

**Half Yearly Compliance Report
2025
01 Dec(01 Apr - 30 Sep)**

Acknowledgement

Proposal Name		Diesel Hydro Treating facilities at Mumbai Refinery, Complex at Mahul, Chembur, Mumbai by M/s HPCL	
Name of Entity / Corporate Office		R S RAO	
Village(s)		N/A	
District		MUMBAI	
Proposal No.	J-11011/415/2008-IA-II(I)	Category	Industrial Projects - 2
Plot / Survey / Khasra No.	N/A	Sub-District	N/A
State	MAHARASHTRA	Entity's PAN	*****1118B
MoEF File No.	J-11011/415/2008-IA-II(I)	Entity name as per PAN	hindustan petroleum corporation limited

Compliance Reporting Details

Reporting Year 2025

Remarks (if any) Diesel Hydro Treating facility (DHT) EC compliance for the period Apr'25 to Sep'25

Reporting Period 01 Dec(01 Apr - 30 Sep)

Details of Production and Project Area

Name of Entity / Corporate Office R S RAO

	Project Area as per EC Granted	Actual Project Area in Possession
Private	0.1	0.1
Revenue Land	0	0
Forest	0	0
Others	0	0
Total	0.1	0.1

Production Capacity

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	LPG, Propylene	Tons per Annum (TPA)	31/08/2025	542000	479300	
2	Naptha (LAN, SCN)	Tons per Annum (TPA)	31/08/2025	252000	488400	
3	Treated Hexane	Tons per Annum (TPA)	31/08/2025	30000	15800	
4	Solvent 1425	Tons per Annum (TPA)	31/08/2025	8500	4500	
5	MS	Tons per Annum (TPA)	31/08/2025	1683000	1858900	
6	Sulphur	Tons per Annum (TPA)	31/08/2025	61000	39300	
7	Asphalt (VG-10, VG-30)	Tons per Annum (TPA)	31/08/2025	780000	734700	
8	Spindle Oil Gr-II	Tons per Annum (TPA)	31/08/2025	32000	68700	
9	MTO	Tons per Annum (TPA)	31/08/2025	48000	97600	
10	ATF	Tons per Annum (TPA)	31/08/2025	600000	552100	
11	SKO	Tons per Annum (TPA)	31/08/2025	52000	71700	
12	Diesel	Tons per Annum (TPA)	31/08/2025	3441000	3565300	
13	IFO	Tons per Annum (TPA)	31/08/2025	969000	943500	
14	500 N Gr-I	Tons per Annum (TPA)	31/08/2025	100000	127600	
15	150 N Gr-II	Tons per Annum (TPA)	31/08/2025	76000	83600	
16	500 N Gr-II	Tons per Annum (TPA)	31/08/2025	92000	49400	
17	Bright	Tons per	31/08/2025	50000	19900	

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details
1	Statutory compliance	M/s HPCL shall comply with the stipulations made in the environmental clearance accorded by the Ministry for the existing plant.
PPs Submission: Complied Complied. This report is submitted as EC conditions compliance report.		Date: 26/11/2025
2	Statutory compliance	M/s HPCL shall comply with new standards/ norms for Oil Refinery Industry notified under the Environment (Protection) Rules, 1986 vide G.S.R. 186(E) dated 18th March 2008.
PPs Submission: Complied Complied		Date: 26/11/2025
3	AIR QUALITY MONITORING AND PRESERVATION	The project authorities shall submit a feasible plan which will be followed to ensure that SO ₂ emission from the refinery does not exceed the stipulated figure of 12.6 TPD at any time.
PPs Submission: Complied Complied		Date: 26/11/2025
4	AIR QUALITY MONITORING AND PRESERVATION	Flue gas desulphurization on FCC shall be installed.
PPs Submission: Complied Flue Gas Scrubber Unit (FGSU) has been installed in both the FCCUs and is in continuous operation.		Date: 26/11/2025
5	Corporate Environmental Responsibility	All equipment and construction being carried to and from the refinery should be done in such a manner as not to create traffic congestion.
PPs Submission: Complied Complied during the construction phase. Project is completed and commissioned.		Date: 26/11/2025
6	AIR QUALITY MONITORING AND PRESERVATION	The process emissions (SO ₂ , NO _x , HC, VOCs and Benzene) from various units should conform to the standards prescribed by the Maharashtra Pollution Control Board from time to time. At no time, the emission levels should go beyond the stipulated standards. In the event of failure of pollution control system(s) adopted by the unit, the unit should be immediately put out of operation and should not be restarted until the desired efficiency has been achieved.
PPs Submission: Complied There are no open Process vents from where emissions (SO ₂ , NO _x , HC, VOCs and Benzene) are emitted. The fugitive emissions from the components are monitored, measured and attended as per the LDAR program. Process Emissions from various units conforms to the standards as prescribed.		Date: 26/11/2025
7	AIR QUALITY MONITORING AND	Ambient air quality monitoring stations, [SPM, SO ₂ , NO _x , H ₂ S, Mercaptan, NMHC and Benzene] should be set up in the Refinery

	PRESERVATION	complex in consultation with SPCB, based on occurrence of maximum ground level concentration and down-wind direction of wind. The monitoring network must be decided based on modeling exercise to represent short term GLCs. Continuous on-line stack monitoring equipment should be installed for measurement of SO ₂ , NO _x , CO and CO ₂ . Low NO _x burners should be installed with online analyzers.
PPs Submission: Complied Presently, 3 nos of CAAQMS are in operation for monitoring of PM _{2.5} , SO ₂ , NO _x , CO, PM ₁₀ , Ozone, Benzene, NH ₃ , H ₂ S, NMHC and Mercaptan. This data is also sent to MPCB server in real time as well. On line Stack monitoring analyzers for SO _x , NO _x , CO, PM are provided for stacks in the refinery. All the stacks are equipped with Continuous online stack monitoring and data is being transferred to MPCB and CPCB servers in real time. Low NO _x burners are being utilized.		Date: 26/11/2025
8	AIR QUALITY MONITORING AND PRESERVATION	Monitoring of fugitive emissions should be carried out as per the guidelines of CPCB by fugitive emission detectors and reports should be submitted to the Ministry's regional office at Bhopal. For control of fugitive emission all unsaturated hydrocarbon will be routed to the flare system and the flare system should be designed for smoke less burning.
PPs Submission: Complied Leak Detection And Repair (LDAR) program for various units of the refinery is in place for monitoring of fugitive emissions. Flare gas recovery compressor is installed for recycling flare gases to Fuel Gas System. All process relief vents are routed to closed flare system. Flare system is designed for smoke less burning.		Date: 26/11/2025
9	AIR QUALITY MONITORING AND PRESERVATION	Fugitive emissions of HC from product storage tank yards etc. must be regularly monitored. Sensors for detecting HC leakage should also be provided at strategic locations. The company should use low sulphur fuel to minimize SO ₂ emission. Sulphur recovery units should have efficiency of 99.5 %. Leak Detection and Repair programme should be implemented to control HC/VOC emissions. Work zone monitoring should be carried out near the storage tanks besides monitoring of HCs/VOCs in the work zone.
PPs Submission: Complied Fugitive emission of HC from product storage tanks is controlled by way of providing primary as well as secondary seals. LDAR program is conducted in the refinery as per norms. Work zone monitoring near storage tanks are being conducted for checking VOC. Both SRUs are connected with Tail Gas Treating Unit. Hydrocarbon detectors are placed at strategic locations throughout the Refinery. Low sulphur fuel is optimized by replenishing with Natural gas.		Date: 26/11/2025
10	WATER QUALITY MONITORING AND PRESERVATION	The waste water should be treated in the waste water treatment plant and the treated effluent should meet the prescribed standards. Efforts should be made to recycle the treated effluent to achieve zero discharge.
PPs Submission: Complied The effluent from all the process units is being treated in the Refinery ETP. Approx. 75 percent treated effluent is being recycled to process for reuse and rest is recycled back to the fire water make up system.		Date: 26/11/2025
11	WASTE MANAGEMENT	The project authorities must strictly comply with the rules and regulation with regard to handling and disposal of Hazardous Wastes (Management, Handling and Trans Boundary Movement) Rules, 1989/ 2003/ 2008 wherever applicable. Authorization from the State Pollution Control Board must be obtained for collections/ treatment/ storage/ disposal of hazardous wastes.

PPs Submission: Complied Provisions under Hazardous Wastes (Management, Handling and Trans Boundary Movement) Rules are being complied. HPCL-Mumbai refinery is a member of CHWTSDf located at Taloja and hazardous waste is being regularly disposed off to this facility and to SPCB authorized recyclers as per CTO.		Date: 26/11/2025
12	Statutory compliance	The company should strictly follow all the recommendation mentioned in the charter on Corporate Responsibility for Environmental Protection (CREP) for the oil refineries.
PPs Submission: Complied Charter of CREP is being complied.		Date: 26/11/2025
13	Risk Mitigation and Disaster Management	The Company should take necessary measures to prevent fire hazards, containing oil spill and soil remediation as needed. At place of ground flaring, the overhead flaring stack with knockout drums should be installed to minimize gaseous emissions during flaring.
PPs Submission: Complied Measures for preventing fire hazards, containing oil spills and soil remediation programs are in place. Flare stack with knockout drums is operational.		Date: 26/11/2025
14	Risk Mitigation and Disaster Management	To prevent fire and explosion at Oil and Gas facility, potential ignition sources should be kept to a minimum and adequate separation distance between potential ignition sources and flammable material should be in place.
PPs Submission: Complied OISD guidelines on distance criteria are being adhered.		Date: 26/11/2025
15	Human Health Environment	Occupational health surveillance of worker should be done on a regular basis and records maintained as per the Factory Act.
PPs Submission: Complied Complied.		Date: 26/11/2025
16	GREENBELT	Greenbelt should be developed to mitigate the effect of fugitive emission all around the plant in a minimum 25% plant area in consultation with DFO as per CPCB guidelines.
PPs Submission: Complied Complied.		Date: 26/11/2025
17	WATER QUALITY MONITORING AND PRESERVATION	The Company should undertake measures for rain water harvesting to recharge the ground water and minimize fresh water consumption.
PPs Submission: Complied Surface drain rain water harvesting reservoir has been constructed including ground water recharging through roof top rainwater harvesting, where ever applicable.		Date: 26/11/2025
18	Human Health Environment	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, Safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

PPs Submission: Complied Housing of construction workers was in the scope of Contractors. Project is completed and commissioned.		Date: 26/11/2025
19	Statutory compliance	The proponent shall upload the status of compliance of the stipulated EC conditions, including monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant namely, SPM, RSPM, SO ₂ , NO _x (Ambient levels as well as stack emissions) VOC and HC, indicated for the project shall be monitored and displayed at the convenient location near the main gate of the Company in the public domain.
PPs Submission: Complied Compliance status of EC conditions are uploaded on the company website. All the Criteria Pollutant data is displayed for general public viewing on the LED screen, real-time basis at the Main Gate of the Company in the public domain.		Date: 26/11/2025
General Conditions		
Sr.No.	Condition Type	Condition Details
1	Statutory compliance	The project authorities must strictly adhere to the stipulations made by the concerned State Pollution Control Board (SPCB) and the State Government and any other statutory body.
PPs Submission: Complied All the stipulations as made by SPCB is being complied and adhered to.		Date: 26/11/2025
2	Statutory compliance	No further expansion or modification in the project shall be carried without prior approval of the Ministry of Environment and Forests. In case of deviations or alternations in the project proposal from those submitted to the Ministry for clearance, a fresh reference shall be made to the Ministry.
PPs Submission: Complied Project is executed as per the granted EC. Unit is being operated as per the valid CTO.		Date: 26/11/2025
3	AIR QUALITY MONITORING AND PRESERVATION	At no time, the emissions shall go beyond the prescribed standards. In the event of failure of any pollution control system, the respective facilities should be immediately put out of operation and should not be restarted until the desired efficiency has been achieved. Provision of adequate height of stack attached to DG sets & flare is to be done.
PPs Submission: Complied Complied		Date: 26/11/2025
4	WATER QUALITY MONITORING AND PRESERVATION	Waste water shall be properly collected and treated so as to conform to the standards prescribed under EP Act & Rules and mentioned in the Consents provided by the relevant SPCB.
PPs Submission: Complied Waste water is collected and treated in Effluent Treatment plant and conforms to the standards prescribed under EP act and Rules.		Date: 26/11/2025
5	Noise Monitoring & Prevention	The overall noise levels in and around the premises shall be limited

		within the prescribed standards (75 dBA) 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. 75 dBA (day time) and 70 dBA (night time).
PPs Submission: Complied Complied		Date: 26/11/2025
6	MISCELLANEOUS	The project authorities must strictly comply with the provisions made in Manufacture, Storage and Import of Hazardous Chemicals Rules 1989 as amended in 2000 for handling of hazardous chemicals etc. Necessary approvals from Chief Controller of Explosives must be obtained before commission of the expansion project, if required. Requisite On-site and Off-site Disaster Management Plans will be prepared and implemented.
PPs Submission: Complied Complied		Date: 26/11/2025
7	MISCELLANEOUS	The project authorities will provide adequate funds as non-recurring and recurring expenditure to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided should not be diverted for any other purposes.
PPs Submission: Complied Complied		Date: 26/11/2025
8	WATER QUALITY MONITORING AND PRESERVATION	The company shall develop rain water harvesting structures to harvest the run-off water for recharge of ground water.
PPs Submission: Complied Rainwater harvesting reservoir for usage of rainwater has been constructed having capacity of 50000 KL. Ground water recharging is also undertaken and completed through roof top rainwater harvesting at Admin locations inside the refinery premises		Date: 26/11/2025
9	Statutory compliance	The stipulated conditions will be monitored by the concerned Regional Office of this Ministry/ Central Pollution Control Board/ State Pollution Control Board. A six monthly compliance report and the monitored data should be submitted to them regularly. It will also be displayed on the Website of the Company.
PPs Submission: Complied Six monthly EC compliance report is submitted. Report is uploaded on Company website also. CEMS and CAAQMS data is transferred to SPCB serves in real time.		Date: 26/11/2025
10	Statutory compliance	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both on hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.
PPs Submission: Complied Complied.		Date: 26/11/2025

11	Statutory compliance	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/representations if any, were received while processing the proposal. The clearance letter shall also put up on the website of the Company by the proponent.
PPs Submission: Complied Complied.		Date: 26/11/2025
12	Corporate Environmental Responsibility	The Project Proponent should inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the State Pollution Control Board/ Committee and may also be seen at Website of the Ministry of Environment and Forests at http://www.envfor.nic.in . This should be advertised within seven days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same should be forwarded to the concerned Regional office of this Ministry.
PPs Submission: Complied Complied		Date: 26/11/2025
13	Statutory compliance	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 Company along with the status of compliance of EC conditions and shall also be sent to the respective regional Office of the MoEF by e-mail..
PPs Submission: Complied Complied.		Date: 26/11/2025
14	Statutory compliance	The project authorities shall inform the Regional Office as well as the Ministry the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project
PPs Submission: Complied Approval: 05-03-2009 Date of Commissioning: October 2013 Financial Closure- December 2014		Date: 26/11/2025
15	WATER QUALITY MONITORING AND PRESERVATION	A separate environment management cell with full-fledged laboratory facilities to carry out various management and monitoring functions shall be set up under the control of a Senior Executive.
PPs Submission: Complied Environment Management Cell is fully functional in the refinery. In house NABL approved Lab for various analysis is in operation.		Date: 26/11/2025
<p style="text-align: center;">Visit Remarks</p>		
Last Site Visit Report Date:		13/08/2024
Additional Remarks:		Diesel Hydro Treating facility (DHT) EC compliance for

the period Apr'25 to Sep'25

Note: This acknowledgement is as per the details submitted by project proponent. In no way is this document to be considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's reference purpose.