

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

Acknowledgement

Proposal Name	Proposed expansion of Mumbai Refinery from 7.5 MMTPA to 9.5 MMTPA at BD Patil Marg, Mahul, Mumbai, Maharashtra by M/s HPCL.		
Name of Entity / Corporate Office	R S RAO		
Village(s)	N/A		
District	MUMBAI SUBURBAN		
Proposal No.	IA/MH/IND2/26662/2014	Category	Industrial Projects - 2
Plot / Survey / Khasra No.	N/A	Sub-District	N/A
State	MAHARASHTRA	Entity's PAN	*****1118B
MoEF File No.	J-11011/413/2014-IA.II (1)	Entity name as per PAN	hindustan petroleum corporation limited

Compliance Reporting Details

Reporting Year	2025
Remarks (if any)	Mumbai Refinery Expansion Project (MREP) - EC conditions compliance for 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	488400	
2	Naptha (LAN, SCN)	Tons per Annum (TPA)	31/08/2025	252000	479300	
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	ATF	Tons per Annum (TPA)	31/08/2025	600000	552100	
7	MTO	Tons per Annum (TPA)	31/08/2025	48000	97600	
8	IFO	Tons per Annum (TPA)	31/08/2025	969000	943500	
9	Sulphur	Tons per Annum (TPA)	31/08/2025	61000	39300	
10	Asphalt (VG-10, VG-30)	Tons per Annum (TPA)	31/08/2025	780000	734700	
11	500 N Gr-II	Tons per Annum (TPA)	31/08/2025	92000	49400	
12	SKO	Tons per Annum (TPA)	31/08/2025	52000	71700	
13	Diesel	Tons per Annum (TPA)	31/08/2025	3441000	3565300	
14	150 N Gr-I	Tons per Annum (TPA)	31/08/2025	70000	99600	
15	150 N Gr-II	Tons per Annum (TPA)	31/08/2025	76000	83600	
16	IO-100	Tons per Annum (TPA)	31/08/2025	15000	12900	
17	500 N Gr-I	Tons per	31/08/2025	100000	127600	

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details
1	Statutory compliance	M/s HPCL shall comply with 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: 29/11/2025
2	AIR QUALITY MONITORING AND PRESERVATION	Continuous on-line stack monitoring for SO ₂ , NO _x and CO of all the stacks shall be carried out.
PPs Submission: Complied On-line stack monitoring facilities are provided to all new stacks under this project also. The existing stacks already have online monitoring facility for these parameters. Complied		Date: 29/11/2025
3	AIR QUALITY MONITORING AND PRESERVATION	The process emissions [SO ₂ , NO _x , HC {Methane and Nonmethane}], VOCs and Benzene from various units shall conform to the standards prescribed under the environment (Protection) Act. At no time, the emission levels shall go beyond the stipulated standards. In the event of failure of pollution control system(s) adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency of the pollution control device has been achieved.
PPs Submission: Complied Complied		Date: 29/11/2025
4	AIR QUALITY MONITORING AND PRESERVATION	Leak Detection and Repair programme shall be prepared and implemented to control HC/VOC emissions. Focus shall be given to prevent fugitive emissions for which preventive maintenance of pumps, valves, pipelines are required. Proper maintenance of mechanical seals of pumps and valves shall be given. A preventive maintenance schedule for each unit shall be prepared and adhered to. Fugitive emissions of HC from product storage tank yards etc. must be regularly monitored. Sensors for detecting HC leakage shall be provided at strategic locations.
PPs Submission: Complied 1. LDAR Programs is in place in existing refinery and same extended to new facilities under this project also. 2. Preventive maintenance of mechanical seals is undertaken periodically. 3. Fugitive emission of hydrocarbon from tank farm is being regularly monitored. 4. Preventive maintenance schedule is drawn for all the units as per OISD and other statutory guidelines. 5. HC detectors have been considered during detail engineering and accordingly installed at site for leak detection. Complied.		Date: 29/11/2025
5	AIR QUALITY MONITORING AND PRESERVATION	SO ₂ emission after expansion from the plant shall not exceed 525 Kg/hr and further efforts shall be made for reduction of SO ₂ load through use of low Sulphur fuel. Sulphur recovery units shall be installed for control of H ₂ S emissions. The overall Sulphur recovery efficiency of Sulphur recovery unit with tail gas treating shall not be less than 99.9%.

PPs Submission: Complied Low Sulphur fuel is fired in heaters and boilers. SO2 emission from the plant does not exceed 525 Kg/hr. Complied		Date: 29/11/2025
6	AIR QUALITY MONITORING AND PRESERVATION	As proposed, record of Sulphur balance shall be maintained at the refinery as part of the environmental data on regular basis. The basic component of Sulphur balance include Sulphur input through feed (Sulphur content in crude oil), Sulphur output from Refinery through products, byproduct (elemental Sulphur), atmospheric emissions etc.
PPs Submission: Complied Sulphur balance is carried out and SO2 emissions were restricted as per compliance limits Complied		Date: 29/11/2025
7	AIR QUALITY MONITORING AND PRESERVATION	Flare gas recovery system shall be installed.
PPs Submission: Complied Flare gas recovery system is already in operation in the existing Refinery. Complied		Date: 29/11/2025
8	AIR QUALITY MONITORING AND PRESERVATION	Ambient air quality monitoring stations, [PM10, PM25, SO2, NOx, H2S, mercaptan, non-methane-HC and Benzene] shall be set up in the complex in consultation with Maharashtra State Pollution Board, 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.
PPs Submission: Complied Refinery has three operational ambient air quality monitoring stations within the premises. Complied		Date: 29/11/2025
9	WATER QUALITY MONITORING AND PRESERVATION	Total freshwater requirement from BMC after expansion of proposed project shall not exceed 538 m3/hr and prior permission shall be obtained from the competent authority.
PPs Submission: Complied Reference is made to the HPCLs letter no. MREP/MoEFCC/02 dated October 24, 2019 submitted to the Member Secretary MoEFCC (kindly refer attached Annexure I). Under clause/ notification 7 (ii)(b) of MoEFCC notification S.O. 3518(E) dated November 23, 2016, HPCL has intimated MoEFCC regarding change in water consumption and effluent generation from the expansion project. The total water consumption post revamp was estimated to be 594 m3/hr. This increase in design water consumption was due to incorporation of detail engineering numbers. However, actual water consumption is maintained below 538 m3/hr. Complied		Date: 29/11/2025
10	WATER QUALITY MONITORING AND PRESERVATION	As proposed, Industrial effluent generation shall not exceed 178 m3/hr after proposed expansion and treated in the integrated effluent treatment plant. Treated effluent shall be recycled/reused within the factory premises. Domestic sewage shall be treated in sewage treatment plant (STP).
PPs Submission: Complied Reference is made to the HPCLs letter no. MREP/MoEFCC/02 dated October 24 2019 submitted to the Member Secretary MoEFCC (kindly refer attached Annexure - I). Under clause/ notification 7 (ii)(b) of MoEFCC notification S.O. 3518(E) dated November 23 2016, HPCL has intimated MoEFCC regarding change in water consumption and effluent generation from the expansion project. The total water effluent generation post revamp was estimated to be 250 m3/hr. This increase in effluent generation was due to incorporation of detail engineering numbers and HPCLs water conservation initiative. Existing ETP is adequate for the same. Domestic sewage is treated in STP.		Date: 29/11/2025

11	WATER QUALITY MONITORING AND PRESERVATION	Automatic mechanical oil catchers/oil traps shall be provided at all possible locations in rain/storm water drainage system inside the factory premises.
PPs Submission: Complied Automatic mechanical oil catchers/oil traps in rain/storm water drainage system inside the factory premises are already in place. Complied		Date: 29/11/2025
12	Corporate Environmental Responsibility	At least 2.5% of the total cost of the project shall be earmarked towards the Enterprise Social Commitment (ESR) based on Public Hearing issues and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office at Bangalore.
PPs Submission: Complied Various ESR activities through Projects have been undertaken which are detailed in attachment.		Date: 29/11/2025
General Conditions		
Sr.No.	Condition Type	Condition Details
1	Statutory compliance	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board (SPCB), state Government and any other statutory authority.
PPs Submission: Complied Complied.		Date: 29/11/2025
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 to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
PPs Submission: Complied Complied.		Date: 29/11/2025
3	AIR QUALITY MONITORING AND PRESERVATION	The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one station is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.
PPs Submission: Complied Refinery has three operational ambient air quality monitoring stations within the premises. Complied		Date: 29/11/2025
4	AIR QUALITY MONITORING AND PRESERVATION	The national Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826 (E) dated 16th November, 2009 shall be followed.
PPs Submission: Complied Complied.		Date: 29/11/2025
5	Noise Monitoring & Prevention	The overall noise levels in and around the plant area shall be kept

		within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
PPs Submission: Complied Complied.		Date: 29/11/2025
6	WATER QUALITY MONITORING AND PRESERVATION	The company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.
PPs Submission: Complied Rainwater harvesting reservoir for utilization of rainwater has been constructed having capacity of 50000 KL. Ground water recharging is also undertaken and completed through roof top rain water harvesting system in Admin area. Complied		Date: 29/11/2025
7	Risk Mitigation and Disaster Management	Training shall be imparted to all employees of safety and health aspects of chemical handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
PPs Submission: Complied Required trainings are carried out. Complied		Date: 29/11/2025
8	Statutory compliance	The company shall also comply with Environmental Protection Measures and safeguard proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, risk mitigation measures and public hearing related to the project shall be implemented.
PPs Submission: Complied Complied		Date: 29/11/2025
9	Corporate Environmental Responsibility	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villages and administration.
PPs Submission: Complied Project is situated within the existing Refinery premises. Various CSR activities are already in place for the surrounding areas. Refer attachment. Complied		Date: 29/11/2025
10	Corporate Environmental Responsibility	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
PPs Submission: Complied Eco-developmental measures including community welfare measures for the overall improvement of the environment in the near vicinity of the Project is being undertaken under CSR. Kindly refer attachment for details. Green belt development is undertaken at MR-II project site which is adjacent to the Refinery. Complied		Date: 29/11/2025
11	Statutory compliance	A separate environment management cell with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.

PPs Submission: Complied A separate environment management cell and a laboratory to carry out the environmental management and monitoring functions is operational. Complied		Date: 29/11/2025
12	Corporate Environmental Responsibility	The company shall earmark sufficient funds towards capital cost and recurring cost per annum 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 earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.
PPs Submission: Complied Noted. Complied		Date: 29/11/2025
13	Statutory compliance	A copy of clearance letter shall be sent by the project 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.
PPs Submission: Complied Complied. Refer attachment. Annexure III Complied		Date: 29/11/2025
14	Statutory compliance	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.
PPs Submission: Complied Six monthly compliance report of the EC conditions is submitted regularly and also posted on HPCL website. Complied		Date: 29/11/2025
15	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 environmental clearance conditions and shall also be sent to the respective Regional Office of MoEF by e-mail.
PPs Submission: Complied Form-V of FY 2024-25 is attached. Complied		Date: 29/11/2025
16	MISCELLANEOUS	The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/ Committee and may also be seen at Website of the Ministry at http://moef.nic.in . This shall 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 shall be forwarded to the concerned Regional Office of the Ministry.

PPs Submission: Complied Advertisement regarding grant of Environmental Clearance was published on February 28, 2017 in Times of India in English. Published on March 1, 2017 in Navbharat Times in Hindi and Maharashtra Times in Marathi. Kindly refer attachment. Complied		Date: 29/11/2025
17	MISCELLANEOUS	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 Project start date: November, 2017. CTE from MPCB: May 25, 2018. Intimation letter for change in project configuration submitted to MoEFCC, New Delhi on July 20, 2018 as there is no change in pollution load. Revised CTE for change in configuration from MPCB: March 26, 2019. CTO by MPCB: Sept 20, 2021. Financial closure: March, 2025 Complied		Date: 29/11/2025
<p style="text-align: center;">Visit Remarks</p>		
Last Site Visit Report Date:		13/08/2024
Additional Remarks:		Mumbai Refinery Expansion Project (MREP) - EC compliance for period of Apr'25 to Sep'25
<p>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.</p>		