



REGISTERED

**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

visit us <http://www.mpseiaa.nic.in>
Tel:0755-2466970, 2466859
Fax : 0755-2462136

No: 11669 /SEIAA/2016
Date: 2.3.16


To,
Mr. R.A. Joshi, Depot-in-Charge,
Bhitoni, BPCL, Bhitoni POL Depot.
N.H. 12, Shahpura,
District-Jabalpur (MP)-483119,

Sub:- Case No. 1854/2014 Prior Environmental Clearance for Construction of additional new storage tank to enhance the capacity of MS & HSD in existing BPCL Depot. at Bhitoni POL Depot, NH12, Shahpura, District-Jabalpur (MP); Tankage capacity Existing - 12818 KL (Class A: 2618 KL Class B: 10200 KL); Tankage capacity Proposed - 20,943 KL (Class A: 6033 KL Class B: 14910 KL), Land area: 27.41 Acres by Mr. R.A. Joshi, Depot-in-Charge, Bhitoni, BPCL, Bhitoni POL Depot. N.H. 12, Shahpura, District-Jabalpur (MP)-483119 email:joshiar1465@bharatpetroleum.in Env. Consultant: PDIL(Projects & Development India Limited Dhanbad - Jharkhand)

Ref: Your application dtd. 07.10.2014 received in SEIAA office on 13.10.2014

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 proposed project is expansion project and pertains to the construction of additional tankage for MS & HSD and associated facilities within the existing premises of BPCL Depot. at Bhitoni POL Depot, NH12, Shahpura, District-Jabalpur (MP). The Depot presently has 12818 KL of Tankage for handling Motor Spirit, High Speed Diesel, Superior Kerosene, Ethanol and proposed augmentation of existing depot with following tank capacities:
- MS storage tank : Above Ground –1x 3415 KL (FR)


(Ajatshatru Shrivastava)
Member Secretary

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- HSD storage tanks : Above Ground Tanks –1x 4710 KL(CR).

Product	Tankage capacity Existing in KL	Tankage capacity Proposed in KL
Class A	2618 KL	6033 KL
Class B	10200 KL	14910 KL
Total	12818 KL	20,943 KL

- (ii) There is no interstate boundary within 10 km (PWD letter dtd. 10.01.2014) and no National Park / Sanctuary within the 5 km of the project area(DFO letter dtd. 04.01.2014) hence the general conditions are not attracted.
- (iii) The project includes isolated storage & handling of hazardous chemicals and covered under 6 (b) category of the MoEF, Gol EIA Notification, 2006 and its amendments.
- (iv) The total existing area of the project is 27.41 acres. PP has submitted notarized copy of Khasra Panchsala 2015-2016 and as per the Khasra Panchsala the land is in the name of Bharat Petroleum and Indian Oil Corporation Ltd. Jabalpur.
- (v) Public Hearing was held on 30.06.2015 at project site Bhitoni POL Depot, NH12, Shahpura, District-Jabalpur (MP) under the Chairmanship of ADM Jabalpur.
- (vi) The source of water for the project is ground water. The existing water requirement is 6.0 M³/day. After establishment of the proposed MS tanks, water consumption may marginally increase from 6.0 m³/day to 6.5 m³/day which will be met from two nos. of bore wells available within plant premises.
- (vii) The waste water generated about 2.0 m³/day from the depot and after establishments of two additional storage tanks it is expected to be 2.5 m³/day. About 0.5 m³/day of sanitary wastewater is being generated from different sources of domestic uses. PP has proposed no wastewater is discharged outside the premises of Bhitoni Depot. Sanitary wastewater from toilets, canteen and wash room is treated in Septic Tanks and is disposed off through soak pits. The non-sanitary wastewater such as wastewater generated due to floor washings, mock drills etc. is passed through Oil Water Separator (OWS) for arresting the oil content. The oil free wastewater is being used quantitatively in gardening / afforestation.
- (viii) There is no continuous source of air pollution from the process of existing facilities of Bhitoni Depot. The proposed facilities comprise installation of additional storage tanks for MS & HSD. There shall not be any continuous source of air emission from the proposed facilities.
- (ix) PP has proposed rain water harvesting pond in the de-licensed area of the plant.
- (x) No solid waste shall be generated from the proposed facilities. The oil collected in the Oil Water Separator is stored in the PP containers and sold to registered vendors approved by MPPCB. This practice is already in force and hence, no additional measures are required.


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 Member Secretary

Case No. 1854/2014

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- (xi) Hazardous waste generated like used oil, grease and empty drums, used paint containers and other metallic containers are disposed of through registered vendors approved by MPPCB as per Hazardous Waste (Management, Handling & Trans-boundary Movement) Rules, 2008 & subsequent amendments.
- (xii) PP has submitted on / off site plan dated 08.06.2013 & 21.04.2014 from Directorate, Industrial Health and Safety, MP, Indore and DMI, Bhopal respectively.
- (xiii) The total existing power requirement is 250 KVA & after establishments of two additional storage tanks it is expected to be 340 KVA. The source of electricity is M. P. Pashcim Khhetra Vidyut Vitran Co. Ltd. PP has submitted installation of solar system for captive consumption of 10 KW within premises.
- (xiv) PP has proposed about 58% of total land are covered under green belt area including two rows on the periphery of the project area along with increasing the numbers of the trees within the project area.
- (xv) Under Corporate Social Responsibility PP has proposed drilling of deep gravel packed tube well and overhead tank without submersible pump at village Kushli, Imalia and Zurai Piplia, Tehsil Shahapura, District Jabalpur and provision of submersible pump with pipe line for the natural pond near temple, renovation of existing toilet and pipeline for planting existing trees at village Bhamki as well as water cooler arrangement with Chabutra for Khirkheda village.

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 295th meeting held on 15.02.2016 and decided to accept the recommendations of 241st SEAC meeting held on dtd 06.11.2015.

Hence, Prior Environmental Clearance is accorded under the provisions of EIA notification dtd. 14th September 2006 to the Construction of additional new storage tank to enhance the capacity of MS & HSD in existing BPCL Depot. at Bhitoni POL Depot, NH12, Shahpura, District-Jabalpur (MP); Tankage capacity Existing - 12818 KL (Class A: 2618 KL Class B: 10200 KL); Tankage capacity Proposed - 20,943 KL (Class A: 6033 KL Class B: 14910 KL), Land area: 27.41 Acres by Mr. R.A. Joshi, Depot-in-Charge, Bhitoni, BPCL, Bhitoni POL Depot. N.H. 12, Shahpura, District-Jabalpur (MP)-483119 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 Regional Officer, MPPCB Jabalpur (dtd. 19.10.15).
- (2). Occupational health surveillance of worker should be done on a regular basis and maintained as per the Factory Act.


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Member Secretary

Case No. 1854/2014


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- (3). 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.
- (4). PP should ensure the implementation of proposed CSR activities on regular basis.
- (5). 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.
- (6). PP should ensure the traffic movement plan, parking facilities and road width.
- (7). PP should ensure implementation of commitment made during public hearing.
- (8). PP should obtain NOC for firefighting from Competent Authority.
- (9). PP should ensure the rain water harvesting
- (10). Under green area development PP should ensure : -
 - (a) Plantation in two rows all along the periphery of the project area, and along the roads, subject to minimum of 33% of the total area of the project.
 - (b) Plantation of the trees of indigenous local varieties like Neem, Peepal, Kadam, Karnj, Kachnaar etc.
 - (c) Plantation should be completed within one year.
 - (d) Every effort should be made to protect the existing trees on the plot.

B. Specific Conditions as recommended by SEAC

- (11). Adequate buffer zone to be created around the tankage facilities, as per the requirements of OSID or other statutory requirements.
- (12). 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.
- (13). 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.
- (14). 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 & Trans-boundary Movement) Rules 2008.


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Member Secretary

- (15). Company shall obtain all requisite clearances for fire safety and explosives and shall comply with the stipulations made by the respective authorities.
- (16). 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.
- (17). All recommendations mentioned in the EMP / DMP shall be binding for the project authorities.
- (18). 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. *11670* / SEIAA/ 2016
Copy to:-

Dated *2.3.16*

- (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 Jabalpur M.P.
- (5). The Commissioner, Municipal Corporation, Jabalpur, M.P.
- (6). The Jt. Director, Town & Country Planning, Jabalpur, M.P.
- (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)

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Case No. 1854/2014

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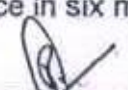
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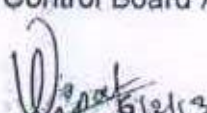
State Environment Impact Assessment Authority, M.P.
(Government of India, Ministry of Environment & Forests)
Research and Development Wing, Madhya Pradesh Pollution Control Board,
Paryavaran Parisar, E-5. Arera Colony, Bhopal-4620 16

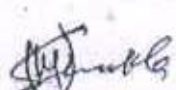
Standard Conditions related to Activity 6 (b) – Isolated storage and handling of hazardous chemicals of Category B projects under the Schedule of Ministry of Environment and Forests, GoI Notification dtd 14-09-06

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.

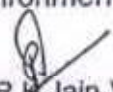

(Dr R K Jain)
Officer-in-Charge

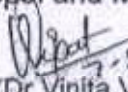

(Dr Vinita Vipat)
Officer-in-Charge

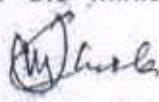

(Dr U M Shukla)
Officer-in-Charge

Issued Vide No. 11669-70/SEIAA/EPCO
Dated 2.3.16

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.

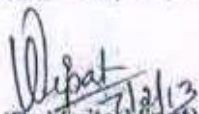

 (Dr R R Jain)
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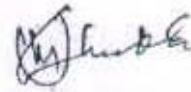

 (Dr Vinita Vipat)
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- 22. The Regional Office, MoEF, Gol, Bhopal and MP PCB shall monitor compliance of the stipulated conditions. A complete set of documents including Environment Impact Assessment Report, Environmental Management Plan and other documents 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.

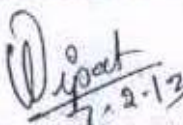

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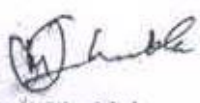

 (Dr Vinita Vipat)
 Officer-in-Charge


 (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, SO2, NOx (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.


 (Dr R K Jain)
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 (Dr U M Shukla)
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