MAHARASHTRA POLLUTION CONTROL BOARD

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ORANGE/M.S.I (R1)/ Rev. ORANGE/I.S./(151.3) No:- Format1.0/RO(BMW)/UAN No.MPCB-CONSENT-0000246076/CR/2509000612

To, M/s Indian Oil Corporation Ltd. (Bulk Petroleum Depot)., Wardha Road, Khapri, Tal. & Dist. Nagpur



Date: 09/09/2025

Sub: Renewal of Consent under ORANGE category.

Ref: Consent to Operate granted by the Board vide No. Format 1.0/RO(BMW)/

UAN No. 0000174022/CO/2401002939 dated 30/01/2024 valid up to

31/07/2025.

Your application No.MPCB-CONSENT-0000246076 Dated 05.05.2025

For: grant of Renewal of Consent to Operate under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 6 and Rule 18(7) of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules 2016 is considered and the consent & authorization is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

- 1. The consent to renewal is granted for a period up to 31/07/2029
- 2. The capital investment of the project is Rs.20.096 Crs. (As per C.A Certificate submitted by industry)
- 3. Consent is valid for the manufacture of:

Sr No	Chemical Name	Tank Capacity	No. of Tanks	Туре	мос	Total Handling	иом
1	Motor Spirit	4010	NA	NA	NA	4010	KL/M
2	Superior Kerosene Oil	4900	NA	NA	NA	4900	KL/M
3	High Speed Diesel	9200	NA	NA	NA	9200	KL/M
4	L.D.O	200	NA	NA	NA	200	KL/M
5	Furnace Oil	5000	NA	NA	NA	5000	KL/M
6	Lube Oi	400	NA	NA	NA	400	KL/M
7	Ethanol	15300	NA	NA	NA	15300	KL/M

4. Conditions under Water (P&CP), 1974 Act for discharge of effluent:

Sr No	Description	Permitted (in CMD)	Standards to	Disposal Path
1.	Trade effluent	0.0	As per Schedule-I	Not Applicable
2.	Domestic effluent	2.4	As per Schedule-I	On land for gardening

5. Conditions under Air (P& CP) Act, 1981 for air emissions:

Sr No.	Stack No.	Description of stack / source	Number of Stack	Standards to be achieved
1	0	NA	0	As per Schedule -II

6. Non-Hazardous Wastes:

Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
		NA			

7. Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for Collection, Segregation, Storage, Transportation, Treatment and Disposal of hazardous waste:

Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
1	3.1 cargo residue, washing water and sludge containing oil	1.4	KL/A	NA	CHWTSDF

- 8. The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding on the industry.
- 9. This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.
- 10. The industry shall obtain permission from Directorate of Industrial Safety & Health (DISH).
- 11. Onsite and Offsite emergency plan prepared, shall be executed as and when required.
- 12. This consent is issued pursuant to the License dated 08/02/2024 issued by Petroleum & Explosives Safety Organization (PESO).
- 13. The applicant shall make an application for renewal of consent 120 days prior to date of expiry of the consent.

14. The industry shall create an Environment Cell by appointing an Environmental Engineer OR Expert for looking after day-to-day activities related to Environment OR Pollution control.

This consent is issued on the basis of information/documents submitted by the Applicant/Project Proponent, if it has been observed that the information submitted by the Applicant/Project Proponent is false, misleading or fraudulent, the Board reserves its right to revoke the consent & further legal action will be initiated against the Applicant/Project Proponent.

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	100000.00	TXN2505004664	21/05/2025	Online Payment

Copy to:

- 1. Regional Officer, MPCB, Nagpur and Sub-Regional Officer, MPCB, Nagpur II
- They are directed to ensure the compliance of the consent conditions.
- 2. Chief Accounts Officer, MPCB, Sion, Mumbai

SCHEDULE-I

Terms & conditions for compliance of Water Pollution Control:

- $1. \hspace{0.1in} \mathsf{A}] \hspace{0.1in} \mathsf{Generation} \hspace{0.1in} \mathsf{-} \hspace{0.1in} \mathsf{Nil}$
 - B] Treatment NA
 - C] Disposal NA
- 2. A] As per your application, you have provided Septic Tank followed by Soak pit for the treatment of 2.4 CMD of sewage.
 - B] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards.

Sr.No	Parameters	Standards (mg/l)	
1	Suspended Solids	Not to exceed	50
2	BOD 3 days 27oC	Not to exceed	30

- C] The treated sewage shall be recycled for secondary purposes to the maximum extent and remaining shall be discharged on land for gardening within premise after confirming above standards. In no case, sewage shall find its way for gardening / outside factory premises.
- 3. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification there of & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.
- 4. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
- 5. The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, by installing water meters and other provisions as contained in the said act:

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	0.00
2.	Domestic purpose	3.50
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	0.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Gardening	0.5

6. The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance/ CREP guidelines.

SCHEDULE-II

Terms & conditions for compliance of Air Pollution Control:

1. As per your application, you have provided the Air pollution control (APC) system and erected following stack (s) to observe the following fuel pattern:

Stack No.	Source	APC System provided/pro posed	Stack Height(in mtr)	Type of Fuel	Sulphur Content(in %)	Pollutant	Standard
0	NA	NA	0.00	-	-	NA	-

- 2. The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance / CREP guidelines.
- 3. Industry shall obtain permission from Petroleum & Explosives Safety Organization (PESO) for handling Petroleum Products.
- 4. Industry shall use vapour balancing truck/wagon for transportation of Petroleum Products.
- 5. Truck/Wagon filling bays shall be equipped with vapour collection & treatment system.
- 6. The project authority shall strictly comply with the provision made in manufacture, storage and import of Hazardous chemicals rule, 1989 as amended in 2000 and the Public Liability Insurance act for handling of hazardous chemicals etc. Necessary approvals from Chief controller of explosives, PESO and other authorities must be obtained before commissioning of project. Requisite onsite and offsite disaster management plan shall be prepared and implemented.

7. Standards for Emissions of VOC pollutants:

Sr.no	Petrochemical process/ compounds	Maximum emission limit (mg/ Nm³) dry basis
1.	MA, PA, Phenol	20
2.	Ethyl benzene (EB), Styrene, Toulene, Xylene, Aromatics, EG, PG	100
3.	Non-methane HC (paraffin), Acetone, olefins.	150

- 8. Storage of Volatile Liquids: General Petroleum Products
 - 1. Storage tanks with capacity between 4 to 75m³ and total vapour Pressure (TVP) of more than 10 kpa should have Fixed Roof Tank (FRT) with pressure value vent.
 - 2. Storage tanks with capacity between 75 to 500 m³ and total vapour pressure (TVP) of 10 to 76 kpa should have Internal Floatig Roof Tank (IFRT) or External Floating Roof Tank (EFRT) or Fixed Roof Tank with vapour control or vapour balancing system.
 - 3. Storage tanks with capacity of more than 500m³ and Total Vapour Pressure (TVP) of 10 to 76 kpa sould have Internal Floating Roof Tank or External Floating Roof Tank or Fixed Roof Tank with vapour control system.
 - 4. The tanks with the capacity more than 75 m³ and total vapour pressure (TVP) of more than 76 kpa should have Fixed Roof Tank with vapour control system.
 - 5. Requirement of seats in floating roof tank
 - (i)(a) IFRT and EFRT shall be provided with double seals with minimum vapour recovery of 96%.
 - (b) Primary seal shall be liquid or shoe mounted for EFRT and vapour mounted for IFRT. Maximum seat gap width will be 4cm and maximum gap area will be 200 cm²/m of tank diameter.

- (c) Secondary seal shall be rim mounted, Maximum Seal Gap width will be 1.3 cm and maximum gap area will be 20 cm²/m of tank diameter.
- (d) Material of seal and construction shall ensure high performance and durability.
- (ii) Fixed Roof Tank shall have vapour control efficiency of 95% and vapour balancing efficiency of 90%
- (iii) Inspection and maintenance of storage tanks shall be carried out under strict control. For the Inspection, API RP 575 may be adopted. In-Service inspection with regard seal gap should be carried out Once in every six months and repair to be implemented in short time, In future, possibility of on-stream of both seats shall be examined.

9. Storage of Volatile Liquids:Benzene Storage

- 1. FRT with vapour to incineration with 99.9% of removal efficiency for volatile organic compounds (VOC) shal be provided.
- 2. IFRT/ EFRT with double seals, emission-reducing roof fitting and fitted with fixed roof with vapour removal efficiency of at least 99% shall be provided.
- Solvent for lube-based oil production (furtural, NMP MEK, Toluene and MIBK)
 IFRT with double seal and inert gas blanketing with vapour removal efficiency of at least 99% shall be provided.

Emission control for loading of Volatile Products in Road tank truck/ Rail tank wagon loading					
Gasoline and Naptha: (i) VOC reduction % (ii) Emission, gm/m³	(i) 99.5 (ii) 5				
Benzene: (i) VOC reduction % (ii) Emission, gm/m³	(i) 99.99 (ii) 20				
Toluene/Xylene: (i) VOC reduction % (ii) Emission, gm/m³	(i) 99.98 (ii) 150				

10 Standards of Equipment Leaks:

- Approach for controlling fugitive emissions from equipment leaks shall have proper selection, installation and maintenance of non-leaking or leak-tight equipment. Following initial testing after commissioning, the monitoring for leaks direction is to be carried out as a permanent on-going leak detection and repair (LDAR) programme. Finally detected leaks are to be repaired within allowable time frame.
- Component to be covered: Components that shall be covered under LDAR programme include (i) Block valves; (ii) Control Valves; (iii) Pump Seals; (iv) Compressor Seals; (v) Pressure relief valves; (vi) Flanges Heat Exchangers; (vii) Flanges Piping; (viii) Connectors Piping; (ix) Open ended (x) Sampling connections, Equipment and line sizes more than 1.875 cm or 3/4 inch are to be covered.
- 3. Applicability: LDAR programme would be applicable to components (given at 2 above) for following products/compounds: (i) hydrocarbon gases; (ii) light liquid with vapour pressure @ 20 $^{\circ}$ C > 10 kPa; and (ii) Heavy liquid with vapour pressure @ 20 $^{\circ}$ C between 0.3 to 1.0 kPa.

- 4. While LDAR will not be applicable for heavy liquids with vapour pressure < 0.3 kPa. It will be desirable to check for liquid dripping as indication of leak.
- 5. Definition of Leak: leak is defined as the detection of VOC concentration more than the values (in ppm) specified below at the emission source using hydrocarbon analyzer according to measurement protocol (US EPA 453/R-95-017), 1995 Protocol for equipment leak emission estimated may be referred to:

	General Hydroc	arbon (ppm)	Benzene (ppm)		
Component	Till 31 st Dec	w.e.f January 01,	Till 31 st Dec	w.e.f January	
	2008	2009	2008	01, 2009	
Pump/Compressor	10000	5000	3000	2000	
Valves/Flanges	10000	3000	2000	1000	
Other Components	10000	3000	2000	1000	

- 6. In addition, any component observed to be leaking by sight, sound smell, regardless of concentration (liquid dripping, visible vapour leak) or presence of bubbles using soap solution should be considered as leak.
- 7. Monitoring Requirements and Repair Shcedule: Following frequency of monitoring of leaks and schedule for repair of leaks shall be followed:

Component	Frequency of monitoring	Repair Schedule
	Quarterly (semiannual after two consecutive periods with < 2% leaks and annual after 5 periods with < 2% leaks)	
Pump seals	Quarterly	completed within 15
Compressor seals	Quarterly	working days after
Pressure relief devices	Quarterly	detection of leak for general hydrocarbons.In case of
Pressure relief devices (after venting)	Within 24 hours	benzene, the leak shall be attended immediately for
Heat Exchangers	Quarterly	repair.
Process drains	Annually	
Component that are difficult to monitor	Annually	
Pump seals with visible liquid dripping		Immediately
Any component with visible leaks	Immediately	Immediately
Any component after repair/ replacement	within five days	-

8. The percentage leaking component should not be more than 2% for ant group of components, monitored excluding pumps/ compression. In case of pumps/ compressors it should be less than 10% of the total number of pumps/ compressions or three pumps and compressors, whichever is greater.

- Emissions inventory: Refinery shall prepare on inventory of equipment components in the plant. After the instrumental measurement of leaks, emission from the components will be calculated using stratified emission factors (USEPA) or any other superior factors. The total fugitive emission will be established.
- 10. Monitoring: Following types if monitoring methods may be judiciously employed for detection of leaks: (i) Instrumental method of measurement of leaks; (ii) Audio, visual and olfactory (AVC)leak detection; and (ii) Soap bubble method.
- 11. Data on time of measurement and concentration value for leak detection; time of repair of leak; and time of measurement & concentration value after repair of leak should be documented for all the components.
- 12. Pressure relief and blow down systems should be discharge to a vapour collection and recovery system or to flare.
- 13. Open-ended lines should be closed by a blind flange or plugged.
- 14. Totally closed-loop should be used in all routine samples.
- 15. Low emission packing should be used for values.
- 16. High integrity sealing materials should be used for flanges.
- 11. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
- 12. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).



SCHEDULE-III

Details of Bank Guarantees:

Sr. No	Consent (C2E/ C2O /C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
			NA			

If the above Bank Guarantee is not submitted within stipulated period, then 12% interest will be levied as a penalty as per circular dtd 29/02/2024 No. BO/MPCB/AS(T)/Circular/B-240229FTS0122

BG Forfeiture History

Srno.	Consent (C2E/C2O/C2R)	Amount of BG imposed	Submission Period	Purpose of BG	Reason of BG Forfeiture
			NA		

BG Return details

Srno. Consent (C2E/C2O/C2R)	BG imposed	Purpose of BG	Amount of BG Returned
	N	A	



SCHEDULE-IV

General Conditions:

- 1. The Energy source for lighting purpose shall preferably be LED based
- 2. The PP shall harvest rainwater from roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial applications within the plant
- 3. Conditions for D.G. Set
 - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
 - b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
 - c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper sitting and control measures.
 - d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
 - e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
 - f) D.G. Set shall be operated only in case of power failure.
 - g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
 - h) The applicant shall comply with the notification of MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.
- 4. The applicant shall maintain good housekeeping.
- 5. The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
- 6. The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
- 7. The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding upon you.
- 8. The industry shall submit quarterly statement in respect of industries obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can downloaded from MPCB official site).
- 9. The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
- 10. The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification No. B-29016/20/90/PCI-L dated. 18.11.2009 as amended.
- 11. This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.

- 12. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
- 13. You shall operate OCEMS installed for source emission round 'O' clock and transmit data online to CPCB and MPCB server. You shall also monitor effluent quality, stack emissions and ambient air quality monthly/quarterly. You shall conduct Dioxin Furan monitoring by third party NABL Accredited agency once in year and submit report to Sub Regional Officer.
- 14. You shall ensure collection, and segregation of BMW regularly to treat and dispose Off within 48 hrs from generation.
- 15. Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
- 16. The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent.
- 17. The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the Hazardous and Other Wastes (M & TM) Rules 2016, which can be recycled /processed /reused /recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc. should go for that purpose, in order to reduce load on incineration and landfill site/environment.
- 18. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- 19. You shall not Rent, Lend, Sell, Transfer or Close Down the facility or otherwise transport the Bio Medical waste for any other purpose without obtaining prior written permission of the MPC Board.
- 20. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
- 21. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
- 22. The industry should not cause any nuisance in surrounding area.
- 23. The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
- 24. You shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the facility premises.

- 25. The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
- 26. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto
- 27. The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
- 28. The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end.
- 29. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions.
- 30. The firm shall submit to this office, the 30th day of September every year, the Environment Statement Report for the financial year ending 31st March in the prescribed FORM-V as per the provisions of Rule 14 of the Environment (Protection) (second Amendment) Rules, 1992.
- 31. You should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly. You shall conduct Dioxin Furan monitoring by third party NABL Accredited agency once in every year and submit report to Sub Regional Officer.
- 32. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
- 33. The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
- 34. You shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
- 35. You shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act, 1986 and industry specific standard under EP Rules 1986 which are available on MPCB website (www.mpcb.gov.in).
- 36. You shall create the Environmental Cell by appointing an Environmental Engineer and Chemist for looking after day-to-day activities related to compliance of CCA.

This certificate is digitally & electronically signed.					
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			स्हाराष्ट्र		