



State Environment Impact Assessment Authority, M.P.
(Government of India, Ministry of Environment & Forests)

Environmental Planning Coordination Organization (EPCO)
Paryavaran Parisar, E-5. Arera Colony
Bhopal-4620 16

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No: 7633 /SEIAA/2015
Date: 13.11.15

To,
Shri D.M. Nimje, Dy. General Manager (Operations)
Indian Oil Corporation,
M.P. State Office, 16, Arera Hills, Jail Road,
Bhopal (M.P.) – 462011,


Sub:- Case No. 714/2013 Prior Environment Clearance for proposed expansion project for development of additional tankage of MS & ATF and Tank Truck Loading Facility at existing IOCL terminal at Bangrod, District Ratlam by Shri D.M. Nimje, Dy. General Manager (Operations) Indian Oil Corporation, M.P. State Office, 16, Arera Hills, Jail Road, Bhopal (M.P.) – 462011, Ph. No. 0755-2524800, Email- subratat@indianoil.in, Environment Consultant Shriram Institute for Industrial Research, Delhi.

Ref: Your application dtd. 25.02.2012 received in SEIAA office on 25.02.2012

With reference to above, the proposal has been appraised as per prescribed procedure & provisions under the EIA notification issued by the Ministry of Environment & Forests vide S.O. 1533 (E), dated 14th September 2006 and its amendments, on the basis of the mandatory documents enclosed with the application viz., Form I, pre-feasibility report, ToR, EIA Report, ppt. and additional clarifications furnished in response observations by the State Expert Appraisal Committee (SEAC) and State Environment Impact Assessment Authority (SEIAA) constituted by the competent Authority.

- (i) The project pertains to the proposed expansion project for additional of tankage for MS & ATF and Tank Truck Loading Facility at existing IOCL terminal at Bangrod, District Ratlam. – 462011. Earlier prior Environmental Clearance was granted by MoEF & CC vide letter No. J-11011/69/2005-IA II (I), dated 17.05.2006. PP has submitted compliance report of earlier prior EC certified by MoEF & CC Regional Office, Bhopal (dtd. 18.08.2015). Major Activities of Existing and proposed IOCL Terminal at Bangrod (Ratlam) are as follows :-

	Product	No. of Tanks	Tankage size	Total tankage
Existing	MS	3	2 x 8620 & 1 x 5203	22443 KL
	SKO	3	3 x 5180	15540 KL
	HSD	3	3 x 11655	34965 KL
	ATF	3	3 x 1500	4500 KL
Proposed	MS	2	2 x 5652	11304 KL
	ATF	1	1 x 4559	4559 KL


(Ajatshatru Shrivastava)
Member Secretary


Case No. 714/2012

Issued vide letter no. dated

Case No.: To be quoted in registered cases for correspondence

- (ii) There is no interstate boundary within 10 km and no National Park / Sanctuary within the 5 km of the project area hence the general conditions are not attracted.
- (iii) The total existing area of the project is 35.17 ha. Out of this PP has submitted notarized copy of Khasra Panchsala 2011-2012 for the land 31.410 ha and also submitted Collector, Ratlam allotment order dtd 14.08.2008 for the area 3.780 ha.
- (iv) Public Hearing was held on 18.02.2014 at project site IOCL Terminal at village Bagroad, District Ratlam under the Chairmanship of Joint Collector District Ratlam.
- (v) The total existing area of the project is 35.17 ha. Out of this PP has submitted notarized copy of Khasra Panchsala 2011-2012 for the land 31.410 ha and also submitted Collector, Ratlam allotment order dtd 14.08.2008 for the area 3.780 ha.
- (vi) The total water requirement is 11 MLD (Domestic-5 MLC, Gardining-5 MLD & Hydrant Tank-1 MLD). The source of water for the project is ground water. PP has submitted acknowledgement no. 21-4(140) NCR/CGWA dtd. 03.12.12 for extraction of ground water.
- (vii) The waste water generated 3.8 KLD from terminal and PP has proposed oil water separator (OWS) to treat effluent from the terminal. Domestic waste water (3.5 KLD) will be disposed of through septic tank followed by soak pit.
- (viii) Hazardous waste generation from cleaning of storage tanks reported to be once in five years. The waste is being disposed off through CTSD. PP has obtained Membership from RAMKY, Pithampur, Dhar for disposal of Hazardous Waste.
- (ix) PP has included risk assessment, emergency plan, health and safety and fire fighting in the EIA report.
- (x) The total power requirement is 1000 KVA. The source of electricity is M. P. Pashcim Khhetra Vidyut Vitran Co. Ltd. PP has also provided power back up 2 nos. DG sets of 500 KVA & 1 no. of 200 KVA.
- (xi) PP has proposed 38700 sq.m. to be developed as green area along the periphery of the terminal.
- (xii) Under Corporate Social Responsibility PP has proposed construction of toilets for girls schools in Bangrod & Ratlam.

Based on the information submitted at Para i to xii above and others, the State Level Environment Impact Assessment Authority (SEIAA) considered the case in its 254th meeting held on 31.10.2015 and decided to accept the recommendations of 223rd SEAC meeting held on dtd 15.09.15.


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2 of 5

Hence, Prior Environmental Clearance is accorded under the provisions of EIA notification dtd. 14th September 2006 to the proposed expansion project for development of additional tankage of MS & ATF and Tank Truck Loading Facility at existing IOCL terminal at Bangrod, District Ratlam by Shri D.M. Nimje, Dy. General Manager (Operations) Indian Oil Corporation, M.P. State Office, 16, Arera Hills, Jail Road, Bhopal(M.P.) – 462011, Ph. No. 0755-2524800, Email-subratab@indianoil.in, Environment Consultant Shriram Institute for Industrial Research, Delhi subject to the compliance of the Standard Conditions enclosed at Annex-I and the following additional Specific Conditions as recommended by SEIAA & SEAC in its meetings.

A. Specific Conditions as recommended by SEIAA


1. PP should ensure the implementation of the observations of MOEF & CC RO, Bhopal report dtd 18.08.2015.
2. Adequate buffer zone around the tank age facilities, as may be required as per IOCL or other statutory requirements.
3. VOC and HC shall be regularly monitored in the work zone in the plant along with other parameters and data shall be submitted to MPPCB and R.O. of MoEF.
4. The company shall construct garland drain all around the project site to prevent runoff of any oil containing waste into the nearby water bodies. Separate drainage shall be created for oil contaminated and non-oil contaminated streams. During rainy seasons, the storm water drains shall be connected to oil water separator and passed through guard pond. Water quality monitoring of guard pond shall be conducted.
5. The project authorities shall comply with the provision made in Manufacture, storage and Import of Hazardous Chemicals Rules 1989, as amended and the Public Liability Insurance Trans – boundary Movement) Rules 2008.
6. Company shall obtain all requisite clearance for fire safety and explosives and shall comply with the stipulations made by the respective authorities.
7. Green area including thick green-belt shall be developed in at least 33% of the plot area to mitigate the effect of fugitive emissions all around the plant in consultation with the forest department as per the guidelines of CPCB.
PP should ensure to provide two rows of thick canopy trees along the right side boundary wall (opposite to administrative building and the missing portion on the left side of the boundary wall).
8. All recommendations mentioned in the EMP/ DMP shall be binding for the project authorities.
9. Dedicated parking facility for loading and unloading of material shall be provided in the plant. Management shall develop and implement god traffic management system for incoming and outgoing vehicles to avoid congestion on public road.


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10. Occupational health surveillance of worker should be done on a regular basis and maintained as per the Factory Act.
11. The project authorities shall comply with the provision made in Manufacture, storage and Import of Hazardous Chemicals Rules 1989, as amended and the Public Liability Insurance Trans – boundary Movement) Rules 2008.
12. PP should ensure the implementation of above CSR activities on regular basis. PP should also made budgetary provision for health, education, water and sanitation etc. in and around the project area.
13. PP should prepare off-site and on-site emergency plans and carry out mock drills in consultations and coordination with the District Administration and as per safety rules of the Industrial Health and Safety.
14. All other conditions as laid in the earlier EC and the consents of MPPCB shall be applicable.

B. Specific Conditions as recommended by SEAC

15. The compliance of conditions of EC should be firmly made by the PP as per the schedule.
16. Necessary budgetary allocations be made by the PP for proposed Environmental Management Schemes.
17. Budget utilized for Environmental Management Schemes should be yearly audited and same be submitted to the MoEF & CC.
18. Adequate buffer zone around the tankage facilities, as may be required as per OSID or other statutory requirements.
19. VOC and HC shall be regularly monitored in the work zone in the plant along with the other parameters and data shall be submitted to MPPCB and R.O of MoEF & CC.
20. The company shall construct garland drain all around the project site to prevent runoff of any oil containing waste into the nearby water bodies. Separate drainage shall be created for oil contaminated and non-oil contaminated streams. During rainy season, the storm water drains shall be connected to oil water separator and passed through guard pond. Water quality monitoring of guard pond shall be conducted.
21. The project authorities should comply with the provisions made in Manufacture. Storage and Import of Hazardous Chemicals Rules 1989, as amended and the Public Liability Insurance Act for handling of hazardous chemicals etc. All Hazardous Waste (management, handling & Transboundary Movement) Rules 2008.


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22. Company shall obtain all requisite clearances for fire safety and explosives and shall comply with the stipulations made by the respective authorities.
23. Green area including thick green-belt shall be developed in at least 33% of the plot area to mitigate the effect of fugitive emissions all around the plant in consultation with the forest department as per the guidelines of CPCB.
24. All recommendations mentioned in the EMP / DMP shall be binding for the project authorities.
25. Dedicated parking facility for loading and unloading of material shall be provided in the plant. Management shall develop and implement good traffic management system for incoming and outgoing vehicles to avoid congestion on public road.

Standard Conditions - Encl: Annex-I

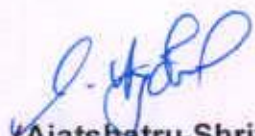

(Ajatshatru Shrivastava)
Member Secretary

Endt No. ⁷⁶³⁴ / SEIAA/ 15
Copy to:-

Dated 13.11.15 

- (1). Principal Secretary, Urban Development & Environment Deptt. 3rd Floor, Mantralaya Vallabh Bhawan, Bhopal.
- (2). Secretary, SEAC, Research and Development Wing Madhya Pradesh Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony Bhopal-462016.
- (3). Member Secretary, Madhya Pradesh Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony, Bhopal-462016.
- (4). The Collector, District Ratlam M.P.
- (5). M.D.MPAKVN (B), 1st Floor, Tawa Complex, Bittan Market, E-5, Arera Colony, Bhopal - 462 016, M.P.
- (6). Director, I.A. Division, Monitoring Cell, MoEF, Gol, Ministry of Environment & Forest Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi – 110 003
- (7). Director (S), Regional office of the MOEF, (Western Region), Kendriya Paryavaran Bhawan, Link Road No. 3, Ravi Shankar Nagar, Bhopal-462016.
- (8). Guard file.

Encl: Standard Conditions (Annex-I)


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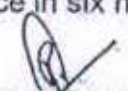
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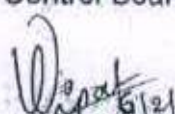
State Environment Impact Assessment Authority, M.P.
(Government of India, Ministry of Environment & Forests)
Research and Development Wing, Madhya Pradesh Pollution Control Board,
Paryavaran Parisar, E-5. Arera Colony, Bhopal-4620 16

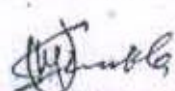
Standard Conditions related to Activity 6 (b) – Isolated storage and handling of hazardous chemicals of Category B projects under the Schedule of Ministry of Environment and Forests, GoI Notification dtd 14-09-06

Annex-I

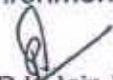
1. Any enhancement of capacity, change in technology, modernization and scope of working shall again require prior environmental clearance as per EIA notification, 2006.
2. Environment Management Plan (EMP) should be strictly in accordance to the finding of environmental impact assessment.
3. Execution of all activities /- mitigative measures proposed by PP in Environmental management plan and approved by SEAC must be ensured.
4. All parameters listed in Environmental Monitoring Plan approved by SEAC must be monitored at approved locations and frequencies. PP shall submit a copy of Environmental Management Plan & Environmental Monitoring Plan duly approved by SEAC within one month of issue of EC to SEIAA and concerned Regional Office, MoEF, GoI.
5. The National Ambient Air Quality Emission Standards issued by the Ministry vide GSR no.826(E) dtd 16.11.2009 shall be followed.
6. Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transportation of raw material and others shall have valid permissions as prescribed under Central Motor Vehicle Rules, 1989 and its amendments. No overloading of raw material for transportation shall be committed.
7. Periodic monitoring shall be carried out as per norms for RPM, SPM, SO2, NOx LPG, VOC and HC monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the M. P. Pollution Control Board. The monitored data for criteria pollutants shall be regularly uploaded on the company's website and displayed.
8. Gaseous emissions including secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the CPCB.
9. Data on ambient air quality (RSPM, SPM, SO2, NOx) should be regularly submitted to the Regional office of the Ministry of Environment and Forest, Bhopal and the M.P. Pollution Control Board / Central Pollution Control Board once in six months.

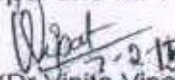

(Dr R K Jain)
Officer-in-Charge



(Dr Vinita Vipat)
Officer-in-Charge


(Dr U M Shukla)
Officer-in-Charge

10. Water sprinkling shall be done to control fugitive emissions. Monitoring of fugitive emission in the work zone environment shall be carried out regularly as per the CPCB guidelines and reports submitted to Madhya Pradesh PCB/CPCB and Ministry's Regional Office at Bhopal.
11. Industrial waste water shall be properly collected and treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 as amended from time to time. The treated wastewater shall be utilized for plantation and dust suppression purpose. Domestic waste water treated in septic tank and soak pit.
12. The project proponent shall develop rain water harvesting structures to harvest the rain water for utilization in the lean period besides recharge of ground water.
13. Measure shall be taken for control of noise level below 75dBA in the work environment. Workers should be provided with ear plugs/mufs.
14. All solid waste shall be properly utilized or disposed off in environment friendly manner or in secured landfills within the plant premises as per the CPCB guidelines. Waste oil and oily sludge shall be provided to registered recyclers/reprocessors as per CPCB guidelines.
15. Proper housekeeping shall be ensured and all the raw material including scrap, coal, slag, sludge and oily waste shall be stored separately in designated place only. All the other solid wastes including broken refractory mass shall be properly disposed off in environment – friendly manner.
16. The proponent shall provide housing for construction labor within the site with all necessary infrastructures 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.
17. Personnel working shall be provided with protective respiratory devices and they shall be imparted adequate training and information on safety and health aspects.
18. All the measures regarding occupational health surveillance of the workers shall be undertaken and regular medical examination of all the employees shall be ensured as per the Factories Act and records maintained.
19. A separate Environmental Management Cell with suitable qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
20. The project authorities shall inform to the Regional office of the Ministry of Environment and Forest, Bhopal and MPPCB final approval of the project by the concerned authorities and the date of start of land development work.
21. The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year wise expenditure shall be reported to the Regional office of the Ministry of Environment and Forest, Bhopal and MPPCB.


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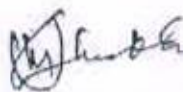

 (Dr Vinita Vipat)
 Officer-in-Charge


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 Officer-in-Charge

- 22. The Regional Office, MoEF, Gol, Bhopal and MP PCB shall monitor compliance of the stipulated conditions. A complete set of documents including Environment Impact Assessment Report, Environmental Management Plan and other documents information should be given to Regional Office of the MoEF, Gol at Bhopal, MPPCB and concerned agencies as per EIA notification.
- 23. Action plan with respect to suggestion/improvement and recommendations made and agreed during public hearing consultation, if any, shall be submitted to the Regional office of the MoEF, Bhopal and MPPCB to the competent authority of the State Govt. within six months.
- 24. The Project Proponent has to submit half yearly compliance report of the stipulated prior environmental clearance terms and conditions in hard and soft copy to the Regulatory Authority on 1st June and 1st December of each calendar year as per EIA notification 2006 and its amendments.
- 25. A copy of the environmental clearance shall be submitted by the Project Proponent to the Heads of the local bodies, Panchayat and municipal bodies as applicable in addition to the relevant officers of the Government who in turn has to display the same for 30 days from the date of receipt.
- 26. The project proponent has to strictly follow directions/guideline issued by the MoEF, Gol, CPCB and other Govt. agencies from time to time.
- 27. The Project Proponent shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the State Level Environment Impact Assessment Authority (SEIAA) website at www.mpseiaa.nic.in and a copy of the same shall be forwarded to the Regional Office, MoEF, Gol, Bhopal and MP PCB.
- 28. The SEIAA of M.P. reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
- 29. The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
- 30. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- 31. Any appeal against this prior environmental clearance shall lie with the Green Tribunal, if necessary, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.



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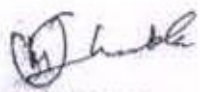

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- 32. The conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules.
- 33. The proponent shall upload the status of compliance of the stipulated EC 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, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely, SPM, RSPM, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- 34. The prior environmental clearance granted for the project is valid for a period of five years as per EIA notification 14/09/2006.
- 35. The corporate social responsibilities as envisaged in the Office Memorandum dated 18/05/2012 of MOEF GOI should be ensured.
- 36. The Environment statement for each financial year ending 31st March in Form-V 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 Regional Office of MoEF.
- 37. Project Proponent shall explore the possibility of using solar energy where ever possible.
- 38. The company shall make the arrangement for protection of possible fire hazards.
- 39. The project authority shall strictly comply with the provisions made in Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989, as amended in 2000 and the Public Liability Insurance Act for handling of hazardous chemicals etc. Necessary approvals from Chief Controller of Explosives and other authorities must be obtained before commissioning of the project. Requisite on site and off site Disaster Management Plans / emergency response plans as per the guidelines of Govt. of India shall be prepared and implemented. Mock drill shall be conducted quarterly.
- 40. The Project authority shall obtain all requisite clearances for fire safety and explosives and shall comply with the stipulation made by the respective authorities. All safety measures shall be ensured during unloading, filling and at transfer points etc. Latest fire fighting system shall be ensured.
- 41. The project authority shall install automatic leak detection systems and alarm system at all required places. Project Authority shall install automatic interlocking shutdown systems in case of any leakage of gas. Adequate arrangements for prevention and control of fire hazards shall be provided.


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