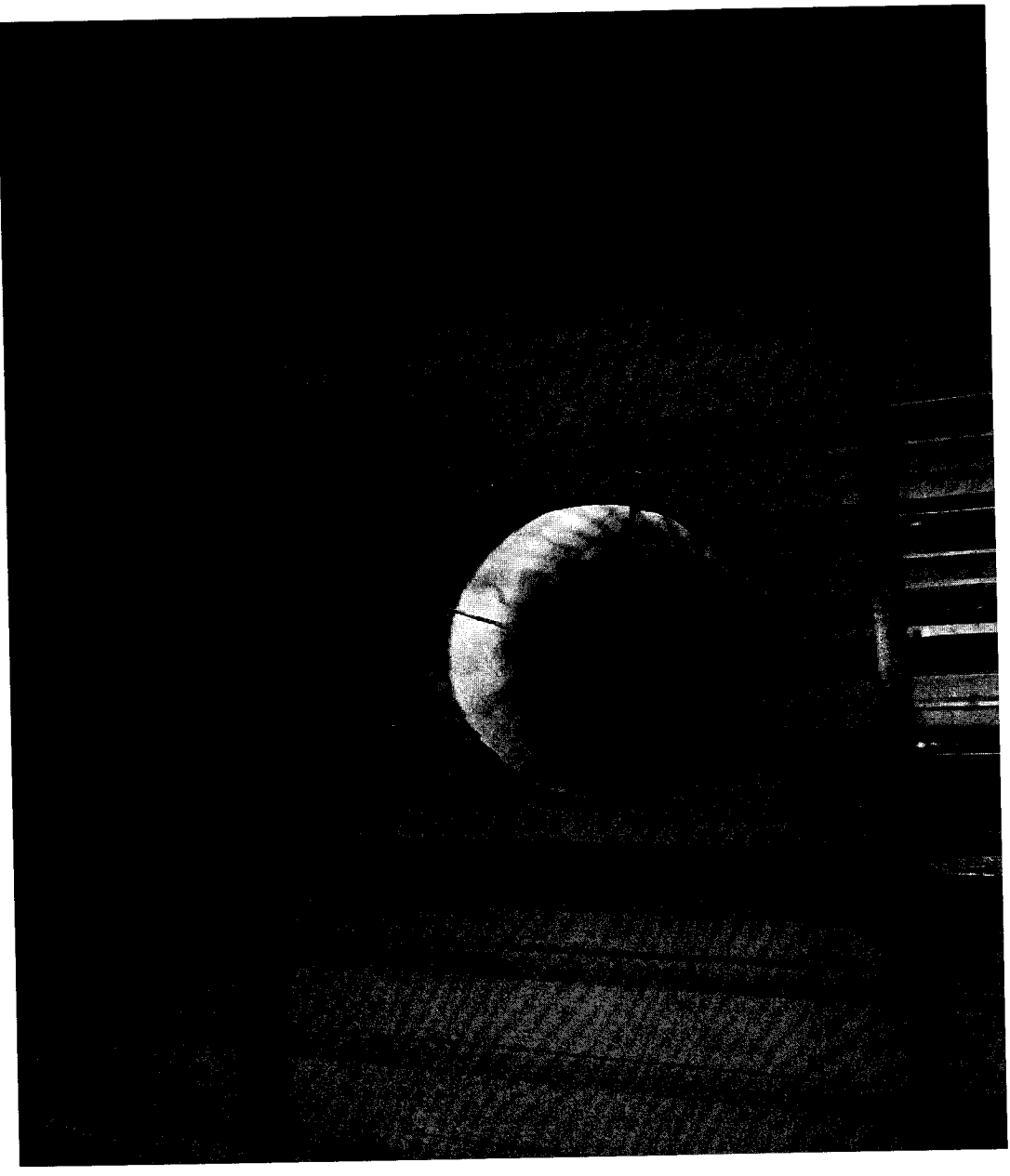
CLIENT		M/S. ASIAN PAINTS LTD.	
RIECO'S OFFER No.		9350_R0	
CLIENT'S P.O.No.			
		RIECO INDUSTRIES LTD. 1162/2 SHIVAJINAGAR BEHIND OBSERVATORY PLANE-411 005 (INDIA)	
TITLE <u>FLOWScheme FOR DENSE PHASE PNEUMATIC CONVEYING SYSTEM FOR FLY ASH HANDLING</u>			SIGNATURE _____ DATE _____
		DRAWN	SHWETA 19 06 2024
		CHECKED	NKHIL 19 06 2024
		APPROVED	NKHIL 19 06 2024
REFERENCE DRG. No.		SCALE	
REPLACES DRG. No.		NTS	
		DRAWING No	
		REV.	0
		SHEET	1 OF 1





Annexure 44
Hazardous Waste Shed
Ventilation Photo

Ventilation for Hazardous Waste Storage Shed.



Annexure 45

Safety Training Report



Asian Paints Limited
Penta Division
AN ISO 14001 &
OHSAS 18001 UNIT

TRAINING RECORD

Record No. [ER] [09] [TRNG-REC]

Name of the Training Programme: Chemical Safety

Date of Training: 30-5-2025 . Time: From 15:30 Hrs. To 16:30 Hrs.

Objective: Chemical Safety Awareness Enhancement.

Conducted By: Rekhi Bhatnagar

Topics Covered: MSDS, Chemical Hazard Programme, Classification of chemicals, measures

Any Handouts Issued: PPT.

Participants:		
S.No.	Name of the Participant	Remarks
1	J. Visuvanathan	Good/Useful
2	Praveen Kumar V	Useful
3	S. Mohan	Excellent programme
4	M. Sakthivel	Useful
5	D. Dharmaraj	Good
6	R. Sangeetha	Useful
7	Aravindhan	Most about chemical safety
8	Philip Babu	
9	R. Ravi P. S. H. K. P. A. T.	
10	Dharmadharan	Learned about chemical
11	V. Ramesh S. S. S. S. S.	
12	S. Chandrasekhar	Very good construction
13	M. M. M. M. M.	Is fine good
14	R. R. R. R. R.	Is fine good
15	P. P. P. P. P.	Is fine good
16	S. S. S. S. S.	Is fine good

SIGNATURE



TRAINING RECORD

Record No. [ER] [09] [TRNG-REC]

Date of Training:	20-05-2025	Time: From	15:30	Hrs. To	16:30	Hrs.
Objective :						

Objective:	1	20-03-2020	time: 11:01	12:50	Hrs. 10	10:30	Hrs.
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Conducted By:

Tonics Covered:

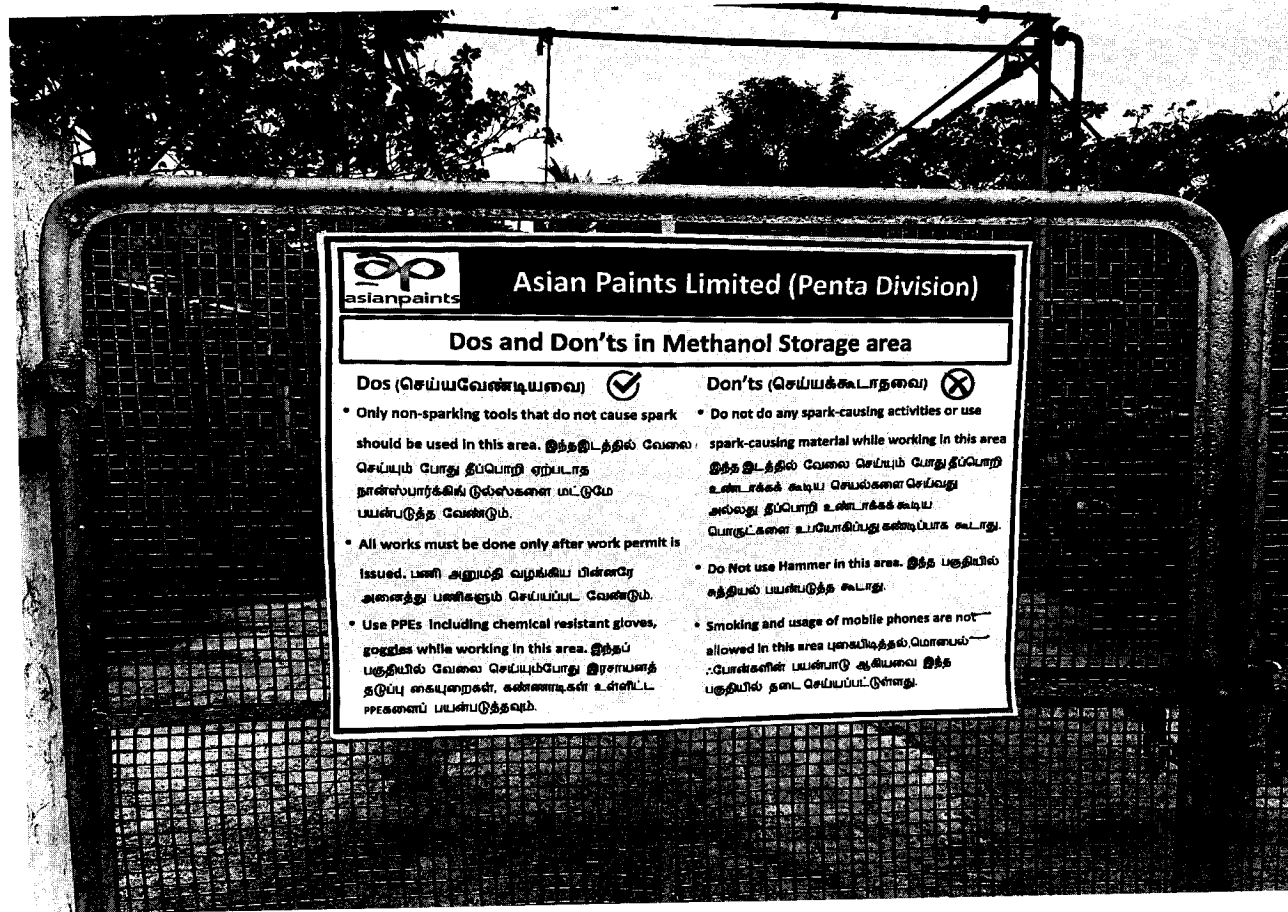
Participants:

[illegible]

SIGNATURE

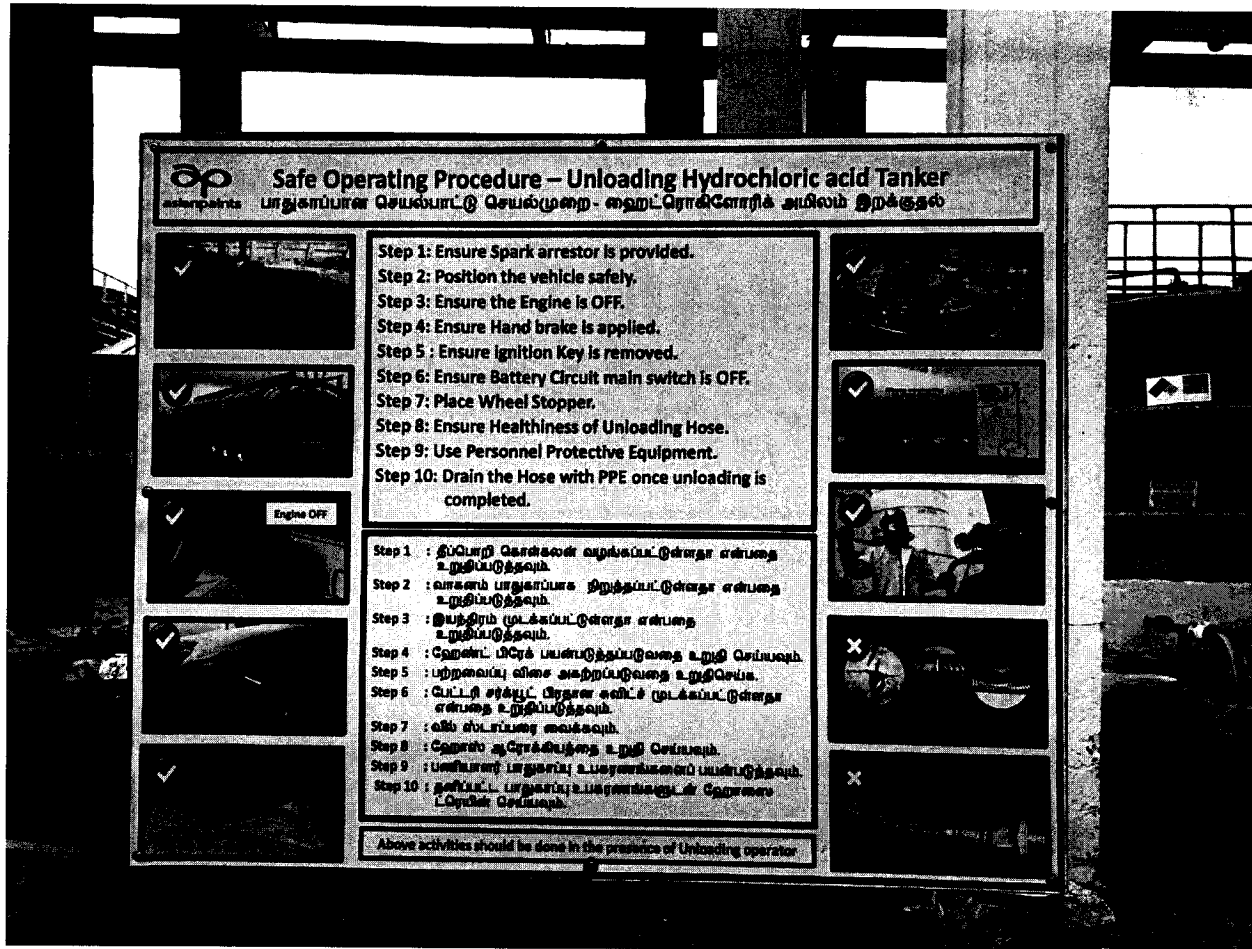
[Signature]

Signage displayed on Dos and Don'ts in methanol storage area



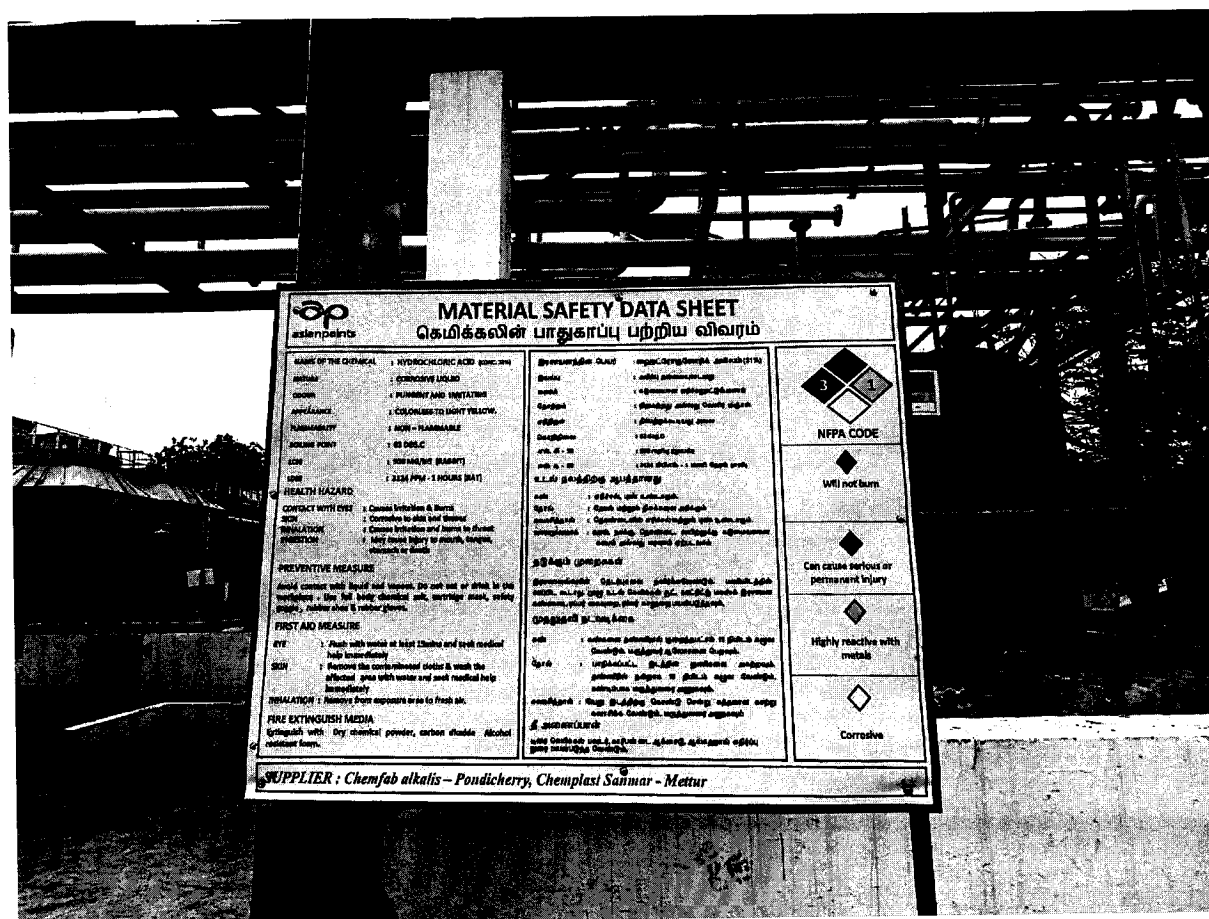
Displayed clear and informative signage outlining the Dos and Don'ts within the methanol storage area. These signs serve as constant reminders of safe handling practices, emergency procedures, and prohibited actions.

Safe unloading procedure for HCL tanker



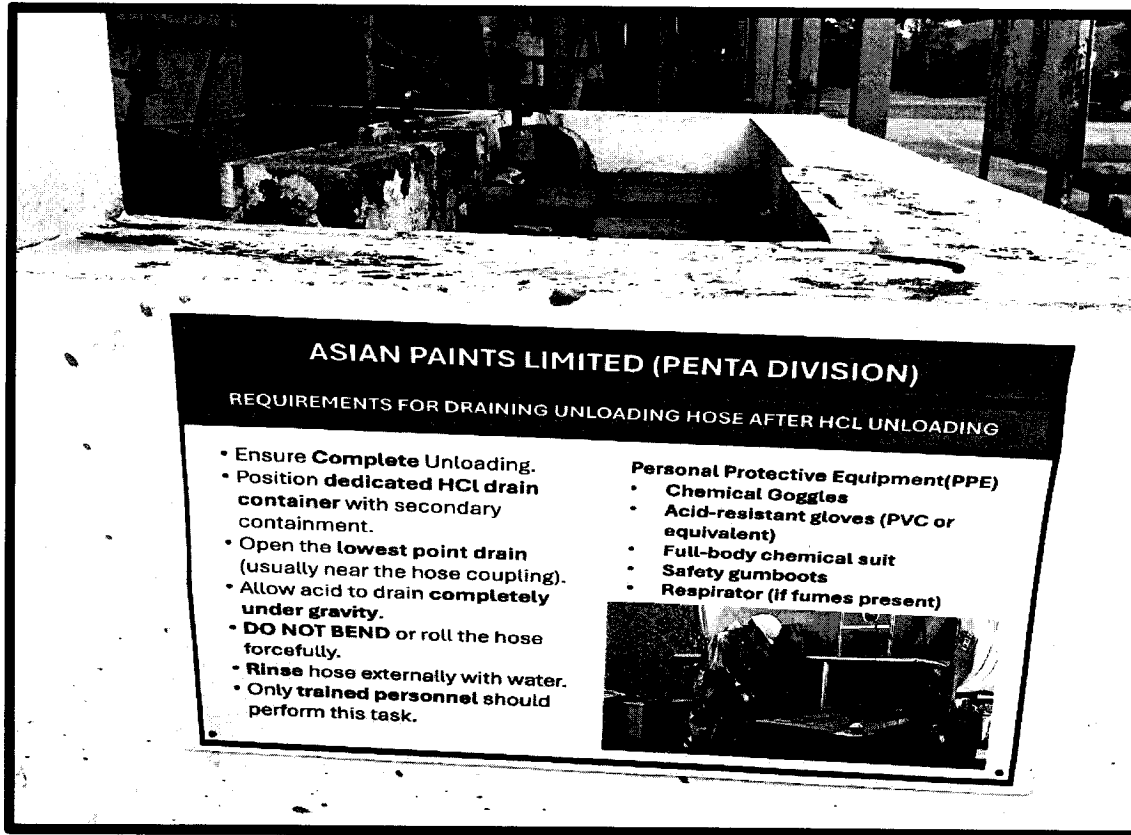
Displayed standardized safe unloading procedure for hydrochloric acid (HCL) tankers. This includes pre-unloading checks, use of appropriate PPE, grounding and bonding of the tanker, controlled hose connections, and continuous monitoring to prevent leaks or exposure.

Material safety data sheets in Tamil language



Displayed Material Safety Data Sheets (MSDS) at all relevant chemical handling and storage locations to ensure immediate access to critical safety information. These sheets provide essential details on chemical properties, hazards, first-aid measures, and emergency response procedures, promoting informed and safe handling by all personnel.

Signage displayed on safe handling of hydrochloric acid while draining the hold up material from the hose



Displayed caution signage near HCL unloading area to guide safe handling practices of hydrochloric acid, especially during draining of hold-up material from hoses.

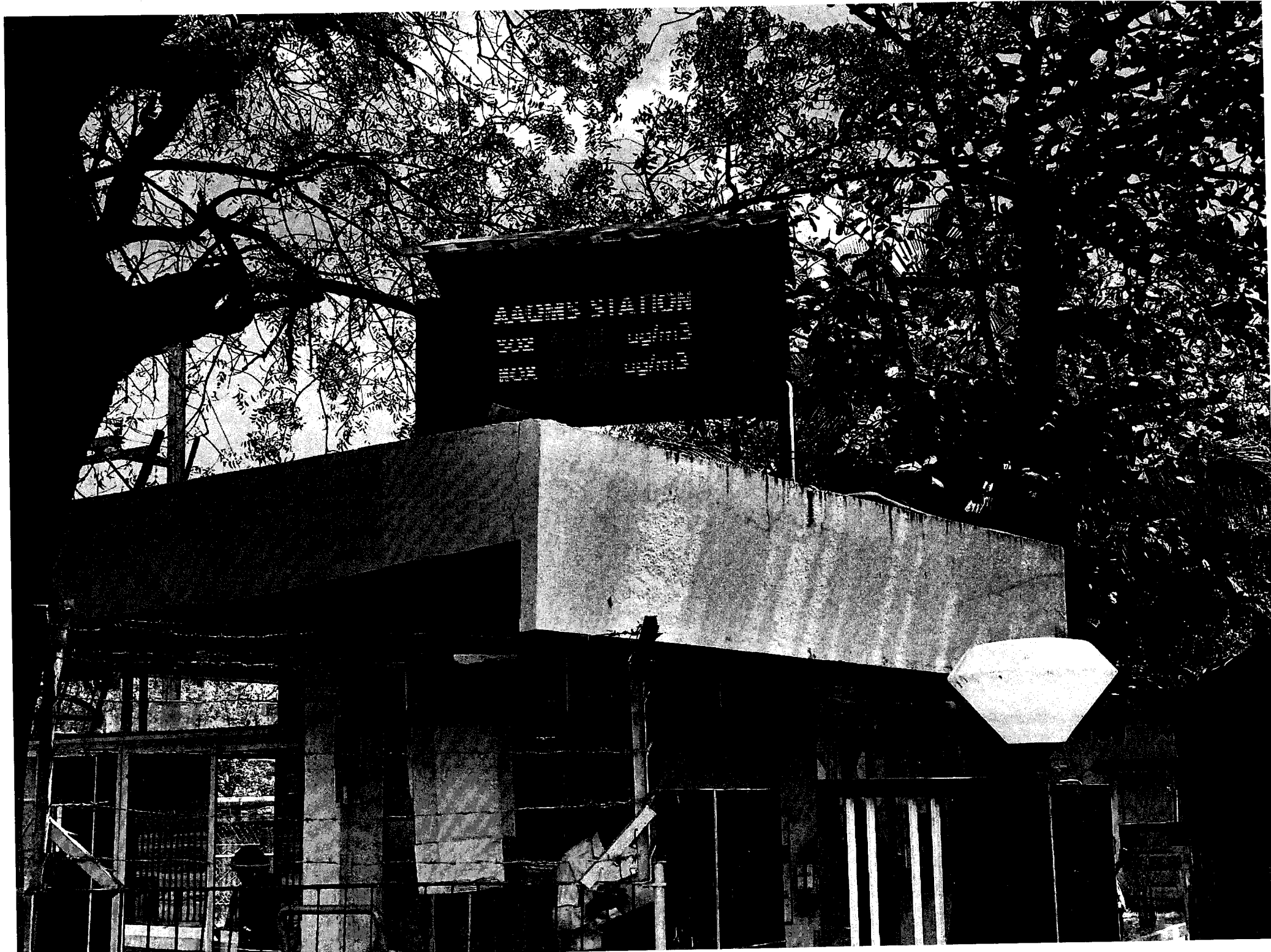
NFPA identification labels



NFPA identification labels were applied to each bulk chemical storage tank for creating awareness on health hazard ,fire hazards, reactivity hazards and special hazards.

Annexure 46

Digital Display at Main Gate



Annexure 47

Plant House Keeping Photos

Housekeeping inside Factory

