

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

**Research and Development Wing**  
Madhya Pradesh Pollution Control Board  
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No: 2404 / SEIAA/ 13

Date: 08/02/2013

To,  
M/s Bharat Petroleum Corporation Ltd.  
R. M. Kakurla (Sr. Manager E & P West).  
Bhopal – Indore By Pass Road Post Bakania Bhouri  
Bhopal -462030

**Sub: Case No. 554/2010**, Prior Environmental Clearance for Mini LPG Bottling Plant capacity: 1) storage as 2 x 100 MT : Bottling capacity in 4800 cylinders/ day: Design capacity reported to be 22 TMTA by M/s Bharat Petroleum Corporation Ltd. R. M. Kakurla (Sr. Manager E & P West) at Bhopal – Indore By Pass Road Post Bakania Bhouri Bhopal -462030

This has reference to your letter dated 27.04.2010 received in the SEIAA office on 03.05.2010 and subsequent letters seeking Prior Environmental Clearance for the above project under the EIA Notification, 2006. The proposal has been appraised as per prescribed procedure in the light of provisions under the EIA Notification, 2006 on the basis of the mandatory documents enclosed with the application viz., the Form I, ToR and pre-feasibility report and subsequently submission of EIA report, public hearing document and the additional clarifications furnished in response to the observations of the State Expert Appraisal Committee (SEAC) and Environment Impact Assessment Authority (SEIAA) constituted by competent Authority.

- ii. It has been noted that presently PP has proposed Mini LPG Bottling Plant at Bhopal – Indore By Pass Road Post Bakania Bhouri Bhopal -462030 capacity: 1) storage as 2 x 100 MT : Bottling capacity in 4800 cylinders/ day: Design capacity reported to be 22 TMTA. The plant is proposed in the premises in existing POL Depot. Out of the total area of the Depot the proposed LPG plant is planned in 8.84 acres. The source of LPG is Bina refinery Bina. The project site at located at 23° 15' 45 " N and 77° 15' 39.31" E. The nearest village Kolukhedi is situated 1 km away from the project site. The plant site is 8 km away from NH-12. There are no Wildlife Sanctuaries, National Parks, and Tiger Reserves within 10 km of the boundary.

The domestic fresh water requirement is reported to be 3.5 KLD, which will be met through ground water (bore well). The waste water generation is 1.75 m<sup>3</sup>/ day. Fire water tank of capacity 2x1900KL and fire water pump of capacity 3x410KL/hr. is proposed for installation along with other fire fighting and safety facility (109<sup>th</sup> SEAC dtd 6.11.12). An area of 8.0 acres shall be covered under green belt.

- iii. The case is pertaining to storage and bottling of LPG hence is listed in serial no. 6 (b) of EIA notification 2006 and is required to obtain prior EC under its provisions. The project has been considered in accordance with the provisions of the EIA notification issued by the Ministry of Environment &

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Forests vide S.O. 1533 (E), dated September 14, 2006 and subsequent amendment the public hearing was conducted on 29.08.2012 at the proposed site under the chairmanship of ADM.

- iv. Based on the information submitted as at Para (ii) and (iii) above and others, the State Level Environment Impact Assessment Authority (SEIAA) considered the case in its 116<sup>th</sup> meeting held on 08.01.2013 and decided to accept the recommendations of 109<sup>th</sup> SEAC meeting held on 06.11.2012 with nine special conditions.

Hence, Prior Environmental Clearance is accorded to Mini LPG Bottling Plant capacity: 1) storage as 2 x 100 MT : Bottling capacity in 4800 cylinders/ day: Design capacity reported to be 22 TMTA by M/s Bharat Petroleum Corporation Ltd. R. M. Kakurla (Sr. Manager E & P West) at Bhopal – Indore By Pass Road Post Bakania Bhouri Bhopal -462030 project under the provisions of EIA notification dated September 14, 2006, subject to the compliance of the Standard Conditions enclosed at **Annex-I** and the following additional Specific Conditions as recommended by SEIAA and SEAC:

1. Company shall take up a project with some Agriculture Research organization to find out permanent solution for removal of agricultural residues from fields harvesting of crops so as to discourage the burning practices.
2. Adequate buffer zone around the tank age facilities, as may be required as per OSID 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 to fugitive emissions all around the plant in consultation with the forest department as per the guidelines of CPCB.
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.

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

  
(Manohar Dubey)  
Member Secretary

Endt No. 2405 /SEIAA/13 Dated: 08/02/2013  
Copy to:-

1. Principal Secretary, Department of Environment, Government of Madhya Pradesh, Bhopal.
2. Chairman, State Environment Impact Assessment Authority, Bhopal
3. Member Secretary, Madhya Pradesh Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony, Bhopal-462016
4. Member Secretary, SEAC, Research and Development Wing Madhya Pradesh Pollution Control Board, Paryavaran Parisar, E-5. Arera Colony Bhopal-4620 16
5. Collector, Distt- Bhopal-M.P
6. Division, Monitoring Cell, MoEF, GOI, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi- 110 003
7. Regional Officer, Regional Office of the Ministry of Environment & Forest, Gol, Western Region, Kendriya Paryawarn Bhawan, Link Road No. 3 Ravi Shankar Nagar, Regional office of the MOEF, Bhopal-462016
8. Guard file.

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(Dr. Vinita Vipat)  
o/c Officer-in-Charge

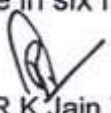


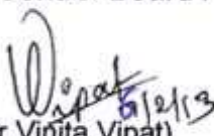
**State Environment Impact Assessment Authority, M.P.**  
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Research and Development Wing, Madhya Pradesh Pollution Control Board,  
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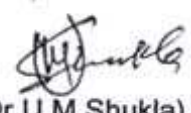
**Standard Conditions related to Activity 6 (b) – Isolated storage and handling of hazardous chemicals of Category B projects under the Schedule of Ministry of Environment and Forests, GoI Notification dtd 14-09-06**

**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, SO<sub>2</sub>, NO<sub>x</sub> 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, SO<sub>2</sub>, NO<sub>x</sub>) 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

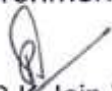
  
(Dr Vinita Vipat)  
Officer-in-Charge

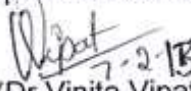
  
(Dr U M Shukla)  
Officer-in-Charge


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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/muffs.
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.

  
(Dr R K Jain )  
Officer-in-Charge


  
(Dr Vinita Vipat)  
Officer-in-Charge


  
(Dr U M Shukla)  
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](http://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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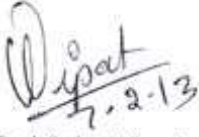
  
(Dr Vinita Vipat)  
Officer-in-Charge


  
(Dr U M Shukla)  
Officer-in-Charge



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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