

State Level Environment Impact Assessment Authority, Jharkhand.

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Letter No.-EC/ SEIAA / 2016-17 / 1982 / 2017/ 298

Ranchi, Date: 15.12.2018

To: **Mr. D. Ramana Kumar,**
Member (Infra T/F), East,
2nd Floor, Wing – 2, Bharat Bhawan,
31 PMG Shah Road, Golf Green,
Kolkata – 700095, (West Bengal)

Sub.: Environmental Clearance for the project “Proposed Bulk LPG Storage & Bottling Plant of M/s Bharat Petroleum Corporation Limited at Bokaro Industrial Area, Village- Maraphari & Gorabali, Chas, Bokaro”.

Sir,

It is in reference to the project “Proposed Bulk LPG Storage & Bottling Plant of M/s Bharat Petroleum Corporation Limited at Bokaro Industrial Area, Village- Maraphari & Gorabali, Chas, Bokaro” 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 22 & 23.02.2018.

The case is pertaining to storage and bottling of LPG hence is listed as SN 6 (b) of EIA Notification 2006 and is required to obtain prior EC under the provisions of EIA Notification. The capacity is proposed bulk LPG storage 3 x 300 MT and the LPG throughput of 44 TMT/PA through 1x24 LPG Filling Station / Carousels. LPG will be pumped from storage bullets to filling shed where cylinders will be filled prior to dispatch through road. LPG Bottling Plant will operate strictly as storage & Bottling facility for LPG into 14.2 kg, 19 kg cylinders. No by-products / additional products will be generated / manufactured during the operations. The plant is proposed at Bokaro Industrial Area Development Authority (BIADA), Village- Maraphari & Gorabali, Tehsil / Circle- Chas, Dist.- Bokaro, Jharkhand which is located at a distance of 10 Km from Bokaro Railway Station. Bokaro Airport is at a distance of 4 Km. The project cost is Rs 100 Crores.

The PP was requested vide SEAC letter no. 13 dated 24.01.2018 to submit certificate from DFO regarding distance of Forest as well as certificate from CO, regarding class of land (whether recorded as *Jangle-Jhari* or not in record of rights). The PP has submitted the certificate from CO, Chas (letter no. 298 dated 09.02.2018) mentioning therein that the proposed acquired land is within the jurisdiction of BIADA. The Secretary, BIADA vide his letter no 67 dated 10.02.2018, confirmed that the said allotted land does not fall *jangle-jhari* category, without mentioning the source (record) of said confirmation. The SEAC feels that the Secretary, BIADA is not the competent authority to certify the class of land, as per record of right. Accordingly, the PP was again requested vide SEAC letter no. 25 dated 13.02.2018 clarifying the said proposition, with a memo to DC, Bokaro & SEIAA. The PP was again requested/reminded vide SEAC letter no. 32 dated 19.02.2018 to submit the requisite mandatory & clear cut certificate from the competent authority regarding class of land, with a memo to DC, Bokaro & SEIAA.

As per Hon'ble Supreme Court Judgement dated 12.12.1996 in WP(C) no. 202/95, any land recorded as "forest" in govt. record, should be treated as "deemed Forest" for the purpose of Forest (Conservation) Act, for Forest Clearance. Thus, if the proposed land is certified as *jungle-jhari* by the competent authority (i.e. CO), it would be mandatory for PP to seek Forest Clearance simultaneously and submit the said copy of application to the SEIAA

State Level Environment Impact Assessment Authority (SEIAA), Jharkhand in its meeting held on 06.11.2018 discussed the project proposal along with recommendations made by SEAC and decided to grant EC to the project.

Following the decision of SEIAA, as mentioned above, Environmental Clearance is hereby issued to the **"Proposed Bulk LPG Storage & Bottling Plant of M/s Bharat Petroleum Corporation Limited at Bokaro Industrial Area, Village- Maraphari & Gorabali, Chas, Bokaro"** alongwith the following conditions as recommended by SEAC.

A. Specific Conditions :

1. This Environmental Clearance is valid subject to the following condition below –

That this project has-

- a. Obtained all legal rights to operate at concerned place.
 - b. Complied with all existing concerned laws of the land and
 - c. Complied with the decisions of SEIAA on the issue of Environmental Clearance till date.
2. The Environmental Clearance is being issued subject to, if said land comes under "Deemed Forest" category i.e. Jangal Jhari, the Environmental Clearance issued will automatically stand revoked and in that case the project proponent will have to abide by the provision of the Forest (conservation) Act, 1980 and will have to seek permission from the Government of India. In the case of environmental clearance issued in which the legal status of land are not available in the revenue department, the guideline obtained from the government in this regard will also be effective on the environmental clearance thus issued.
 3. Consent to Establish/Operate for the project shall be obtained from the Pondicherry Pollution Control Board as required under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974.
 4. As proposed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises.
 5. Necessary authorization required under the Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016 and Solid Waste Management Rules, 2016 shall be obtained and the provisions contained in the Rules shall be strictly adhered to.
 6. During construction phase, air pollution and the solid waste management aspects need to be properly addressed ensuring compliance of the Construction and Demolition Waste Management Rules, 2016.
 7. The green belt of 5-10 m width shall be developed in nearly 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines and in consultation with the State Forest Department.
 8. At least 5% of the total project cost shall be allocated for Enterprise Social Commitment and the details along with time bound action plan shall be submitted to the Ministry's Regional Office.
 9. Regular monitoring of VOC and HC in the work zone area in the plant premises should be carried out and data be submitted to Ministry's Regional Office, CPCB and State

- Pollution Control Board. Quarterly monitoring for fugitive emissions should be carried out as per the guidelines of CPCB and reports submitted to Ministry's Regional Office.
10. The project proponent shall conduct a traffic density survey on the approach road to be used for transportation of LPG tankers and LPG cylinders.
 11. Necessary approvals from Chief Controller of Explosives, as applicable, shall be obtained before commissioning of the project. Requisite On-site and Off-site Disaster Management Plans shall be prepared and implemented.
 12. Emergency Response Plan should be based on the guidelines prepared by OISD, DGMS and Govt. of India. Mock drill should be conducted once a month.
 13. Additional safety measures should be taken by using remote operated shut off valve, Double Block & Bleed valve (DBB), impervious dyke wall and un-bonded flexible roof drain pipe, if applicable.
 14. Occupational health surveillance of worker should be done on a regular basis and records maintained as per the Factory Act.
 15. The norms/guidelines of Oil Industry Safety Directorate (OISD) for installation and design of equipments and operation of the LPG Bottling Plants shall be strictly followed. Safety audit to be carried out and report submitted to the Regional Office.
 16. No packing/loading/unloading of LPG cylinders shall be made on road/outside factory premises. Vehicles loaded/unloaded with LPG cylinders shall be parked inside the plant premises only and not on road sides.
 17. Road tankers should be equipped to the standard specified in national regulations reputable code. Vehicles should be mobilized during transfer operations and equipped to prevent untimely movement. Loading/unloading bays should be protected against impact. Fire-resistant coatings shall be provided to tanks/vessels.
 18. Sections of pipeline and storage systems that can be isolated with valves or blinds should be equipped with safety valves to protect against possible damage as liquid LPG expands with increases in temperature.
 19. High and low-level alarms shall be fitted to plant storage tanks which can detect overfilling. However, proper supervision shall be done every time.
 20. For the DG sets, emission limits and the stack height shall be in conformity with the extant regulations and the CPCS guidelines. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.
 21. Water sprinkling has to be undertaken on regular basis to control the polluting particles.
 22. If the proposed project area is certified as Jangal-Jhari, the PP has to apply for Forest Clearance before the Competent Authority and submit the copy of application to the SEIAA for further consideration.

B. General Condition :


1. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board (SPCB), State Government and/ or any other statutory authority.
2. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry. In case of deviations or alterations in the project proposal from that submitted to this Ministry, a fresh reference shall be made to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
3. The locations of ambient air quality monitoring stations shall be decided in consultation with the SPCS and it shall be ensured that at least one stations is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.

4. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with.
5. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
6. The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operations within the plant.
7. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
8. The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIAIEMP in respect of environmental management, risk mitigation measures and public hearing shall be implemented.
9. The company shall undertake all measures for improving socio-economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villagers, administration and other stake holders. Also eco-developmental measures shall be undertaken for overall improvement of the environment.
10. A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.
11. The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.
12. A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parisad / Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal.
13. The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by-mail) to the respective Regional Office of MoEF & CC, the respective Zonal office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.
14. The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted 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 environmental clearance conditions and shall also be sent to the respective Regional offices of MoEF & CC by-mail.
15. The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry at

<http://moef.nic.in>. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional office of the Ministry.

C. Other :

1. The Authority reserves the right to add any new condition or modify the above conditions or to revoke the clearance if conditions stipulated above are not implemented to the satisfaction of Authority or for that matter for any other Administrative reason.
2. In view of MoEF & CC O.M. No.- 22-27/2015-IA-III, dated- 12.04.2016 The Environmental Clearance accorded shall be valid for a period of Seven (07) years. The PP shall not increase production rate and make modifications in process during the validity of Environmental Clearance.
3. In case of any deviation or alteration in the project proposed from those submitted to SEIAA, Jharkhand for clearance, a fresh reference should be made to SEIAA to assess the adequacy of the conditions imposed and to incorporate any new conditions if required.
4. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Water Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous Waste (Management, Handling and Trans-boundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and rules.
5. 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


Member Secretary
State Level Environment Impact
Assessment Authority, Jharkhand.

