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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

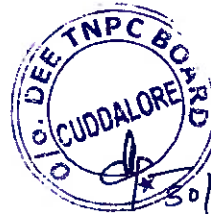
Thanking you,

Yours faithfully,

for **ASIAN PAINTS LIMITED.**

SARAVANAN S
MANAGER – QA & EHS

Encl: As above



30/09/25

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 – (STC 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/Nm3	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/ chemicals Inorganic	Generation, Collection, Storage & Disposal through authorized recyclers (Recyclable)
2	5.2 Wastes or residue containing oil	Organic/ chemicals Inorganic	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/ chemicals Inorganic	Generation, Collection, Storage & Disposal through authorized preprocessors (Utilizable)

7	20.2 Spent solvents	Organic chemicals	Generation, Collection, 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/chemicals Inorganic	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/chemicals Inorganic	Generation, Collection, Storage & Disposal through authorized preprocessors (Utilizable)
12	35.3 Chemical sludge from waste water treatment (ATFD salt)	Organic/chemicals Inorganic	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