



हिन्दुस्तान पेट्रोलियम कॉर्पोरेशन लिमिटेड

(भारत सरकार उपक्रम) पंजीकृत कार्यालय : 17, जमशेदजी टाटा रोड, मुंबई - 400 020.

HINDUSTAN PETROLEUM CORPORATION LIMITED

(A GOVERNMENT OF INDIA ENTERPRISE) REGISTERED OFFICE : 17, JAMSHEDJI TATA ROAD, MUMBAI - 400 020.

मुंबई रिफाइनरी, पो. ऑ. बॉक्स नं. 18820, बी. डी. पाटील मार्ग, माहुल, मुंबई - 400 074.
MUMBAI REFINERY, P.O. BOX NO. 18820, B. D. PATIL MARG, MAHUL, MUMBAI - 400 074.
टेलीफोन : TELEPHONE : 2507 6000, फॅक्स : FAX : 2554 2008, तार - हिनरिफ, TELEGRAM - HINREF
CIN : L23201MH1952GOI008858

December 04 ,2025

To,

The Member Secretary,
Maharashtra Pollution Control Board,
Government of Maharashtra,
Madam Cama Road, Hutatma Rajguru Chowk,
Nariman Point,
Mumbai-400032

Subject: Submission of six monthly compliance for Construction of Crude Oil Terminal and Product Tanks at MPA, Jawahar Dweep Island, Mumbai, Maharashtra by M/s. Hindustan Petroleum Corporation Ltd (HPCL)-CRZ Clearance F.No: 11/3/2015-IA.III Section(CRZ) dated March 10, 2025.

Dear Sir/Madam,

Please find attached herewith, six monthly compliance report of subject CRZ Clearance for the period 1st April,2025 to 30th September, 2025 for Mumbai Refinery Crude Oil Terminal and Product Tanks Project (COT) at MPA, Jawahar Dweep Island.

With warm regards,

Very truly yours,

Arvind Shastry
04/12/25

Arvind Shastry
Chief General Manager-Projects
Mumbai Refinery-HPCL

अरविंद शास्त्री
ARVIND SHASTRY
मुख्य महाप्रबंधक - परियोजनाएँ
Chief General Manager - Projects
मुंबई रिफाइनरी - म. रि. / HPCL

Compliance of Coastal Regulation Zone (CRZ) Clearance for the period 1 st April, 2025 to 30 th September, 2025		
Project: Construction of Crude Oil Terminal and Product Tanks at MPA, Jawahar Dweep Island, Mumbai, Maharashtra by M/s. Hindustan Petroleum Corporation Ltd (HPCL)		
Reference No: F.No: 11/3/2015-IA.III Section(CRZ) dated March 10, 2025 by Ministry of Environment, Forest and Climate Change, GOI (MoEF&CC)		
A. Specific Conditions		
S.No.	Particulars	Compliance Status
1.	All construction shall be strictly in accordance with the provisions of the CRZ Notification, 2019, as amended from time to time.	Shall be complied
2.	A study shall be conducted by the National Institute of Rock Mechanics and, if required, with any other reputed institute in this field to assess the possibility of subsidence of the island due to impact of the project. The findings must be documented and submitted along first Six-monthly compliance report to the concerned Integrated Regional Office (IRO). Progress of Follow up action on the recommendations of the study shall be submitted by the PP in subsequent Six-monthly compliance report to IRO.	CWPRS has been appointed for conducting the study. Due to extended monsoon, CWPRS could not take up field study. The study is expected to begin from this month. PO copy attached-Annexure-1
3.	Further reputed institute like NIO should be assigned to assess the impact of the proposed reclamation on shoreline changes around the island, which should submit the report to the IRO of MoEF&CC along with first Six monthly compliance report and progress of action on the recommendations of report shall be submitted in subsequent Six-monthly compliance reports.	NIO is regularly conducting the study. Report is awaited.
4.	As committed, all measures stipulated in the Disaster Management Plan, the Oil Spill Prevention and Management Plan, and the Waste & Debris Management Plan must be implemented without any deviation.	Shall be complied
5.	The Project Proponent must prepare a separate management plan for the conservation of avifauna and marine biodiversity on the island as part of the Environmental Management Plan (EMP). Additionally, periodic assessments of creek water quality, soil characteristics, and other environmental parameters should be conducted by reputed agencies with expertise in the field. The status report must be incorporated into the six-monthly compliance reports.	Shall be complied. A separate Management Plan will be prepared prior to start of Project constructions.
6.	The Project Proponent shall enhance tree plantation efforts under the campaign "(Ek Ped Maa Ke Naam)." The details of the trees planted must be uploaded on the official portal https://merilife.nic.in .	Shall be complied.
7.	The Project Proponent must obtain a No Objection Certificate (NOC) from the Petroleum and Explosives Safety Organisation (PESO) before commencing construction.	Shall be complied
8.	The Project Proponent must strictly comply with the guidelines prescribed by the Oil Industry Safety Directorate	Shall be complied

	(OISD) and incorporate the latest safety features in the maintenance and operation of the pipeline.	
9.	All mitigation measures listed in the Environmental Impact Assessment (EIA) report must be implemented without any deviations.	Shall be complied
10.	The Project Proponent must ensure the incorporation of the latest safety features and protocols for the safe operation of the proposed project activity. Proper Standard Operating Procedures (SOPs) for safety must be established and followed diligently.	Shall be complied
11.	Topsoil excavated during construction activities shall be stored for use in horticulture/landscape development etc. within the project site.	Shall be complied
12.	No groundwater shall be extracted within the CRZ area to meet the water requirements during the construction and/or operation phase of the project.	Shall be complied
13.	No storage reservoir for sea water shall be permitted.	Shall be complied
14.	Permanent labour camp, machinery and material storage shall not be set up in the CRZ area.	Shall be complied
15.	Temporary toilets will be provided for all construction labour. Suitable toilet fixtures for water conservation shall be provided. Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor-based control.	Shall be complied
16.	Construction material and structures/scaffoldings erected for construction at site shall be cleared immediately after finishing construction and it shall be ensured that no construction waste, garbage and machinery or equipment are left post construction.	Shall be complied
17.	The Project Proponent shall comply order/direction, if any, issued by Hon'ble Court/ tribunal on the project.	Shall be complied
18.	All the conditions stipulated by the Maharashtra Coastal Zone Management Authority for CRZ clearance under CRZ Notification, 2019 vide letter No.IA/MII/CRZ/509611/2024, dated 03/01/2025 and commitments made by the PP before the Maharashtra CZMA and EAC shall be followed in letter and spirit.	Shall be complied
19.	All necessary clearance from the concerned authority, as may be applicable should be obtained prior to commencement of project or activity.	Shall be complied. CTE will be obtained from MPCB prior to commencement of Project.
B. General Conditions		
S.No.	Particulars	Compliance Status
1.	Management of solid waste in accordance with the Solid Waste Management Rules, 2016 shall be strictly implemented.	Shall be complied
2.	'Consent to Establish' and /or 'Consent to Operate' shall be obtained from State Pollution Control Board under the provisions of Air (Prevention and Control of Pollution) Act, 1981 and/ or the Water (Prevention and Control of Pollution) Act, 1974, as may be applicable.	Shall be complied

3.	Disposal of muck during construction phase should not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of Competent Authority.	Shall be complied
4.	All liquid waste arising from the proposed development will be disposed of as per the norms prescribed by Central State Pollution Control Board. There shall not be any disposal of untreated effluent into the sea / coastal water bodies. It shall be ensured that the wastewater generated is treated in the STP as committed by the project proponent. The treated waste water shall be reused for landscaping, flushing and / or HVAC cooling purposes etc. within the development. The project proponent should also make alternate arrangement for situation arising due to malfunctioning of STP. There shall be regular monitoring of standard parameters of the effluent discharge from STP under intimation to the SPCB.	Shall be complied
5.	Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.	Shall be complied
6.	A copy of the clearance letter shall be uploaded on the website of the concerned State Coastal Zone Management Authority/State Pollution Control Board. The Clearance letter shall also be displayed at the Regional Office, District Industries Centre and Collector's Office/ Tehsildar's office for 30 days.	Complied. CRZ Clearance copy to CZMA & Collector office has been provide. Copy of the Letter attached- Aneexure-2
7.	A six-monthly monitoring report shall need to be submitted by the project proponent to the concerned Regional Office of this Ministry regarding the implementation of the stipulated conditions.	Shall be complied
8.	The Ministry of Environment, Forest & Climate Change or any other Competent Authority may stipulate any additional conditions or modify the existing ones, if necessary in the interest of environment and the same shall be complied with.	Shall be complied
9.	Full co-operation shall be extended to the officials from the Regional Office of MoEF&CC, during monitoring of implementation of environmental safeguards stipulated. It shall be ensured that documents/data sought pertinent is made available to the monitoring team. A complete set of all the documents submitted to MoEF&CC shall be forwarded to the concerned Regional Office of MoEF&CC.	Shall be complied
10.	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.	Noted
11.	The Ministry reserves the right to add additional safeguard measures subsequently, if considered necessary, and to take action to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner, including revoking o the environment clearance under the provisions of the Environmental (Protection) Act, 1986, for non-compliance.	Noted

12.	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponent from the respective Competent Authorities.	Shall be obtained as applicable.
13.	The project proponent should advertise in at least two local newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded CRZ Clearance and copies of clearance letters are available with the State Pollution Control Board (SPCB) and may also be seen on the website of the Ministry of Environment, Forest and Climate Change at https://parivesh.nic.in/ . The advertisement should be made within Seven days from the date of receipt of the Clearance letter and a copy of the same should be forwarded to the concerned Regional Office of this Ministry.	Complied with Advertisement regarding grant of CRZ clearance was published on Mar 13, 2025 in The Free Press Journal, Mumbai in English. Published on March 15,2025 in in SAKAL, Mumbai, in Marathi. Copy of the Advertisement sent to Regional office of the Ministry. Copy of the Letter attached- Aneexure-3.
14.	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parisadh/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.	Complied with. Copy of the Letter attached- Aneexure-4
15.	The proponent shall upload the status of compliance of the stipulated 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 MoEF&CC, the respective Zonal Office of CPCB and the SPCB.	Shall be complied.
16.	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the project proponent along with the status of compliance of clearance conditions and shall also be sent to the respective Regional Office of the Ministry by e-mail.	Complied with. Environmental Statement for FY 2024-25 submitted on 26.09.2025 Copy of the Form-V attached- Aneexure-5.

फोन /Phone: 91-22-6656 4570
इमेल /Email: chiefengineer@mumbaiport.gov.in
वेबसाईट /Website
www.mumbaiport.gov.in



मुंबई पोर्टन प्राधिकरण
Mumbai Port Authority

स्थापत्य अभियांत्रिकी विभाग
पोर्ट भवन, तिसरा मजला
शुद्धी जल्लभवास मार्ग, बॅलार्ड इस्टेट,
मुंबई ४०० ००१
Civil Engineering Department,
Port House, 3rd floor,
S.V. Marg, Ballard Estate,
MUMBAI - 400 001.



No.CE. HF/515 -NM/3179

Date : 12 2 SEP 2025

To
The Director
Central Water &
Power Research Station (CWPRS)
Khadakwasala, Pune -411024

Dear Sirs,

Sub: "Geophysical Investigation around Jawahar Dweep Mumbai Port Authorities Maharashtra."

Ref: Your Letter No. CWPRS/GP/TC/2025/641 dated 06 Aug. 2025

We are pleased to inform you that, your Proposal for the subject work is accepted for an amount of **Rs.36,46,820/- (Rupees Thirty Six Lakh Forty Six Thousand Eight Hundred Twenty only).**

1. Following is the scope of work, Methodology and Deliverables.

Scope of Study	The geophysical investigations will be carried out for delineating the subsurface strata, including the soil/overburden layer, weathered rock layer, jointed rock layer, and hard rock layer and it will be helpful in detecting subsurface anomalies such as faults, shear zones, or cavities if any exist within the study area.
Methodology	<p>1. Seismic Refraction Tomography (SRT). Seismic refraction method utilizes the existence of a recognizable difference in the velocities with which elastic (seismic) waves are transmitted through various subsurface layers. The arrivals of the direct and refracted elastic waves usually produced by the seismic source are picked-up by several detectors (geophones) placed on the ground at known intervals in line with the shot. Then, from the measured arrival times of the geophones and their known distances on the surface, the time-distance graph is plotted. From time distance graph, the compressional wave velocities corresponding to various subsurface layers are evaluated and their thicknesses at each of the two shots are calculated either by the time-intercept or by cross-over distance method. The magnitude of the compressional wave velocity in the rock provides an idea of its relative quality.</p> <p>2. Electrical Resistivity Imaging (ERI):Electrical Resistivity Imaging (ERI) from surface to map the profile of the various subsurface layers (geological horizons) particularly the thickness of overburden layer, weathered rock layer, jointed rock layer and the hard rock layer.</p>

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Deliverables	Subsurface 2-D image with depth which indicates thickness of overburden layer, depth to bedrock and subsurface anomalies like faults, lineaments, cavities etc. if any. a. Seismic sections with velocity variations with depth b. Electrical resistivity imaging (ERI) sections with resistivity variations with depth
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2. The period of completion is 6 **months** after data acquisition at the site.
3. The amount for the said consultancy work will be paid in 100% Advance, you are requested to submit the bank details and mode of payment.
4. You shall commence the above work in consultation with the Executive Engineer, PPP.
5. You are requested to acknowledge receipt of this letter on the acknowledgment slip enclosed and commence the requisite studies, pending the payment from Mumbai Port

Yours faithfully,

D.A.:- Acknowledgment Slip (to be retd.).

(S. S. Saraf)
Dy. Chief Engineer, PPP
MUMBAI PORT AUTHORITY

0/c



हिन्दुस्तान पेट्रोलियम कॉर्पोरेशन लिमिटेड

(भारत सरकार उपक्रम) रजिस्टर्ड ऑफिस : 17, जमशेदजी टाटा रोड, चर्चगेट, मुंबई - 400 020

Hindustan Petroleum Corporation Limited

(A Govt. of India Enterprise) Regd. Office : 17, Jamshedji Tata Road, Churchgate, Mumbai - 400 020

Date: November 06, 2025

To,

The Member Secretary,
Maharashtra Coastal Zone Management Authority,
Environment Department
15th Floor, New Administrative Building, Opp. Mantralaya.
Mumbai-400032

Sub: Information regarding grant of Coastal Regulation Zones (CRZ) Clearance for Jawahar DwEEP Island to Hindustan Petroleum Corporations Limited (HPCL), Mumbai Refinery.

Dear Sir/Madam,

We wish to inform you that HPCL Mumbai Refinery has been granted Coastal Regulation Zones (CRZ) Clearance from Ministry of Environment Forest and Climate Change (MoEF&CC) vide letter F. No- 11/3/2025-IA.III section (CRZ) dated March 10,2025 for Construction of Crude Oil Terminal and Products Tanks, proposed at MPA Jawahar DwEEP Island, Mumbai.

A copy of the aforementioned CRZ Clearance letter is attached as Annexure-I for your information.

With warm regards,

Very truly yours,

Arvind Shastry
06/11/25

Arvind Shastry
Chief General Manager-Projects
Mumbai Refinery-HPCL

अरविंद शास्त्री

ARVIND SHASTRY

मुख्य महाप्रबंधक - परियोजनाएँ

Chief General Manager - Projects

एचपीसीएल - मुं.रि. / H.P.C.L. - MR

Annexure-I: CRZ Clearance letter dated March 10, 2025.



हिन्दुस्तान पेट्रोलियम कॉर्पोरेशन लिमिटेड

(भारत सरकार उपक्रम) रजिस्टर्ड ऑफिस : 17, जमशेदजी टाटा रोड, चर्चगेट, मुंबई - 400 020

Hindustan Petroleum Corporation Limited

(A Govt. of India Enterprise) Regd. Office : 17, Jamshedji Tata Road, Churchgate, Mumbai - 400 020

Date: November 06, 2025

To,
The District Collector,
Office of Collectors and District Magistrate,
1st Floor, Collector Office of Mumbai City
Old Custom House,
Shahid Bhagat Singh Rd, Marg
Fort (E)
Mumbai-400001

Sub: Information regarding grant of Coastal Regulation Zones (CRZ) Clearance for Jawahar Dweep Island to Hindustan Petroleum Corporations Limited (HPCL), Mumbai Refinery.

Dear Sir/Madam,

We wish to inform you that HPCL Mumbai Refinery has been granted Coastal Regulation Zones (CRZ) Clearance from Ministry of Environment Forest and Climate Change (MoEF&CC) vide letter F. No- 11/3/2025-IA.III section (CRZ) dated March 10,2025 for Construction of Crude Oil Terminal and Products Tanks, proposed at MPA Jawahar Dweep Island, Mumbai.

A copy of the aforementioned CRZ Clearance letter is attached as Annexure-I for your information.

With warm regards,

Very truly yours,

Arvind Shastry
06/11/25

Arvind Shastry
Chief General Manager-Projects
Mumbai Refinery-HPCL

Annexure-I: CRZ Clearance letter dated March 10, 2025.

ARVIND SHASTRY
मुख्य महाप्रबंधक - परियोजनाएँ
Chief General Manager - Projects
एचपीसीएल - मुं.रि. / H.P.C.L. - MR



हिन्दुस्तान पेट्रोलियम कॉर्पोरेशन लिमिटेड

(भारत सरकार उपक्रम) रजिस्टर्ड ऑफिस : 17, जमशेदजी टाटा रोड, चर्चगेट, मुंबई - 400 020

Hindustan Petroleum Corporation Limited

(A Govt. of India Enterprise) Regd. Office : 17, Jamshedji Tata Road, Churchgate, Mumbai - 400 020

October 13, 2025

To,

The Deputy Director General,
Integrated Regional Office,
Ministry of Environment, Forest and Climate Change,
Ground Floor, East Wing,
New Secretariat Building, Civil Lines,
Nagpur-440001.

Sub: Publication of advertisement in newspapers on grant of Coastal Regulation Zones (CRZ) Clearance to Hindustan Petroleum Corporations Limited (HPCL), Mumbai Refinery.

Dear Sir/Madam,

We wish to inform you that HPCL Mumbai Refinery has been granted Coastal Regulation Zones (CRZ) Clearance from Ministry of Environment Forest and Climate Change (MoEF&CC) vide letter F. No- 11/3/2025-IA.III section (CRZ) dated March 10, 2025 for Construction of Crude Oil Terminal and Products Tanks, proposed at MPA Jawahar Dweep Island, Mumbai.

As stipulated in point 13 of the General Conditions of CRZ, a public notice has been published in the local newspapers on March 13, 2025 & on March 15, 2025 informing the Public that the Construction of Crude Oil Terminal and Product Tanks at MPA Jawahar Dweep Island, Mumbai, has been accorded Coastal Regulation Zones Clearance by MoEF&CC.

A copy of the aforementioned published advertisement is being submitted to the Nagpur Regional Office of the Ministry as per the directives of MoEF&CC stated in the General Conditions of the CRZ.

With warm regards,

Very truly yours,

Arvind Shastry
Arvind Shastry
Chief General Manager - Projects
Mumbai Refinery-HPCL

अरविंद शास्त्री
ARVIND SHASTRY
मुख्य महाप्रबंधक - परियोजनाएँ
Chief General Manager - Projects
मुंबई रिफाइनरी - मु.रि. / H.P.C.L. - MF

Annexure I: Newspaper Advertisement published in English language dated March 13, 2025

Annexure II: Newspaper Advertisement published in Vernacular language dated March 15, 2025



हिन्दुस्तान पेट्रोलियम कॉर्पोरेशन लिमिटेड

(भारत सरकार उपक्रम) रजिस्टर्ड ऑफिस : 17, जमशेदजी टाटा रोड, चर्चगेट, मुंबई - 400 020

Hindustan Petroleum Corporation Limited

(A Govt. of India Enterprise) Regd. Office : 17, Jamshedji Tata Road, Churchgate, Mumbai - 400 020

Date: October 13, 2025

To,

The Assistant Municipal Commissioner,
Municipal Corporation of Greater Mumbai,
M/E Ward office building,
Govandi(W), Mumbai-400043.

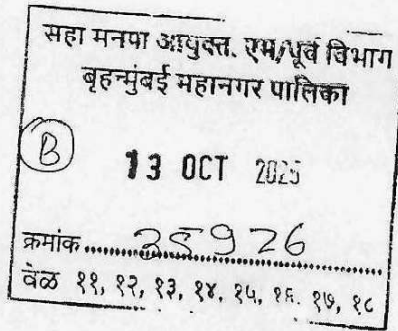
Sub: Information regarding grant of Coastal Regulation Zones (CRZ) Clearance for Jawahar Dweep Island to Hindustan Petroleum Corporations Limited (HPCL), Mumbai Refinery.

Dear Sir/Madam,

We wish to inform you that HPCL Mumbai Refinery has been granted Coastal Regulation Zones (CRZ) Clearance from Ministry of Environment Forest and Climate Change (MoEF&CC) vide letter F. No- 11/3/2025-IA.III section (CRZ) dated March 10, 2025 for Construction of Crude Oil Terminal and Products Tanks, proposed at MPA Jawahar Dweep Island, Mumbai.

A copy of the aforementioned CRZ Clearance letter is attached as Annexure-I for your information.

With warm regards,



Very truly yours,

Arvind Shastry
13/10/25
Arvind Shastry
Chief General Manager-Projects
Mumbai Refinery-HPCL

Annexure-I: CRZ Clearance letter dated March 10, 2025.

अरविंद शास्त्री
ARVIND SHASTRY
मुख्य महाप्रबंधक - परियोजनाएँ
Chief General Manager - Projects
एचपीसीएल - मुं. रि. / H.P.C.L. - MR



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

ANNEXURE-5

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2025

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000086397

Submitted Date

26-09-2025

PART A**Company Information****Company Name**

Hindustan Petroleum Corporation Limited

Application UAN number

MPCB-CONSENT-0000079578

Address

HPCL-Mumbai Refinery, Bikaji Damaji Patil Marg, Chembur

Plot no

234/482

Taluka

Kurla

Village

Chembur

Capital Investment (In lakhs)

522485.00

Scale

L.S.I

City

Mumbai

Pincode

400074

Person Name

Ashok Kumar

Designation

General Manager - Technical

Telephone Number

9869061219

Fax Number

25542017

Email

ashok@hpcl.in

Region

SRO-Mumbai III

Industry Category

Red

Industry Type

R56 Oil Refinery (mineral Oil or Petro Refineries)

Last Environmental statement submitted online

yes

Consent Number

MPCB-CONSENT-0000079578

Consent Issue Date

2021-09-20

Consent Valid Upto

2025-08-31

Establishment Year

1974

Date of last environment statement submitted

Jan 1 1900 12:00:00:000AM

Industry Category Primary (STC Code) & Secondary (STC Code)**Product Information**

Product Name	Consent Quantity	Actual Quantity	UOM
Light Distillate	2515800	2846800	MT/A
Middle Distillate	4142000	4286600	MT/A
Lube Oil Base Stock	450000	475300	MT/A

By-product Information

By Product Name	Consent Quantity	Actual Quantity	UOM
Other Heavy Products including Refinery Fuel and Loss	2355000	2346400	MT/A
Sulfur	61000	39300	MT/A

Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day		
Water Consumption for Process	Consent Quantity in m3/day	Actual Quantity in m3/day
Cooling	12348.00	5400.00
Domestic	90242.00	49487.00
All others	870.00	548.00
Total	1500.00	178.00
	104960.00	55613.00

2) Effluent Generation in CMD / MLD			
Particulars	Consent Quantity	Actual Quantity	UOM
Trade effluent	7200	4285	CMD
Sea Cooling water blowdown	80354	38065	CMD
Domestic effluent	600	216	CMD

2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)			
Name of Products (Production)	During the Previous financial Year	During the current Financial year	UOM
Oil Refinery (Mineral Oil or Petro Refineries)	03	0.24	Ton/Ton
Oil Refinery (Mineral Oil or Petro Refineries)	03	0.24	Ton/Ton
Oil Refinery (Mineral Oil or Petro Refineries)	03	0.24	Ton/Ton

3) Raw Material Consumption (Consumption of raw material per unit of product)			
Name of Raw Materials	During the Previous financial Year	During the current Financial year	UOM
Crude Oil	1.08	1.08	Ton/Ton

4) Fuel Consumption			
Fuel Name	Consent quantity	Actual Quantity	UOM
LSHS	1432194	150104	MT/A
Naptha	116797	28618	MT/A
Fuel Gas	509928	347950	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	Standard	Reason
	Quantity	Concentration	%variation		
pH	0	6.93	0	6 to 9	In Compliance
Oil & Grease	0	0	0	5 mg/L	In Compliance
BOD (3 days 27 C)	7.34	9	0	15 mg/L	In Compliance

Total Suspended Solids	8.97	11	0	20 mg/L	In Compliance
COD	50.55	62	0	125 mg/L	In Compliance
Phenol	0	0	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	0.46	0.56	0	15 mg/L	In Compliance
TKN	0.92	1.13	0	40 mg/L	In Compliance
Phosphate	0.42	0.52	0	3 mg/L	In Compliance
Cr (Hexavalent)	0.0	0.0	0	0.1 mg/L	In Compliance
Cr (Total)	0.0	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	0	0	5 mg/L	In Compliance
Ni	0	0	0	1 mg/L	In Compliance
Cu	0	0	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 with reasons	Standard	Reason
	Quantity	Concentration	%variation		
PM	384	15	0	10 - 100 mg/Nm3	In Compliance
SOx	4096	58	0	50 - 1700 mg/Nm3	In Compliance
NOx	2109	39	0	350 - 450 mg/Nm3	In Compliance
CO	2141	38	0	150 - 200 mg/Nm3	In Compliance

Part-D

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
4.2 Spent catalyst	2622	1223.11	MT/A
Other Hazardous Waste	15.5	11.38	MT/A

2) From Pollution Control Facilities

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

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
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Metalic & other scrap	5525	5690.76	MT/A
Plastic waste	86.8	38.28	MT/A

2) From Pollution Control Facilities

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

3) Quantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	0	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	916.35	MT/A	Disposal to Mumbai Waste Management Limited, Talaja
4.2 Spent catalyst	306.76	MT/A	Sold to authorized Recyclers
Other Hazardous Waste	11.38	MT/A	Disposal to Mumbai Waste Management Limited, Talaja

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Metallic & other scrap	5690.76	MT/A	Sold to Recycler
Plastic waste	38.28	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	3227	0	0	0	0	0
Rain water harvesting	230	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

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacs)
FRE CIT and Thruput enhancement scheme	Fuel Saving	385
Installation of Ceramic Fibre Module (CFM) at FRE APS, VPS	Efficiency Improvement	128
FRE VPS internals replacement (use of high efficiency packing)	Efficiency Improvement	225

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection

	Environmental Protection Measures	Capital Investment (Lacks)
Generation of LP steam in DIU	Efficiency Improvement	0
To provide Refinery gas for supplementary firing in HRSG 5	Fuel Saving	37
Provision of additional Pressure Control Valve at PFT Overhead in FR APS	Fuel Saving	23

Part-I

Any other particulars for improving the quality of the environment.

Particulars

Combustion efficiency enhancement (Energy efficiency) by way of implementation of schemes mentioned under Environment Schemes

Name & Designation

Ashok Kumar, General Manager - Technical

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000086397

Submitted On:

26-09-2025