

State Level Environment Impact Assessment Authority, Jharkhand.

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Letter No.- EC/ SEIAA / 2014-15/303/2015/ 2567

Ranchi, Date: 31.12.2015

To: Mr. Rajat Sinha (Plant In Charge),
M/s Hindustan Petroleum Corporation Limited,
LPG Bottling Plant,
Village- Chano, P.O.- Oriya,
Hazaribagh, Jharkhand – 825301.

Sub.: Environmental Clearance for the project “LPG Bottling Plant of M/s Hindustan Petroleum Corporation Limited at Hazaribagh Industrial Area, Village- Chano, P.O.- Oriya, Dist.- Hazaribagh, Jharkhand.”.

Sir,

It is in reference to the project “LPG Bottling Plant of M/s Hindustan Petroleum Corporation Limited at Hazaribagh Industrial Area, Village- Chano, P.O.- Oriya, Dist.- Hazaribagh, Jharkhand.” submitted by you for seeking prior Environmental Clearances (EC).

The proposal was appraised by State Level Expert Appraisal Committee (SEAC) and recommended for grant of Environmental Clearance in its meeting held on 18th to 24th December, 2015.

The proposed project is replacement of existing LPG storage of 1x90 MT by installing 3 x 150 MT Mounded Storage Vessel. LPG shall be brought in Bulk LPG Tanker. The plant is proposed at Hazaribagh Industrial Area, Village- Chano, P.O.- Oriya, Dist.- Hazaribagh, Jharkhand which is located at a distance of 4.90 Km from Hazaribagh Railway Station. Gtshotand Air strip is at a distance of 28.15Kms. It was informed that the additional units are to be installed in the existing area of 5.58 acres. Details of the project, its location along with details of operation (unloading of LPG coming through road tankers into bullets / mounted storage, filling of LPG into cylinders and distribution of the same through packed trucks) were explained. The total water requirement during operation phase 5-8 KLD existing and additional requirement for expansion is Nil, which shall be obtained from existing ground water sources.

Following the decision of SEIAA, as mentioned above, Environmental Clearance is hereby issued to the project “LPG Bottling Plant of M/s Hindustan Petroleum Corporation Limited at Hazaribagh Industrial Area, Village- Chano, P.O.- Oriya, Dist.- Hazaribagh, Jharkhand.” alongwith the following conditions-

A. SPECIFIC CONDITIONS :

- i. The plant shall have automatic fire fighting system and hydrant system with hydrant and monitors located as per OISD guidelines. Proper safety measures as prescribed by OISD 144 and OISD 150 shall be undertaken. The relevant codes and standards for LPG installations should be followed strictly.

- ii. The LPG Vessels should be provided with Multiport SRVs, Servo Gauge and Radar Gauge, High level Alarm and ROVs on all LPG outlets, cathodic protection (CP) system, anti corrosive coating, earthing system and gas monitoring system, as proposed.
- iii. Fire protection system, Gas monitoring system and Sprinkler system should be designed according to OISD 144/150 standards. Hydrant main ring shall be provided in the surrounding of proposed mounded storage vessels with fire points and monitors at strategic locations as per OISD 144.
- iv. The proponent should abide by the recommendations of the Chief Controller of Explosives, PESO, Nagpur and all other statutory conditions imposed by various authorities.
- v. The project authorities must strictly comply with the rules and regulations under Manufacture, Storage and Import of Hazardous chemicals Rules, 1989 as amended subsequently. Prior approvals from Chief Inspectorate of Factories, Chief Controller of Explosives, Fire Safety Inspectorate etc. must be obtained, wherever applicable.
- vi. No process effluent will be generated. The domestic waste water will be treated through septic tank followed by a soak pit. Water used for fire fighting drills will be used for gardening etc.
- vii. Groundwater shall not be abstracted without prior permission of the local body as well as the competent authority.
- viii. No solid waste will be generated by the storage of LPG storage. The demolition debris and other wastes shall be disposed off as per rules. The project authorities must strictly comply with the rules and regulation of the Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2009, wherever applicable. Authorization form the State Pollution Control Board must be obtained for collections/treatment/storage/disposal of hazardous wastes.
- ix. There will be no process emissions from handling and storage of LPG. The DG sets, if any, will have stacks of height as per the CPCB guidelines. The emissions of (RSPM, SPM, SO₂, NO_x, HC & VOC) from DG Set stack, if any, and from flare stack shall conform to the standards.
- x. Regular ambient air quality monitoring shall be carried out for VOC and HC, besides other parameters in ambient air around the plant. It will be ensured that at least one monitoring station is set up in up wind and in down wind direction along with those in other directions.
- xi. Regularly monitoring of VOC and HC in the work zone area in the plant shall be carried and data be submitted to SPCB. Quarterly monitoring of fugitive emissions will be carried out as per the guidelines of CPCB.
- xii. The unit should develop rainwater harvesting structures and the harvested water should be utilised for gardening and other purposes. Groundwater recharge is not permitted.

- xiii. Green belt shall be provided to mitigate the effects of fugitive emissions all around the plant. At least 33% of the plant area should be kept for green belt development. Selection of appropriate species for the plantation programme may be done in consultation with DFO, Hazaribagh
- xiv. Ambient noise level should not exceed the permissible limit. The overall noise levels in and around the plant area shall be kept well within the standards. The ambient noise levels shall conform to the standards prescribed under EPA Rules, 1989.
- xv. All internal roads should be pitched. Proper lighting and proper pathway inside the factory premises should be constructed to ensure safe vehicular movement. Provision of separate pathway for entry and exit of vehicles should be considered. Vehicles should conform to pollution under control (PUC) norms. Proper house keeping shall be maintained within the premises.
- xvi. Health and safety of workers should be ensured. Workers should be provided with adequate personnel protective equipment and sanitation facilities. Occupational Health Surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- xvii. Adequate measures to be adopted to ensure industrial safety. Proper fire detection & protection systems to be provided to control fire and explosion hazards.
- xviii. The Corporate Social Responsibility Plan with specific financial commitment should be implemented for the proposed project. Atleast 5% of the project cost should be utilised for Corporate Social Responsibility programmes.
- xix. The implementation and monitoring of Environmental Management Plan, Risk Assessment report, HAZOP Study and Onsite & Offsite Disaster Management Plan should be carried out, as proposed. A separate Environmental Management Cell equipped with full fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions.

B. GENERAL CONDITIONS :

- i. The environmental clearance accorded shall be valid for a period of 5 years for the proposed project.
- ii. Prior Consent-to-Establish (NOC) for the proposed revamping project must be obtained from JSPCB before commencement of construction. All other statutory clearances should be obtained by project proponent from the competent authorities.
- iii. The project proponent shall comply with all the environmental protection measures and safeguards recommended. Further, the unit must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.
- iv. All the conditions, liabilities and legal provisions contained in the EC shall be equally applicable to the successor management of the project in the event of the project proponent transferring the ownership, maintenance of management of the project to any other entity.
- v. Provision should be made for the supply of kerosene or cooking gas to the labourers during construction phase. All the labourers to be engaged for construction works should be screened for health and adequately treated before issue of work permits. Environmental sanitation should be ensured for the workers.
- vi. The project proponent should make financial provision in the total budget of the project for implementation of the environmental safeguards. The project authorities will

provide requisite funds both recurring and non-recurring to implement the conditions stipulated by the SEIAA along with the implementation schedule for all the conditions stipulated herein. The funds so provided should not be diverted for any other purpose.

- vii. No further expansion or modifications in the plant should be carried out without prior approval of the State Level Environment Impact Assessment Authority. In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by the SEIAA.
- viii. The project proponent should set up separate environmental management cell for effective implementation of the stipulated environmental safeguard under the supervision of a Senior Executive.
- ix. The project proponent should extend full support to the officers of SEIAA, Jharkhand / Regional / Head Office of JSPCB during inspection of the project for monitoring purposes by furnishing full details and action plan including action take reports in respect of mitigation measures and other environmental protection activities.
- x. SEIAA, Jharkhand reserves the right to add additional safeguard measure 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.
- xi. In the event of a change in project profile or change in the implementation agency, a fresh clearance shall be obtained from SEIAA, Jharkhand.
- xii. A copy of the environmental clearance letter shall also be displayed on the website of the Jharkhand State Pollution Control Board. The EC letter shall also be displayed at the Regional Office, District Industries centre and Collector's Office/ Tehsildar's office for 30 days.
- xiii. Appropriate mitigative measures shall be undertaken by HPCL to prevent pollution of water in consultation with the Jharkhand State Pollution Control Board. It shall be ensured that there will be no littering of solid waste from vehicles and the leachate/ surface run-off to be generated shall be collected with the help of lined ditches & treated properly.
- xiv. Officials from the Regional Office of Ministry of Environment & Forests, State Level Environment Impact Assessment Authority / State Level Expert Appraisal Committee / Jharkhand Pollution Control Board who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents / data by the project proponents during their inspection.
- xv. In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by State Environment Impact Assessment Authority.
- xvi. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest (Conservation) Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, by Municipal Corporation from the competent authorities including Jharkhand Pollution Control Board and from other statutory bodies as applicable.
- xvii. HPCL should advertise in at least two local newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded environmental clearance and copies of clearance letters are available with the Jharkhand Pollution Control Board.
- xviii. The advertisement should be made within seven days from the day of issue of the clearance letter and a copy of the same should be forwarded to the Regional Office, Ministry of Environment & Forests, Ranchi.
- xix. These stipulations would be enforced among others under the provisions of Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, Environmental (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.

- xx. The proponent shall upload the status of 6 monthly 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, JSPCB, SEIAA Jharkhand. The criteria pollutant levels namely; PM2.5, PM10, SO2, NOx , CO, Pb, Methane shall be monitored and displayed at a convenient locations.
- xxi. Any Appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

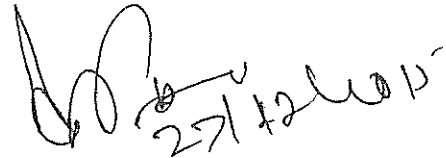
Sd/-
Member Secretary
State Level Environment Impact
Assessment Authority, Jharkhand.

Memo No.- EC/ SEIAA / 2014-15/303/2014/

Dated:

Copy to:

1. Principal Secretary, Department of Forests & Environment, Jharkhand.
2. Deputy Commissioner, District- Hazaribagh, Jharkhand.
3. Divisional Forest Officer, Hazaribagh Division, Hazaribagh, Jharkhand.
4. Director IA Division, Monitoring Cell, MoEF and Climate Change, Indira Paryavaran Bhavan, Jorbag Road, Aliganj, New Delhi - 110003
5. District Mining Officer, District- Hazaribagh, Jharkhand
6. Member Secretary, Jharkhand State Pollution Control Board, Ranchi.
- ✓ 7. Secretary, Jharkhand State Expert Appraisal Committee, Ranchi.
8. Website.
9. Guard file


Member Secretary
State Level Environment Impact
Assessment Authority, Jharkhand.

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