

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2022

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000050162

Submitted Date

30-09-2022

PART A

Company Information

Company Name

Hindustan Petroleum Corporation Limited

Address

HPCL Mumbai Refinery, B.D. Patil Marg, Mahul

Plot no

234/482

Capital Investment (In lakhs)

749256

Pincode 400074

Telephone Number

9930261492

Region

SRO-Mumbai III

Last Environmental statement submitted online

yes

Consent Valid Upto

Industry Category Primary (STC Code) & Secondary

(STC Code)

2025-08-31

Application UAN number

MPCB-CONSENT-0000079578

Taluka

Kurla

Scale

L.S.I

Person Name

Rajanikant Dhamelia

Fax Number

25542017

Industry Category Red

1974

dhameliarr@hpcl.in

Email

Village

Citv

Chembur

Industry Type

Mumbai Suburban

Designation

DGM - Technical

R56 Oil Refinery (mineral Oil or Petro

Refineries)

Consent Number Consent Issue Date

MPCB-CONSENT-0000079578 2021-09-20

Establishment Year

Date of last environment statement submitted

Jan 1 1900 12:00:00:000AM

Product Information

Product Name Consent Quantity Actual Quantity UOM Light Distillate 2515800 1641960 MT/A Middle Distillate 4142000 1909888 MT/A Lube Oil Base Stock 450000 368368 MT/A

By-product Information

UOM By Product Name **Consent Quantity Actual Quantity** Other Heavy Products including Refinery Fuel and Loss 2355000 1608709 MT/A 61000 13100 Sulfur MT/A

Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day						
Water Consumption for	Consent Qu	antity in m	3/day	Actu	al Quantity in m3/da	y
Process	12348.00			7000	.00	
Cooling	90242.00			3188	8.00	
Domestic	870.00			415.0	00	
All others	1500.00			1451	.00	
Total	104960.00			4075	4.00	
2) Effluent Generation in CMD / MLD Particulars		Consent ()uantity	Acti	ual Quantity	иом
Trade effluent		7200	auntity	1887	-	CMD
Sea Cooling water blowdown		80354		2438	31	CMD
Domestic effluent		600		192		CMD
2) Product Wise Process Water Consumption water per unit of product)	on (cubic meter	of process				
Name of Products (Production)			During the Previous final Year	ncial	During the current Financial year	иом
Oil Refinery (Mineral Oil or Petro Refineries)			0.4		0.6	Ton/To
Oil Refinery (Mineral Oil or Petro Refineries)			0.4		0.6	Ton/To

3) Raw Material Consumption	(Consumption	of raw i	material
per unit of product)			

Oil Refinery (Mineral Oil or Petro Refineries)

Name of Raw Materials

During the Previous financial Year

Crude OII

During the Previous Financial year

1.08

During the current Financial year

Ton/Ton

0.4

0.6

Ton/Ton

4) Fuel Consumption			
Fuel Name	Consent quantity	Actual Quantity	UOM
LSHS	765606.5	103872	MT/A
Naptha	278419.1	41313	MT/A
Fuel Gas	1716754	203632	MT/A

Part-C

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

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour	Percentage of variation from prescribed standards with reasons		
	Quantity	Concentration	%variation	Standard	Reason
рН	0	7.3	0	6 to 9	In Compliance
Oil & Grease	0.67	2	0	5 mg/L	In Compliance
BOD (3 days 27 C)	3.6	11	0	15 mg/L	In Compliance

Total Suspended Solids	5 5.02	15	0	20 mg/L	In Compliance
COD	25.8	77	0	125 mg/L	In Compliance
Phenol	0.03	0.11	0	0.35 mg/L	In Compliance
Sulphides	0	0	0	0.5 mg/L	In Compliance
CN	0	0	0	0.2 mg/L	In Compliance
Ammonia as N	0	0	0	15 mg/L	In Compliance
TKN	0.7	2	0	40 mg/L	In Compliance
Phosphate	0.23	0.7	0	3 mg/L	In Compliance
Cr (Hexavalent)	0	0	0	0.1 mg/L	In Compliance
Cr (Total)	0	0	0	2 mg/L	In Compliance
Pb	0	0	0	0.1 mg/L	In Compliance
Hg	0	0	0	0.01 mg/L	In Compliance
Zn	0.03	0.1	0	5 mg/L	In Compliance
Ni	0.06	0.2	0	1 mg/L	In Compliance
Cu	0.03	0.1	0	1 mg/L	In Compliance
V	0	0	0	0.2 mg/L	In Compliance
Benzene	0	0	0	0.1 mg/L	In Compliance
Benzo(a)-pyrene	0	0	0	0.2 mg/L	In Compliance

[B] Air (Stack) Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/NM3)	Percentage of variation from prescribed standards		
SPM	Quantity 176.7	Concentration 6.4	with reasons %variation 0	Standard 150 mg/Nm3	Reason In Compliance
SOx	2456.6	104	0	12.6 TPD	In Compliance
NOx	4131	16.9	0	6.5 TPD	In Compliance

49.4

Part-D

CO

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
4.2 Spent catalyst	1829.4	1323.68	MT/A
4.1 Oil sludge or emulsion	0	58.25	MT/A

2) From Pollution Control Facilities

5.34

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	0	0	MT/A

Part-E

SOLID WASTES 1) From Process

50 mg/Nm3 In Compliance

Metal Scrap	2128	4566	MT/A
Plastic waste	3.140	50.68	MT/A

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
N.A.	0	0	MT/A

3) Quantity Recycled or Re-utilized within the

unit

Waste Type	Total During Previous Financial	•	UOM
0	year O	year 0	MT/A

Part-F

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

1) Hazardous Waste

Type of Hazardous Waste Generated	Qty of Hazardous Waste	UOM	Concentration of Hazardous Waste
4.2 Spent catalyst	826.17	MT/A	Disposal to Mumbai Waste Management Limited, Taloja
4.1 Oil Sludge or emulsion	58.25	MT/A	Disposal to Mumbai Waste Management Limited, Taloja
4.2 Spent catalyst	87.98	MT/A	Recycle to M/s. Rubamin Private Limited, Vadodara, Gujarat
4.2 Spent catalyst	249.31	MT/A	Recycle to M/s. Arth Metallurgicals Pvt Ltd, Raipur, Chhattisgarh
4.2 Spent catalyst	102.51	MT/A	Recycle to M/s. Ravindra Heraeus Pvt. Ltd., Udaipur, Rajasthan
4.2 Spent catalyst	57.70	MT/A	Recycle to M/s. Hindustan Platinum Pvt. Ltd., Pawane, Navi Mumbai

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Metal scrap	4566	MT/A	Sold to recycler
Plastic waste	50.68	MT/A	Sold to recycler

Part-G

Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

Description	Reduction in Water Consumption (M3/day)	Reduction in Fuel & Solvent Consumption (KL/day)	Reduction in Raw Material (Kg)	Reduction in Power Consumption (KWH)	Capital Investment(in Lacs)	Reduction in Maintenance(in Lacs)
Water recycling after treatment	1586.4	0	0	0	0	0
Rain water harvesting	285.9	0	0	0	0	0

Part-H

Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution. [A] Investment made during the period of Environmental Statement

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection

Recovery of steam condensate from LR tanks

Installation of Air trap in compressor inter cooler to reduce compressed

air loss

Environmental Protection Measures

Efficiency Improvement

Efficiency Improvement

Capital Investment (Lacks)

141

50

Part-I

Any other particulars for improving the quality of the environment.

Particulars

Tree plantation

Name & Designation

Rajanikant Dhamelia, Deputy General Manager

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000050162

Submitted On:

30-09-2022