



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](mailto:investor.relations@asianpaints.com)  
For Customer queries / complaints / Dealership enquiries,  
email to [customercare@asianpaints.com](mailto:customercare@asianpaints.com)  
For HR related queries, email to [careers@asianpaints.com](mailto:careers@asianpaints.com)  
For Media related queries, e-mail to [proffice@asianpaints.com](mailto: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](http://www.asianpaints.com)

To

May 23, 2024

Member Secretary

State Environment Impact Assessment Authority

3<sup>rd</sup> Floor, Panagal Maligai

No.1, Jeenias Road

Saidapet, chennai- 600 015

Dear Sir

Sub: Half yearly compliance report for the period from October 2023 to March 2024.

Ref: EC of the existing operating unit (EC No. SEIAA/ TN/ F.6495/5(f)/ EC60/ dated 24/04/2018.

We are enclosing Half yearly compliance report for the above-mentioned Environmental Clearance applicable to our unit for the period of October 2023 to March 2024 – Captive Power Plant.

Thanking you

Yours Truly

  
P. Jayakanthan

Senior Production Manager



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Officer in charge, Regional Directorate

28<sup>th</sup> May 2024

Central Pollution Control Board,

2<sup>nd</sup> Floor ,No. 77 – A, South Avenue Road, Ambattur Industrial Estate,

Ambattur Taluk, Thiruvalluvar District, Chennai –600 058.

Dear Sir / Madam

Sub: Half yearly compliance report for the period from October 2023 to March 2024 –Captive Power plant.

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To

May 23, 2024

Deputy Director General of Forests (C),

Ministry of Environment, Forest and Climate Change,

Integrated Regional Office, 1<sup>st</sup> Floor, Additional Office Block for GPOA, Shastri Bhawan,  
Haddows Road, Nungambakkam, Chennai – 600006

Dear Sir / Madam

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To

May 23, 2024

Joint Chief Environmental Engineer (M)  
Tamil Nādu Pollution Control Board,  
14 B/2 , Bethel Tower,  
Manjakuppam, Cuddalore – 607001.

Dear Sir

Sub: Half yearly compliance report for the period from October 2023 to March 2024.

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To

May 23, 2024

Member Secretary

Tamil Nādu Pollution Control Board,

76, Mount Salai,

Guindy, Chennai – 600032.

Dear Sir / Madam

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Thanking you

Yours Truly

  
P. Jayakanthan

Senior Production Manager

## **Annexure 1 – EC COMPLIANCE**

✓



THIRU A.V. VENKATACHALAN, 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. 6495/5(D)/EC - 60/2018 dated: 24.04.2018.**

To

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

Sir,

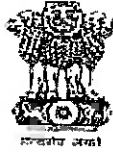
Sub: SEIAA -TN -Environmental Clearance-Expansion in production of Pentaerythritol and Sodium Formate by M/s. Asian Paints Limited in their existing plant at Plot No. B5 - B 10, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore, Tamil Nadu - Category - "B1" and Schedule 5(f)-Synthetic Organic Chemical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

- Ref: 1. ToR issued by MoEF&CC F.No.J-11011/181/2017-IA-II(I) dated 21.12.2017.  
2. EIA report submitted for Environment Clearances dated: 25.01.2018.  
3. Lr. No.SEIAA-TN/F.No. 6495/2018 dated: 08.02.2018.  
4. Proponent reply letter dated 14.02.2018.



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*(3/4)*





5. Minutes of the 103<sup>rd</sup> SEAC meeting held on 24.02.2018.
6. Minutes of the 104<sup>th</sup> 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 286<sup>th</sup> SEIAA meeting held on 16.04.2018.
10. Proponent reply letter dated 20.04.2018.
11. Minutes of the 290<sup>th</sup> SEIAA meeting held on 23.04.2018.
12. Minutes of the 291<sup>st</sup> 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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- 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 Environment 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 286<sup>th</sup> 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:  (ii) Date of Application:	(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) 25.01.2018.
2	Name of Sector: Schedule No(in the EIA Notification,2006)	Schedule S.No. 5(f) 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, Kudikaddu



  
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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)	<table><tr><td>Total Land Area</td><td>29.2 acres (11.8 Ha)</td></tr><tr><td>Plotted industrial area</td><td>5.6 acres (2.27 Ha)</td></tr><tr><td>Green belt area</td><td>15.7 acres (6.35 Ha)</td></tr><tr><td>Roads</td><td>2.6 acres (1.05 Ha)</td></tr><tr><td>Lawn and garden</td><td>5.3 acres (2.14 Ha)</td></tr></table>	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)
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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	specify the details)	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 Environment Clearance.		
10	Project Cost (after expansion)	Rs. 4.8 Crores		
11	Distance from Protected areas 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 after 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.		



*[Signature]*  
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	<p>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 Cannizaro 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.</p> <p>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,</p>
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	<p>purification, separation and drying. The reactor product is fed to the stripper to remove the traces of un-reacted Methanol &amp; 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.</p> <p><b>Sodium Formate:</b></p> <p>The filtrate from Crude Belt Filter (CBF) is stored in a Tank and fed continuously to the Sodium Formate Evaporator cum</p>
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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 Pentaerythritol 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><tr><th>S. No</th><th>Activity</th><th>Quantity (KLD)</th></tr><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>FII 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></table> <p>Source of water - SIPCOT</p>	S. No	Activity	Quantity (KLD)	1.	Domestic	45	2.	Gardening	40	3.	Coal/ vegetation wetting	32	4.	FII 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
S. No	Activity	Quantity (KLD)																																				
1.	Domestic	45																																				
2.	Gardening	40																																				
3.	Coal/ vegetation wetting	32																																				
4.	FII 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																																				
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	<ul style="list-style-type: none"><li>ETP Capacity 250 KLD.</li><li>Total Effluent generation - 131 KLD.</li></ul>																																				



  
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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 co processors to be sought for reuse/ recycle of solid wastes
		Used insulation materials		4100	
		Used HDPE bags		5200	
		Used Filter Clothes		3000	
		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		172Tons/annum	TSDF  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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**SEIAA-TN**



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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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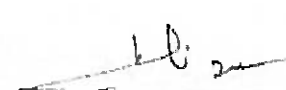
STATE LEVEL ENVIRONMENTAL IMPACT ASSESSMENT AUTHORITY-TN | 2018

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	EMP 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 14<sup>th</sup> 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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(A) SPECIFIC CONDITIONS:

- (i) It is mandatory for the project proponent to furnish to the SELAA, Half yearly compliance report in hard and soft copies on 1<sup>st</sup> June and 1<sup>st</sup> 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 SELAA, 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 laid 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.



*[Signature]*  
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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.



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- (xxvi) Detail study shall be carried out by engaging accredited agencies / reputed institutions for Risk management and detailed Disaster management plan prepared for compliance.
- (xxvii) Sufficient funds should be provided for Disaster management.
- (xxviii) 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 silo 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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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.

- (xxv) The Activity of the industry should no way pollute water bodies such as Uppanar River, Perumal Lake & Bay of Bengal.
- (xxvi) The Activity of the industry should not impact on agricultural, irrigation system and mangroves surrounding the area.
- (xxvii) 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.
- (xxviii) There should be no threat to Bio diversity due to the operation of the industry.
- (xxix) 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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- (iii) *Thespesia populnea*- Poovarasu
  - (iv) *Terminalia arjuna*- Neermarudu
  - (v) *Ficus bengalensis* - Alamaram
  - (vi) *Ficus retusa*- Anthi
  - (vii) *Ficus bengalensis*- Arasamaram
  - (viii) *Alstonia scholaris*- Palai
  - (ix) *Mimusops elengi*- Mahilam
  - (x) *Madhuca longifolia*-Izhupai
- (xlv) 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 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.
  - 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.



  
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- 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.

(xivii) 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 m<sup>3</sup> to 10.5 m<sup>3</sup>.
- 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.



  
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- 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-à-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, SO<sub>2</sub> 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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- 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, SO<sub>2</sub>, NO<sub>x</sub> (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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- xvii. The environmental statement for each financial year ending 31<sup>st</sup> 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.



  
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- 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.

  
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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, Parivesh Bhavan,  
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, Nungampakkam,  
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.



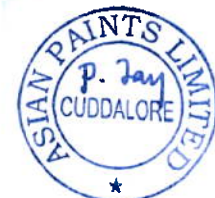
**Compliance to the Conditions stipulated in the Environmental Clearance for M/s. Asian Paints Limited – at Plot No. B5 - B10 SIPCOT Industrial Complex, Kudikadu village, Cuddalore Taluk, Cuddalore District issued by SEIAA on 24.04.2018**

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

We M/s Asian Paints Limited, Penta division, Cuddalore plant obtained Environment Clearance from SEIAA Tamilnadu on 24<sup>th</sup> April 2018. The mandated requirements prior to increase in production to the revised consented quantity were fulfilled and then manufacturing to higher production was started.

**(A) Specific Conditions:**

S.No	Condition	Compliance
i.	It is mandatory for the Project Proponent to furnish to the SEIAA, half yearly Compliance report in hard and soft copies on 1 <sup>st</sup> June and 1 <sup>st</sup> December of each calendar year in respect of the conditions stipulated in the prior Environmental Clearance issued.	We here by confirm that, we have submitted half yearly compliance with respect of the conditions stipulated in the Environmental Clearance in hard and soft copy submitted to the SEIAA.
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.	We have obtained Consent to operate Expansion for our unit as expansion is based predominantly on de-bottlenecking.
iii.	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.	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. The CSR activities were carried out by rejuvenating water bodies in Krishnanankuppam Panchayat, Primary Health Centres at Kudikadu, Karikadu, Echankadu and Pachayankuppam Villages. Tree Plantation and Maintenance activities were also carried out. All sewage effluents are treated in Sewage Treatment Plant within our unit. We Hazardous waste authorization





		valid till 31 <sup>st</sup> March 2024. Application is submitted for renewal.
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.	We hereby confirm that the details of residue collected from the evaporator is documented and monitored with register.
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.	Adequate dust extraction system such as ducting with dust extracting arrangement is already available in Techpentaerythritol, Mono Pentaerythritol , Di Pentaerythritol & Sodium Formate drier. Pulmonary Function Test is being carried out regularly for the employees and health standards are being monitored. 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.
vi.	The proponent shall carryout best housekeeping practices as spillage management for handling and maintenance of raw materials and products inside the unit premises.	We carry best housekeeping practice to avoid spillage while handling and maintenance of raw materials and products.
vii.	Nature of chemicals Handled, the Do and Don'ts shall be displayed at all vital locations as laid down in MSDS.	Nature of chemicals Handled, the Do and Don'ts has been displayed at all vital locations as laid 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.	All Hazardous Waste generated are disposed to the TSDF and records are available.
ix.	The proponent shall provide a separate closed area earmarked for storing solid waste including Hazardous Waste as proposed.	We state that, a dedicated closed shed has been established for storing solid waste and Hazardous Waste.



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.	All Hazardous Wastes have been disposed as per the Hazardous and other Wastes (Management and transboundary Movements) Rules. 2016 to M/s Resustainability IWM Solutions & M/s GGEPIL. Spent oil from DG sets is being stored in drums in an isolated covered facility and disposed through TNPCB authorized recyclers (M/s Laxmi & Co.).
xi.	The Plastic wastes shall be segregated and disposed as per the provisions of Plastic Waste (Management & Handling) Rules 2016	We state that, generated plastic wastes are being segregated and disposed as per the provisions of Plastic Waste (management & handling) rules 2016 to authorized recyclers.
xii.	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.	We state that, generated E-waste is being collected and disposed to authorized e-waste center (M/s Tess Amm Pvt Limited) as per e waste (Management & Handling), Rules 2016.
xiii.	The Municipal solid waste generated shall be collected, segregated and disposed as per Solid Waste Management Rules,2016.	Generated municipal solid waste is being collected, segregated as biodegradable and non-bio-degradable waste 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 <sub>10</sub> , PM <sub>2.5</sub> , SO <sub>x</sub> , NO <sub>x</sub> ) through TNPCB/NABL Accredited Laboratory and maintain records of the same and it should be made available at the time of inspection.	We confirm that, we are conducting AAQ survey (PM <sub>10</sub> , PM <sub>2.5</sub> , SO <sub>x</sub> , NO <sub>x</sub> ) by TNPCB Lab /NABL accredited Laboratory once in six months. The records of the same are maintained and are 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	We confirm that, we are carrying out air quality, water quality and noise monitoring on the selected locations of the factory premises once in six months through TNPCB



	maintained.	and once in a quarter through external Lab.
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.	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.
xvii.	The Green belt area already developed within the project area shall be properly maintained.	We here by confirm that we have developed and maintaining a Green belt area of 4.5 hectare (about 40%) within the premises.
xviii.	The industry shall promote tree plantation to neutralize their carbon foot print. The industry shall engage regularly in afforestation programme.	We confirm that we had planted and maintaining 14,500 trees inside the factory premises. The industry is engaging regularly in afforestation programme within and beyond the fence as per the SIPCOT requirements. The Photographs of the Green Belt is attached.
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.	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.
xx.	The industry shall conduct air sampling at least twice in a week (104 times in a year), as stipulated under EP Act 1986.	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.
xxi.	Risk cum disaster management plan should be in place in the industry premises at all time.	We confirm that the Risk cum disaster management plan is available in the industry premises at all time in the Emergency control center.
xxii.	Water conservation scheme including rain	We state that water conservation



	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.	scheme including rain water harvesting including roof water has been implemented in the factory premises.
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.	We confirm that adequate and suitable storm water drains are provided in the factory premises considering the Catchment area and maximum intensity of rainfall and the runoff water/rain water collected 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.	We state that we abide by the said conditions.
xxv.	All the assurances given in EIA and EMP shall be adhered to strictly.	We state that we have been abiding by the said conditions.
xxvi.	Detail study shall be carried out by engaging accredited agencies / reputed institutions for Risk management and detailed Disaster management plan prepared for compliance.	We confirm that Risk and Disaster management study has been carried out by accredited agency and suitable plan has been prepared and complied.
xxvii.	Sufficient funds should be provided for Disaster management.	We assure that the dedicated budget is provided for Disaster management plan every year. Public Liability Insurance is obtained from Iffco Tokio Insurance company.
xxviii.	The Project Proponent shall provide disinfection by UV system for the sewage treatment plant for treating the sewage before applying on land for gardening.	We state that UV disinfection system has been provided for our existing sewage treatment plant.
xxix.	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,	We confirm that Closed loop silo for ash handling has been installed and it is operational condition.
xxx.	The project proponent shall provide sufficient ventilation (air circulation) in the	We confirm that sufficient ventilation (air circulation – 1 no. of



	hazardous waste storage yard where the hazardous waste like spent carbon, Chemical sludge, used or spent oil are being kept.	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.
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.	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.
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.	We confirm that the safety audit is being conducted once in a year by competent person.
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.	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.
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 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.	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.
xxxv.	The activity of the industry should no way pollute water bodies such as Uppanar River, Perumal Lake & Bay of Bengal.	We confirm that in no way the activity of the industry pollute the nearby water bodies. All treated water is being reused.
xxxvi.	The Activity of the industry should not impact on agricultural, irrigation system and mangroves surrounding the area.	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.
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 a separate account and the head wise expenses statement shall be submitted to TNPCB with a copy to SEIAA annually.	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. The approved budget spent for Environmental activities along with the expense details are submitted to TNPCB with a copy to SEIAA.
xxxviii.	There should be no threat to Bio diversity due to the operation of the industry.	Bio-diversity with birds with natural habitat in the green belt maintained. Different tree varieties are planted. 1. Calophylluminophyllum-Pungan 2. Syzygiumcumini- Naval 3. Thespesiapopulnea- Poovarasu 4. Terminalia arjuna- Neermarudu 5. Ficusbengalensis — Alamaram 6. Ficusretusa- Atthi 7. Ficusbengalensis- Arasamaram 8. Alstoniascholaris- Palai 9. Mimusopselengi - Mahilam 10. Madhucalongifolia - Ihupai
xxxix.	The Flora & Fauna present in and around the project site should not get affected due to the activity as reported.	Butterfly 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 are present.



xi.	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.	We state that we had provided rain water harvesting tank of 200 cu.m capacity within the plant. We also have 20,000 cum rain water harvesting facility beyond the fence (in Sedapallam, Agraharathu Eri, T Palayam)
xli.	The operation of the activity should not Impact on the soil, micro flora & Fauna present in and around the project site.	We state that the operation of the activity has no Impact on the soil, micro flora & Fauna present in and around the Factory premises.
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.	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.
xliii.	The industry shall develop green belt in the open areas by planting the following species in future: 1. Calophylluminophyllum-Pungan 2. Syzygiumcumini- Naval 3. Thespesiapopulnea- Poovarasu 4. Terminalia arjuna- Neermarudu 5. Ficusbengalensis — Alamaram 6. Ficusretusa- Atthi 7. Ficusbengalensis- Arasamaram 8. Alstoniascholaris- Palai 9. Mimusopselengi - Mahilam 10. Madhucalongifolia - Ihupai	We state that we had planted 14,500 trees in 4.5 Hectares of the factory premises.
xliv.	The project proponent shall take up better housekeeping measures including scraps disposal and up keeping the machineries, pipes etc.	Asian Paints is adhering with the practice as per 5S management system for housekeeping.
xlvi.	The proponent should continuously monitor the VOC and ensure that VOC levels are within permissible limits.	We confirm that we had already installed online VOC monitoring system in our plant and the same is connected to CARE AIR CENTRE, TNPCB, GUINDY We maintain VOC levels within the permissible



		limit.
xlvi.	<p>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.</p> <ol style="list-style-type: none"> <li>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.</li> <li>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.</li> <li>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.</li> </ol>	<p>We ensure that the air pollution control system has been established in the following locations.</p> <ol style="list-style-type: none"> <li>1. The existing TECH PE Drier bag filter capacity has been increased from 74.30 m<sup>2</sup> to 75.46 m<sup>2</sup> thereby capable to handle pollution load to 1.72 Kgs / day</li> <li>2. The low capacity wet scrubber has been replaced with higher capacity wet Scrubber thereby improving the scrubbing efficiency as recommended.</li> <li>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. <ol style="list-style-type: none"> <li>1. Mono PE Scrubber – 6 litres per minute (lpm) to 6.5 lpm</li> <li>2. Di PE Scrubber – 7.5 lpm to 8 lpm.</li> </ol> </li> </ol>
xlvi.	<p>The project proponent has to provide/ install the following -before 30.04.2018 as committed and furnish proof of the same to SETAA-TN :</p> <ol style="list-style-type: none"> <li>1. The Sewage sludge bed capacity should be increased from 5.27 m<sup>3</sup> to 10.5 m<sup>3</sup> .</li> <li>2. The sludge drying bed 2. Nos should be provided in addition to the existing Sludge drying bed for managing sludge .</li> <li>3. The agreement with hazardous waste management and disposal facilities shall be made including the quantum of hazardous waste and the life period.</li> </ol>	<p>We confirm that we have installed the below mentioned activities before 30.04.2018:</p> <ol style="list-style-type: none"> <li>1. We state that the sludge bed capacity has been increased from 5.27 m<sup>3</sup> to 10.5 m<sup>3</sup> as recommended.</li> <li>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</li> </ol>





		has got increased, which meets the said requirement.
		3. The agreement has been amended for the quantum of Hazardous waste with life period.

**(B) General Conditions**

S.No	Condition	Compliance
1.	This Environment clearance shall not be cited to relax any other rules applicable to this project	Agreed upon.
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 <a href="http://www.seiaa.tn.gov.in">Http://www.seiaa.tn.gov.in</a>	Information on accordance of the Environment clearance to the project has been published in two local newspapers.
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.	A copy of the Environment clearance has been submitted to local body and local NGO
4.	The Environmental clearance shall also be put on the website of the company	The Environment clearance has been published in Company web site.
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 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	Agreed upon and followed
6.	All the environmental protection measures and safeguards as recommended in the EIA report shall be complied with	All Environmental protection measures and safe guards are complied with.
7.	The implementation of the project vis a vis	Half yearly compliance report is



	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	being submitted once in 6 months as per the time lines.
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, SO <sub>2</sub> and No <sub>x</sub> outside the premises at the appropriate place for the general Public	The datum on ambient air, stack and fugitive emissions are being submitted as per the time lines. Data on RSPM, SO <sub>2</sub> and No <sub>x</sub> are displayed near the factory gate for the general Public.
9.	Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per the factories act	Occupational health surveillance of the workers is being carried out on regular basis and records are maintained as per the factories act.
10.	Proper housekeeping and cleanliness must be maintained within and outside plant	Housekeeping is being done inside and outside the plant.
11.	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 center shall be strengthened and the medical records of each employee should be maintained separately.	Occupational health surveillance programme is being undertaken for all employees specifically for those engaged in handling hazardous substances. The occupational health center is equipped with full-fledged first aid facilities and the medical records of the employees are being maintained.
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 (Night time)	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 TNPCB and all the measured values are within the permissible limits (ROA is enclosed).
13.	The actual CSR funds utilized in future should at least be 2% of the annual profit but not less than	The CSR activities were carried out and completed as per the



	Rs.33.60 Lakh per annum	commitment of not less than 33.60 Lakhs per annum. Details are enclosed. 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.	A separate environmental Management cell equipped with full-fledged laboratory facilities to carry out the various environmental management activities and monitoring functions is available.
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.	Agreed upon & followed.
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 <sub>2</sub> , Nox (Ambient levels as well as stack emissions) or critical sector parameters, indicated for the projects shall be monitored and displayed at a convenient locations near the main gate of the company in the public domain.	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 MoEFCC, respective zonal office. The pollutant levels namely RSPM, SOX, NOX (Ambient levels as well as stack emissions) are monitored and displayed near the main gate of the company in the public domain.
17.	The environmental statement for each financial year ending 31 <sup>st</sup> 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	The environment statement for each financial year ending 31 <sup>st</sup> 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

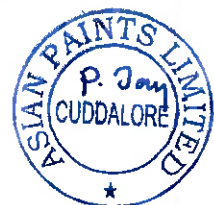


	and shall also be sent to the respective regional offices of the MoEF by e mail.	and also published in the company website along with the compliance of environmental conditions and the same is being sent to the respective regional offices of the MoEF CC.
18.	The environmental Clearance is valid for 7 years from the date of issue	Agreed upon.
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	Agreed upon.
20.	The SEIAA TN may alter/modify the above conditions or stipulate any further condition in the interest of Environment protection	Agreed upon.
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.	Agreed upon.
22.	The SEIAA TN may revoke or suspend the Environmental clearance, if implementation of any other above conditions is not satisfactory	Agreed upon.
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 SEIAA, 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.	Agreed upon.
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.	Agreed upon.
25.	This SEIAA – TN reserves the right to stipulate additional conditions if found necessary. The	Agreed upon.



	industry in a time bound manner shall implement these conditions	
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 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.	Agreed upon.
27.	Any appeal against this environmental clearance shall lie with the Hon'ble national green tribunal, if preferred, with in a period of 30 days as prescribed under section 16 of the National Green Tribunal Act 2010.	Agreed upon.

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**Compliance report on the latest Consent to Operate order conditions stipulated under  
Air & Water Acts issued to the unit.**

**M/s. Asian Paints Limited (Captive Power plant)  
AIR ACT for the period September 2023 to March 2024**

Consent Order No. 2308249445285 Dated: 19/04/2023.  
Proceedings No. T2/TNPCB/F.0388CUD/RL/CUD/A/2023 Dated: 19/04/2023.

**SPECIAL ADDITIONAL CONDITIONS**

S.No.	Condition	Compliance
1.	The unit shall obtain No Objection Certificate (NOC) from the Tamil Nadu Biodiversity Board /National Biodiversity Authority if the unit is using any Biological resources or knowledge associated thereto as per the provisions of Biological Diversity Act 2002.	We are in notified industrial zone and hence No Objection Certificate (NOC) from Tamil Nadu Biodiversity Board is not applicable.

**ADDITIONAL CONDITIONS**

S.No.	Condition	Compliance
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.	Air Pollution Control measures like Bag filters fitted in Boilers are efficiently and continuously operated and maintained. National ambient air quality / emissions standards as prescribed by MoEF & CC are achieved.
2.	The unit shall achieve the ambient noise level standards prescribed by the Board.	We are achieving the ambient noise level standards prescribed by the Board. <i>Details of analysis are enclosed.</i>
3.	The unit shall conduct the Ambient Air Quality/Stack Emission/Fugitive Emission/Ambient TVOC survey through MoEF approved Laboratory once in three months and furnish the report to the Board.	We are conducting the Ambient Air Quality/Stack Emission/ Fugitive Emission/ Ambient TVOC survey through MoEF approved Laboratory once in three months and we are furnishing the report to the Board. <i>Copy of quarterly analysis report is enclosed.</i>
4.	The unit shall continue to develop more green belt in and around the premises.	We are having 15000 trees sapling within the campus. We are



**Compliance report on the latest Consent to Operate order conditions stipulated under  
Air & Water Acts issued to the unit.**

		maintaining nursery to develop more green belt within and around the premises. <i>Photographs are enclosed.</i>
5.	The unit shall calibrate and maintain the online continuous emission monitoring system once in six months and upload quality data to the CAC, Tamil Nadu Pollution Control Board, and Chennai without any interruption.	We maintain and regularly calibrate the online sensors provided for the emission parameter PM, SO <sub>x</sub> and NO <sub>x</sub> and <i>calibration details are enclosed.</i> Transmission of quality data to the CAC of TNPCB, Chennai is ensured.
6.	The unit shall dispose the Ash generated from the Boiler to the cement industries/fly ash brick manufacturers then and there without accumulation, and to comply with all the provision of the fly ash notification 1999 as amended.	We dispose the Ash generated from the Boiler to the cement industries/fly ash brick manufacturers then and there without accumulation, and to comply with all the provision of the fly ash notification 1999 as amended.
7.	The unit shall complete all the works as per the timeline furnished vide their letter dated 30.03.2023	The commitment letter submitted and the compliance to the commitment letter submitted has been enclosed.
8.	<p>The unit shall operate and maintain the following measures for control of fugitive emission.</p> <p>Coal handling plant:</p> <ol style="list-style-type: none"> <li>To store the coal in a complete closed shed to reduce the emission due to wind.</li> <li>Totally enclosed coal conveyors to prevent wind erosion.</li> <li>Dust extraction systems at various dust emanating sources such as coal crusher, coal bunker, ash silo and all transfer points.</li> <li>Water sprinklers at various places in coal handling areas for wetting of coal.</li> <li>Coal movement inside the plant by covered coal conveyors only.</li> <li>Black topped roads inside the plant to</li> </ol>	Complied. The photographs of the Coal handling plant and Ash handling plant are enclosed.



**Compliance report on the latest Consent to Operate order conditions stipulated under  
Air & Water Acts issued to the unit.**

	<p>prevent dust emission due to vehicular movement.</p> <p>Ash handling plant:</p> <ol style="list-style-type: none"> <li>Dust collectors at various places such as Electrostatic Precipitators, Air preheater, Economizers.</li> <li>The total dust collection system should be a closed one to prevent exposure of fly ash to atmosphere.</li> <li>The dry fly ash loading system for ash silos to load the closed vehicle for transportation to beneficial users</li> </ol>	
9.	The unit shall be liable to pay the consent fee and shall remit the difference in amount in case of any revision of consent fee by the Government.	Agreed to Comply
10.	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.	We submit Environmental Statement for the financial year ending the 31 <sup>st</sup> March in Form-V as per the Rule 14 of the Environment (Protection) Rules, 1986.
11.	The unit's activity shall not attract any complaint from the nearby public.	Agreed to Comply.
12.	This consent order does not absolve from obtaining necessary permission/clearance from other Authority or under other statues as applicable.	Noted.





**Compliance report on the latest Consent to Operate order conditions stipulated under  
Air & Water Acts issued to the unit.**

**M/s. Asian Paints Limited (Captive Power plant)  
WATER ACT for the period September 23 to March 24**

Consent Order No. 2308149445285 Dated: 19/04/2023.

Proceedings No. T2/TNPCB/F.0388CUD/RL/CUD/W/2023 Dated: 19/04/2023.

**SPECIAL ADDITIONAL CONDITIONS**

S.No.	Condition	Compliance
1	The unit shall obtain No Objection Certificate (NOC) from the Tamil Nadu Biodiversity Board /National Biodiversity Authority if the unit is using any biological resources or knowledge associated thereto as per the provisions of Biological Diversity Act 2002.	We are in notified industrial zone and hence No Objection Certificate (NOC) from Tamil Nadu Biodiversity Board is not applicable.

**ADDITIONAL CONDITIONS**

S.No.	Condition	Compliance
1.	The unit shall operate and maintain the Sewage Treatment Plant provided in the main plant (M/s. Asian Paints Limited - Penta Division) efficiently and continuously so as to bring the quality of the treated sewage to satisfy the standards prescribed by the Board.	STP is well maintained and operated efficiently. Quality of STP water is satisfying the standards prescribed by the Board.
2.	The unit shall operate and maintain the Effluent Treatment Plant with Zero Liquid Discharge System provided in the main plant (M/s. Asian Paints Limited - Penta Division) efficiently and continuously so as to satisfy the standards prescribed by the Board.	We operate and maintain the ETP with Zero Liquid Discharge system efficiently and continuously so as to satisfy the standards prescribed by the Board.
3.	The industry shall maintain and regularly calibrate the online effluent monitors to transmit quality data to WQW, TNPCB, Chennai.	We maintain and regularly calibrate the online monitors to transmit quality data to WQW, TNPCB, Chennai. Calibration records are maintained.
4.	The unit shall to maintain the EMFM with computer recording arrangements provided in the Zero Liquid Discharge plant and furnish the data to the Board.	EMFM reading are recorded in the computer and is maintained.
5.	The unit shall ensure to maintain the online pH	Online pH and TDS meter is



**Compliance report on the latest Consent to Operate order conditions stipulated under  
Air & Water Acts issued to the unit.**

	and TDS meter provided in the storm water drains so to ensure that no chemical contamination takes place during rains outside the premises.	provided in storm water drain and monitored so that no chemical contamination is taking place.
6.	The unit shall maintain the rainwater harvesting facility for all the buildings so as to recharge the ground water	We maintain rainwater harvesting facility for all the building to recharge the ground water.
7.	The unit shall dispose the boiler ash then and there without accumulation for further beneficial use.	We dispose the boiler ash then and there without accumulation for further beneficial use.
8.	The biodegradable solid waste, non-biodegradable solid waste generated from screening process, STP sludge, etc. generated from the project activity shall be properly collected, segregated and disposed as per the provision of Solid waste (Management and Handling)Rules,2016	The bio-degradable wastes are processed, dried and used as manure within the site. non-biodegradable solid waste generated from screening process, STP sludge, etc. generated from the project activity shall be properly collected, segregated and disposed as per the provision of Solid waste (Management and Handling)Rules,2016 to authorized recyclers.
9.	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 teacups, 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, are canut palm plate, stainless steel, glass, porcelain plates/cups, cloth bag, jute bag.	We do not "use and throwaway plastic". Banana leaf, Arecanut palm plate, stainless steel, glass porcelain plates/cups, cloth bag, jute bag will be used where it is applicable.
10.	The unit shall comply with the notifications issued by CPCB from time to time for water consumption, effluent standards and coal / Ash handling.	Agreed to Comply.
11.	The unit shall operate and maintain the EMFM with computer recorder arrangement provided at	We operate and maintain the EMFM with computer recorder



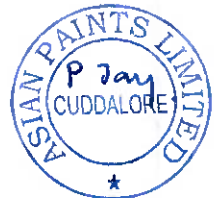
**Compliance report on the latest Consent to Operate order conditions stipulated under  
Air & Water Acts issued to the unit.**

	the inlet and outlet of ETP & maintain logbook to monitor the quantity of trade effluent generation and trade effluent utilization.	arrangement provided at the inlet and outlet of ETP & maintain logbook to monitor the quantity of trade effluent generation and trade effluent utilization.
12.	The unit shall ensure the connectivity of online monitors for the effluent parameters flow, pH, BOD, COD and TSS provided at ETP outlet with Care Air Centre Of TNPCB, Guindy, Chennai and provide proper data at all times.	STP is well maintained and operated efficiently. The Treated Sewage Characteristics satisfies the standards prescribed by the TNPCB Board.
13.	The unit's activity shall not attract any complaint from the nearby public.	Agreed to Comply
14.	The unit shall be liable to pay the consent fee and shall remit the difference in amount in case of any revision of consent fee by the Government.	Noted.
15.	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.	We submit Environmental Statement for the financial year ending the 31 <sup>st</sup> March in Form-V as per the Rule 14 of the Environment (Protection) Rules, 1986.
16.	This consent order does not absolve from obtaining necessary permission/clearance from other Authority or under other statues as applicable.	Noted.

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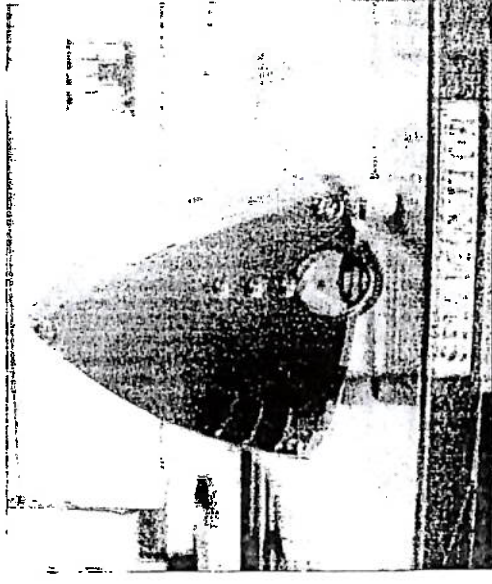


## **Annexure 3 – Care Air Sensor (Boiler stack PM, So<sub>2</sub> and NO<sub>x</sub>)**



## Online stack analyzers connected to care air centre

- Online Boiler stack SPM analyzer.



- Online Boiler flue gas SOx / NOx analyzer.

