



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

Environmental Planning Coordination Organization (EPCO)  
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No: 3625 /SEIAA/2015  
Date: 19.2.15

✓ To,  
Shri Abhishek Datta, Dy. G.M.  
Hindustan Bhawan 3<sup>rd</sup> Floor,  
Shoorji Vallabhdas Marg,  
Ballard Estate, Mumbai - (M.P.) 400001

**Sub: Case No. 1212/2013** Prior Environmental Clearance for Construction of LPG Bottling plant at MPAKVN Industrial Area Plot no. 93, Pilukhedi, Tehsil-Narsinggarh Distt. Rajgarh (M.P.) Capacity: 100,000 TPA LPG Bottling & 1500 MT LPG Mounded Storage facilities (03 Nos of 500 MT each) , Land Area - 50 Acres by Hindustan Petroleum Corporation Limited LPG Projects (A Govt. of India Enterprise) through Shri Abhishek Datta, Dy. G.M. Hindustan Bhawan 3<sup>rd</sup> Floor, Shoorji Vallabhdas Marg, Ballard Estate, Mumbai- (M.S.) 400001 Email: [mnmurthy@hpcl.co.in](mailto:mnmurthy@hpcl.co.in) (Consultant :- Sun Consultancy & Services Budheshwari, Bhubaneswar)

**Ref:** Your application dtd. 29.01.13 received in SEIAA office on 04.02.2013

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 14<sup>th</sup> September 2006 and its amendment, on the basis of the mandatory documents enclosed with the application viz., Form I, pre-feasibility report, ToR, EIA Report and additional clarifications furnished in response to the observations by the State Expert Appraisal Committee (SEAC) and State Environment Impact Assessment Authority (SEIAA) constituted by the competent Authority.

1. The proposed project is LPG Bottling Plant with Capacity: 100,000 TPA LPG Bottling & 1500 MT LPG mounded storage facilities (03 Nos of 500 MT each). The project is covered under Isolated Storage Handling of Hazardous Chemicals 6(b) category of the MoEF, GoI EIA Notification 2006 and its amendments.
2. The total land area of the project is 50 Acre for which lease deed (dtd 12.11.2012) has been executed with MPAKVN Ltd. Bhopal for 99 years (12.11.2012 to 11.11.2111).
3. There is no inter-state boundary within 10 km and no Wildlife Sanctuary, National Park, and Tiger Reserve within 05 km of the boundary of the project, hence General conditions not attracted.

  
(Ajatshatru Shrivastava)  
Member Secretary

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Issued vide letter no. .... dated 19.2.15  
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4. The project is located in notified Industrial Growth Centre – Pilukhedi, Tehsil-Narsinggarh Distt. Rajgarh (M.P.) approved by AKVN and public hearing is not required as per as per MoEF, Gol O.M. dtd. 10.12.14 issued under EIA notification, 2006.
5. The total water requirement is 20m<sup>3</sup>/day (2m<sup>3</sup>/day for Domestic + 12m<sup>3</sup>/day Industrial washing + 6m<sup>3</sup>/day for gardening). The water requirement for firefighting tanker is reserved and proposed to be made up from time to time as per requirement. The source of water for the project will be MPAKVN, (letter dtd. 16.12.11)
6. The only waste water from the plant will be domestic effluent while industrial effluent will be from washing and cylinder testing discharged water. The wash water will be treated in ETP & treated and water will be used for gardening. The domestic waste water will be treated through septic tank followed by a soak pit.
7. The hazardous waste in the form of spent oil from D. G. set – 0.5 MT per annum, ETP sludge – 0.5 MT per annum, Plant sludge – 0.250 MT/ annum will be generated. It is proposed to be disposed through authorized recyclers. The waste oil / used oil / skimmed oil / oily sludge are proposed to be sold to authorized reprocesses. Used oil filter will be fed to the furnace.
8. PP has proposed that Quality of Storage and Handling equipments, Safety, Fire fighting and fire protection equipments and other machinery will be maintained and inspected periodically to ensure safe and effective usage. All the tank trucks will be checked and inspected periodically for safety fittings, electrical wiring, mechanical condition etc. to ensure safe transportation of LPG on the road outside the premises.
9. PP has proposed roof top rain water harvesting including 2 no of rain water harvesting ponds.
10. PP has proposed onsite Disaster Management plan and Risk Analysis Report which one not approved by Competent Authority.
11. PP has proposed to develop Greenbelt in 33% (17 Acre) of the total plot area in the plant premises.

Based on the information submitted at Para 1 to 11 above and others, the State Level Environment Impact Assessment Authority (SEIAA) considered the case in its 175<sup>th</sup> meeting held on 13.01.2015 and decided to accept the recommendations of 146<sup>th</sup> & 148<sup>th</sup> SEAC meeting held on dtd 08.11.2013 and 25.08.2014 respectively.

Hence, Prior Environmental Clearance is accorded under the provisions of EIA notification dtd. 14<sup>th</sup> September 2006 to the proposed Construction of LPG Bottling plant at MPAKVN Industrial Area Plot no. 93, Pilukhedi, Tehsil Narsinggarh, Distt. Rajgarh (M.P.) Capacity: 100,000 TPA LPG Bottling & 1500 MT LPG Mounded Storage facilities (03 Nos of 500 MT each) Land Area - 50 Acres by Hindustan Petroleum Corporation Limited LPG Projects (A Govt. of India Enterprise) through Shri Abhishek Datta, Dy. G.M. Hindustan Bhawan 3<sup>rd</sup> Floor, Shoorji Vallabhdas Marg, Ballard Estate, Mumbai-(MS) 400001 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.

  
(Ajatshatru Shrivastava)  
Member Secretary

**A. Specific Conditions as recommended by SEIAA**

1. PP should obtain NOC/ requisite clearances for On-site, Off-site Disaster Management Plan & Risk Analysis Report before starting the construction of the project.
2. AKVN should provide at least 24 mts. wide roads for good traffic management of LPG trucks and to avoid traffic congestion. Also dedicated parking bay should be provided for the LPG trucks.

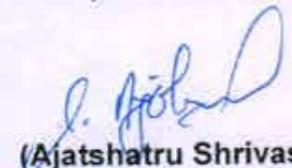
**B. Specific Conditions as recommended by SEAC**

3. Continuous ambient air quality monitoring system shall be installed in the premises such that real time AAQ data is available at MPPCB and CPCB servers.
4. Automatic Sprinkler system shall be provided in all LPG areas.
5. Compliances of OISD guidelines duly validated by the concerned authority shall be submitted to MPPCB and MoEF periodically.
6. Company shall take up a project with some Agriculture Research organization to findout permanent solution for removal of agricultural residues from fields after harvesting of crops so as to discourage the burning practices.
7. Adequate buffer zone around the tankage facilities, as may be required as per OSID or other statutory requirements.
8. 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.
9. 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.
10. 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 and all Hazardous Waste (management, handling & Trans-boundary Movement) Rules 2008.
11. Company shall obtain all requisite clearances for fire safety and explosives and shall comply with the stipulations made by the respective authorities.
12. 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.

  
(Ajatshatru Shrivastava)  
Member Secretary

13. All recommendations mentioned in the EMP / DMP shall be binding for the project authorities.
14. Dedicated parking facility for loading and unloading of material shall be provided in the plant.
15. Management shall develop and implement good traffic management system for incoming and outgoing vehicles to avoid congestion on public road.

**C. Standard Conditions - Encl: Annex-I**

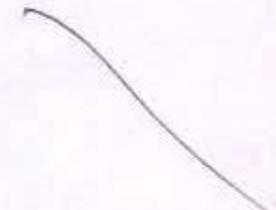
  
(Ajatshatru Shrivastava)  
Member Secretary

Endt No. / SEIAA/ 15 Dated

Copy to:-

- (1). Principal Secretary, Urban Development & Environment Deptt. 3<sup>rd</sup> 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, Distt- Rajgarh -M.P.
- (5). M.D. AKVN, 1<sup>st</sup> Floor, Tawa Complex, Bittan Market E-5, Arera Colony, Bhopal (M.P.)- 462 016
- (6). The Jt. Director, Town & Country Planning, Bhopal, MP
- (7). Director, I.A. Division, Monitoring Cell, MoEF, Gol, Ministry of Environment & Forest Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi – 110 003
- (8). Director (S), Regional office of the MOEF, (Western Region), Kendriya Paryavaran Bhawan, Link Road No. 3, Ravi Shankar Nagar, Bhopal-462016.
- (9). Guard file.

**Encl: Standard Conditions (Annex-I)**

  
(Ajatshatru Shrivastava)  
Member Secretary

Case No. 1212/2013

Issued vide letter no. 3625-26 dated 19.2.15

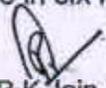
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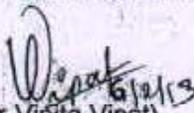
**State Environment Impact Assessment Authority, M.P.**  
(Government of India, Ministry of Environment & Forests)  
Research and Development Wing, Madhya Pradesh Pollution Control Board,  
Paryavaran Parisar, E-5. Arera Colony, Bhopal-4620 16

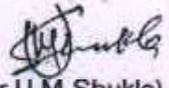
**Standard Conditions related to Activity 6 (b) – Isolated storage and handling of hazardous chemicals of Category B projects under the Schedule of Ministry of Environment and Forests, GoI Notification dtd 14-09-06**

**Annex-I**

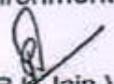
1. Any enhancement of capacity, change in technology, modernization and scope of working shall again require prior environmental clearance as per EIA notification, 2006.
2. Environment Management Plan (EMP) should be strictly in accordance to the finding of environmental impact assessment.
3. Execution 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.

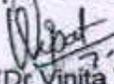
  
(Dr R K Jain )  
Officer-in-Charge

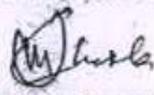
  
(Dr Vinita Vipat)  
Officer-in-Charge

  
(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 19<sup>th</sup> May, 1993 and 31<sup>st</sup> 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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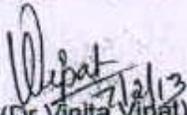
  
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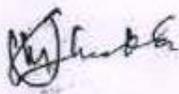
  
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Dated. 19.2.15

- 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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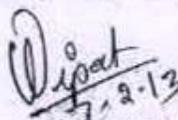
  
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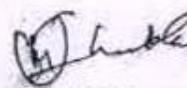
  
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 M.P. VEPCO

- 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, SO<sub>2</sub>, NO<sub>x</sub> (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 31<sup>st</sup> 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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