O/C

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
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APL/CDL/CPP/FORM-V/13/2022-23 26th May 2023

To

The Joint Chief Environment Engineer,

Tamil Nadu Pollution Control board,

14B/2 Bethel Tower

Cuddalore-607001

Dear Sir,

Sub: Submission of Environmental Statement (FORM V) for Captive Power Plant as on 31.03.2023 .

We are enclosing herewith the Environmental statement for Captive Power Plant (FORM-V) / Annual implementation report for the Financial Year 2022 -2023.

This is for your kind perusal.

Thanking you,

Yours faithfully,
for **ASIAN PAINTS LIMITED**

P Jayakanthan

P.Jayakanthan
Senior Production Manager

Encl: Environmental statement for Captive Power Plant (FORM-V)

CC TO.
The Member Secretary,

Tamil Nadu Pollution Control board,

76, Mount Salai,

Guindy,

Chennai – 600 032.

O/o. JCEE(M). TNPC Board CUDDALORE

FORM V FOR CAPTIVE POWER PLANT

Environment Statement for the Financial Year ending 31st March 2023

PART A

1. 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 607 005.

2. Industry/Category Primary (STC Code)	:	Red / Large
Secondary (STC Code)	:	
3. Production Capacity	:	**Consented Quantity:** Steam 16 MT/ Hour Power 1.5 MW
4. Year of establishment	:	1986
5. Date of the last environmental Statement submitted	:	21.05.2022

PART-B
WATER AND RAW MATERIAL CONSUMPTION

Water Consumption KL/day	:	53.48
Boiler feed KL/day	:	29.54
E106-4 KL /day	:	22.93
Domestic KL/day	:	1

Name of products Process water consumption per product output		
	During the previous (2021-22) financial year	**During the current (2022-23) financial year**
Steam (MT) Power	16.00 0	16.00 0

ASIAN PAINTS LIMITED CUDDALORE

2. Raw Material Consumption:

Name of Raw Material	Name of products	Consumption of Raw Material per unit of output (Tons/KW)	
		During the previous financial year (2021-22)	During the current financial year (2022-23)
Coal& Lignite	Power generation	3.05	3.03

PART- C

Pollution discharged to environment/unit of output
(Parameter as specified in the consent issued)

Pollutants	Quantity of pollutants discharged (mass/day)	Concentrations of pollutants in discharges (mass/volume) * (in ppm)	Percentage of variation from prescribed standards with reasons
a. WATER	TDS :0.0058 TSS :0.00022 BOD :0.000635 COD :0.00025	Not applicable*	NIL
b. AIR	SPM:0.0099 SO2:0.0094 NOx:0.0135	SPM 44 SO2 42 NOx 60 Annual average value of Stack emission analysis done by TNPCB	NIL

* Effluent from Captive power plant is treated in main plant (Penta Plant –ETP) and there it is accounted in concentration of pollutants in discharge of Penta plant.

PART- D
Hazardous Wastes

(As specified under Hazardous Wastes/Management and Handling Rules, 1989) as amended in 2000

Hazardous Wastes	Total quantity in (Ltrs)	
	During the previous financial year (2021 -22)	During the current financial year (2022 - 23)
a. From Process Used System oil Other Spent oil Spent Carbon. Distillation residue From Pollution Control Facilities ***From ETP/MEE/ATFD***	Not applicable*	Not applicable*
• Hazardous waste is categorized under Penta plant.		

PART-E
Solid Wastes

	Total quantity	
	During the previous financial year (MT) (2021-22)	During the current financial year (MT) (2022-23)
a. From Process / Ash from Boiler	3313MT	3379 MT
b. From Pollution control facilities from ETP	NIL	NIL
c. i. Quantity recycled or reutilized+ with in the unit.	NIL	NIL
ii. Sold	NIL	NIL
iii Disposed / Ash from Boiler	3317MT	3408 MT

Fly ash is utilized by cement industries, Brick manufacturers, co-processors, soil conditioner.

PART-F

Please specify the characterizations (in terms of composition and quantum) of hazardous as well As solid wastes and indicate disposal practice adopted for both these categories of wastes.

Sl. No.	PARAMETERS	USED OILS	WASTE OIL
1	Color (Hazan units.)	Brown	Dark Brown
2	Water %	BDL(DL:0.05%)	0.28%
3	Density (g/cc)	0.8656 kg/l	0.8650 kg/l
4	Total halogens (ppm)	15	16
5	Chromium as cr (ppm)	ND	0.1
6	Nickel as Ni (ppm0	ND	0.3
7	Cadmium as cd (ppm)	< 2.5	3.2
8	Lead as Pb (ppm)	1.4	0.9
9	Arsenic as As (ppm)	ND	ND
10	PAH (ppm)	0.18	0.20
11	PCB (ppm)	BDL(D.L 2.0 ppm)	BDL(D.L 2.0 ppm)

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PART G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production

- The ambient air quality monitoring is done with help of Continuous Ambient Air Quality monitoring station located inside our factory premises.
- Noise level reduction facilities are provided.
- Steam consumption

Financial year	Steam consumption(Mt/ annum)
2021-22	136423.1
2022-23	122523.6

- Power consumption

Financial year	Power consumption (KW/ Annum)
2021-22	1,00,95,200
2022-23	83,03,760

- Around 1500 tree saplings were planted in our factory premises for the FY 2022-2023.
- The effluent generation is being periodically monitored and appropriate action is taken to reduce the effluent generation from source itself.
- The Effluent is sent to Effluent Treatment Plant located inside Penta plant .It is 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 generated is sent to Sewage Treatment plant located in Penta plant..It is successfully operated for achieving the sewage standards and the treated water is used for gardening purpose.

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- Recovered water from the combined Zero Liquid Discharge system is used in our Cooling tower.

- Effluent treatment plant performance is monitored and maintained .Effluent is treated in the Main plant.

- The air and various emission discharge points of boiler stack are being monitored at regular intervals by engaging external laboratory and Advanced environmental lab, TNPCB. The quality of the emission from the emission points are well within TNPCB norms.

- The sludge generated from ETP and ATFD (ZLD unit of the combined ETP) is being sent to TNWMA, Gummidipoondi for disposal as and when required.

- Sprinkler systems is used for gardening purpose.

AIR EMISSION MONITORING

- We are monitoring the ambient air quality weekly twice at two different locations. (Both up wind and Downwind directions.)

- We have been regularly monitoring boiler stack emission by engaging reputed laboratories / TNPCB's laboratory.

- We are monitoring the Ambient VOC / THC / AAQ , in different locations (Both upwind and down wind direction) once in three months and ensured that the values are well within the limit.

- One online NAAQ monitoring station has been installed in predominant wind direction in consultation with TNPCB officials to monitor $PM_{2.5}$, PM10, SO2 & NOx and the monitored data's are uploaded to CARE AIR CENTRE, TNPCB.

- One TVOC meter was installed in the process area and the monitored data is uploaded to CARE AIR CENTRE, TNPCB.

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Details of activities carried out to maintain the ambient air quality are as follows: -

- Online NAAQ monitoring station has been installed and connected with care air system.
- The entire fuel handling systems in our boiler has been completely covered to avoid dust emission while handling fuel and ash.
- LDAR is being carried out using MoEF approved Laboratory once in a year as per consent requirement and the leaks if any were arrested.

ENVIRONMENT & SAFETY MANAGEMENT: ISO 14001 & 45001

- We have designed and implemented the Environmental Management System (EMS) as per the international standard ISO 14001 & 45001. This system is being regularly audited every six months by M/s Det Norske Veritas (DNV /GL).
- Our unit is also certified for ISO 9001 standards by M/S DNV/GL.
- The recommendations from the audits are implemented on a regular basis.

TRAINING OUR EMPLOYEES ON ENVIRONMENTAL ISSUES:

- Regular training programmes are being conducted for our employees to educate, train and motivate their activities in an environmental friendly/responsible manner.
- As a part of ongoing ISO 14001 & 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.

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PART – H

Additional measures/investment proposal for environmental protection including abatement of pollution, prevention of pollution

- Rain water collection and harvesting was done (around **200** cubic meters)..
- We are continuing to using Environmental friendly imported coal originating from Indonesia. This coal contains less Sulphur content.
- Fly ash is disposed to brick manufacturers, soil conditioners.

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.
- The rainwater harvesting trenches in the boiler area was constructed for effective harvesting of rainwater .
- The rainwater harvesting trenches in the boiler area was constructed for effective harvesting of rainwater.

Environment Management Cell details:

Name	Designation	Qualification
P. Jayakanthan	Senior Production Manager	B.Tech (Chemical) & Diploma in Industrial Pollution & Control
K.Marimuthu	Senior Executive	M.Sc.(Chemistry) ,MBA.,DCPI,RBP.,
Devaganesh	Safety Offier	BE (Chemical)& PG Diploma in factory safety
A.Karthikeyan	Chemist	M.Sc.(Chemistry)

CSR activities carried out during FY 2022-23

CSR Projects – 2022-23	Sector in which the project is covered	Annual Budget- Rs Lakhs
Primary Health Centers at 4 Villages (Echankadu, Kudikadu, Echankadu and Karaikadu Villages)	Health and Hygiene	19.7
Wash project Construction of Toilets in Echankadi Village	Health and Hygiene	3.2
Wash project Construction of Toilets in Semendalam ITI	Health and Hygiene	7.05
Sub-Total		29.9
Restoration of water bodies (Karaikadu)	Water Management	31
Restoration of water bodies (Sedapallam)	Water Management	78.9
Restoration of 2 water bodies (pachyankuppam)	Water Management	21.03
Tree Plantation program in near water bodies	Water Management	9.5
Installation of UV based water treatment plant	Water Management	21
Sub-Total		161.3
Total		191.3

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