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No. IHB/KGPL/22.1

01.12.2022

To,
Director,
Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhavan,
Jor Bagh Road
New Delhi-110003

Kind attn.: Shri Ashok Kr Pateshwary, Director

Sub: Six Monthly Compliance Report of Environment and Forest for Laying of LPG pipeline in Kandla-Viramgam-Gandhinagar-Sanand section of Kandla-Gorakhpur Pipeline
Ref: Environment Clearance accorded vide MoEF&CC's approval letter no. IA-J-11011/256/2019-IA-II(I), dated 19.08.2021

Dear Sir,

Third Six Monthly Compliance Report for the period June 2022 to November 2022 on Environment and Forest pertaining to Laying of pipeline for Kandla-Viramgam-Gandhinagar-Sanand section of Kandla(Gujarat) – Gorakhpur(Uttar Pradesh) Pipeline is enclosed as Annexure-I for your kind perusal.

Thanking you,

Yours faithfully,

Avinash Kansal

Chief Operating Officer
IHB Limited

Enclosure: As above

- Cc: 1. The Principal Secretary, Forest & Environment Department, Govt. of Gujarat.
2. Regional officer, MoEF&CC, Integrated Regional Office, Gandhinagar.
3. The Chairman, CPCB, Parivesh Bhavan, Delhi.
4. The Member Secretary, SPCB, Paryavaran Bhawan, Gandhinagar.
5. Monitoring Cell, MoEF&CC, Indira Paryavaran Bhawan, New Delhi.
6. The District Collector, Gandhinagar, Gujarat.

**Six Monthly Compliance Report on Environment & Forest
Laying of LPG pipeline in Kandla-Viramgam-Gandhinagar-Sanand section of Kandla-
Gorakhpur Pipeline (As on 30.11.2022)**

(Ref :MoEF&CC's approval letter no. IA-J-11011/256/2019-IA-II(I), dated 19.08.2021)

| SL. No. | CONDITION STIPULATED | REMARKS |
|---|---|---|
| A. SPECIFIC CONDITIONS: | | |
| I. STATUTORY COMPLIANCE | | |
| i) | Environmental Clearance is subject to Forest Clearance (as per Forest Conservation Act, 1980), NBWL clearance (The Wildlife Protection Act, 1972) & CRZ Clearance (as per CRZ Notification 2011/2019). Project proponent shall comply with all the conditions stipulated in all the above clearances/NOC issued and commencement of operations shall be done after issuance of all clearances as mentioned above. | Forest & CRZ clearances have been granted dated 05.10.2021 NBWL clearance has been received on 10.05.2021. All conditions of NOCs are being complied with progressively. |
| ii) | The project proponent shall implement Conservation Plan for Schedule-I species and all other plans related to various clearances within the stipulated time frame. | Wildlife conservation plan approved by Chief Wildlife Warden on 03.11.2021 is under implementation along with other plans related to various clearances. |
| iii) | The PESO clearance shall be obtained, if related before commencing the project/activities. | PESO clearance obtained on dated 30.08.2021 for construction. Will be obtained separately for commissioning and operations. |
| iv) | All necessary permissions from different Governmental Department/agencies shall be obtained by IHB Limited before commencing the project/activities. | Majority of the permissions have been obtained. Project work is on hold wherever permissions are awaited. |
| v) | All conditions/recommendations stipulated by Gujarat Coastal Zone Management (GCZMA) vide their letter No ENV-10-2021-14-T, dated 09/04/2021, shall strictly be complied with. | Are being complied progressively as and when applicable. |
| vi) | Necessary approvals from Chief Controller of Explosives must be obtained before commissioning of the project. Requisite On-site and Off-site Disaster management Plans shall be prepared and implemented. | PESO clearance obtained dated 30.08.2021 for construction. Will be obtained separately for commissioning and operations. Disaster management plans will be put in place before commissioning. |
| II. AIR QUALITY MONITORING AND PRESERVATION | | |
| i) | For the DG sets, emission limits and stack height shall be in conformity with the extant regulations and the CPCB guidelines. Acoustic enclosure shall be provided to DG set for controlling the noise pollution. | Has been taken care of in design stage itself. |
| III. WATER QUALITY MONITORING AND PRESERVATION | | |

| SL. No. | CONDITION STIPULATED | REMARKS |
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| i) | Water consumption will be Max. 20 m ³ /day during construction period, and during operations it will be approx. 2.5 m ³ /day at each station which shall be met from tanker supply. | Current water consumption during project phase has been worked out to be approximately 18.1 m ³ /day. During operations, maximum consumption will be limited to 2.5 m ³ /day. |
| ii) | Construction of pipelines through the water bodies shall be avoided during the rainy season/breeding seasons of aquatic animals | Water body crossings are being avoided in rainy season/breeding seasons of aquatic animals. |
| iii) | The riverbed, embankments and dykes shall be restored adequately after installation of crossings. | All major and perennial rivers are being crossed through HDD method without affecting river beds and embankments. A few non-perennial rivers have been crossed by open cut methods and in all such cases bank protection using boulder pitching and chain link covering has been carried out. |
| IV. NOISE MONITORING AND PREVENTION | | |
| i) | The acoustic chambers/barriers should be provided for individual units wherever feasible in the compressor stations. | There are no compressor stations envisaged in the project. In the pump stations, individual pump units have been designed to keep the noise level within permitted levels. |
| V. SAFETY, PUBLIC HEARING AND HUMAN HEALTH ISSUES | | |
| i) | SCADA system shall be installed with dedicated optical fiber-based telecommunication link for safe operation and leak detection system. | OFC based SCADA system is part of the project design and being implemented. |
| ii) | Intelligent pigging facilities shall be provided for the entire pipeline system for internal corrosion monitoring. Coating and impressed current cathodic protection system shall be provided to prevent external corrosion. | These systems are part of the design and are being implemented. |
| iii) | All the recommendations mentioned in the risk assessment report shall be implemented and Emergency response plan shall be based on guideline prepared by OISD. | Most of the recommendations are part of the design. Emergency response plan as per OISD guidelines is under preparation. |
| iv) | Requisite Onsite and Offsite Disaster management Plans shall be prepared and implemented. | Disaster management plans are under preparation. Disaster management plans will be put in place before commissioning. |
| v) | The company shall obtain all requisite clearances for fire safety and shall comply with the stipulation made by the respective authorities. | The design complies with all safety requirements of PESO/OISD and other applicable codes. Being implemented accordingly. |

| SL. No. | CONDITION STIPULATED | REMARKS |
|---|---|---|
| vi) | Annual safety audit shall be carried out for the initial three years by an independent agency (OISD/PNGRB/DGMS etc) and report submitted to this Ministry for ensuring the strict compliance of safety regulations on operation and maintenance. | Noted and shall be complied with. |
| vii) | Pipeline wall thickness and minimum depth of burial at river crossings and casings at rails, major road crossings shall be in conformity with ANSI/ASME requirements. | These considerations are part of the design and are being implemented accordingly. |
| viii) | The PP shall follow horizontal drilling technique for laying of pipeline while passing through major rivers. | Being complied. |
| ix) | The project authorities shall install SCADA/GPS system with dedicated optical fibre based telecommunication link for safe operation of pipeline and Leak Detection System. Additional sectionalizing valves in the residential areas and sensitive location shall be provided to prevent the leaking of gas going to the atmosphere in the event of pipeline failure. | SCADA/OFC based telecommunication/ Leak detection system are part of the design and being implementation. Sectionalizing valves are being installed at intervals prescribed by OISD. Emergency evacuation equipment will be positioned at alternate SV stations for preventing LPG leak into atmosphere. |
| x) | The project authorities shall patrol and inspect the pipeline regularly for detection of faults as per OISD/PNGRB guidelines and continuous monitoring of pipeline operation by adopting non-destructive method(s) of testing as envisaged in the EMP. Pearson survey and continuous potential survey shall be carried out at regular intervals to ensure the adequacy of cathodic protection system. | These activities are part of the operation philosophy and compliance will be ensured. |
| xi) | The workers camp should have arrangement for safe drinking water, hygienic kitchen and sanitation facilities. | Stipulated facilities being provided in worker's camps. |
| xii) | The project authority shall ensure restoration of the Right of Way to preconstruction level as soon as construction activity completed. To ensure prevention of soil erosion, backfilled areas should be properly compacted. | Being complied with, within timelines. |
| VI. CORPORATE ENVIRONMENT RESPONSIBILITY | | |

| SL. No. | CONDITION STIPULATED | REMARKS |
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| i) | As per Ministry's OM dated 30.09.2020 superseding the OM dated 01.05.2018 regarding the Corporate Environmental Responsibility, and as per action plan proposed by the project proponent to address the socio-economic and environmental issues in the study area, the project proponent, as committed, shall provide education funds in technical training centers/ support in nearby village's schools, support in health care facilities, drinking water supply and funds for miscellaneous activities like solar street lights, battery, solar panel etc., in the nearby villages. The action plan shall to be completed within time as proposed. | Approval of Board of IHB Ltd. Has been obtained for a fund of Rs 7 Crore for carrying out stipulated activities under corporate environmental responsibility. A few proposals are under finalization in consultation with local administration. |

| B. General Conditions: | | |
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| i) | No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, afresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of the conditions imposed and to add additional environmental protection measures required, if any. | There are no plans for expansion or modification in any of the plants. Prior approval of MoEF&CC / SEIAA will be sought if any need for change or modification arises in future. |
| ii) | The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment. | Majority of the lighting being installed are LED based. In addition suitable energy saving devices (for e.g VFDs) are being installed for energy conservation. |
| iii) | 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 the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time) | All DG sets are being installed with acoustic enclosures. In the pump stations, individual pump units have been designed to keep the noise level within permitted levels. |
| iv) | The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CER activities shall be undertaken by involving local villages and administration and shall be implemented. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment. | Approval of Board of IHB Ltd. Has been obtained for a fund of Rs 7 Crore for carrying out stipulated activities under corporate environmental responsibility. A few proposals are under finalization in consultation with local administration. In addition the company also has a CSR policy under which eco-developmental / welfare projects will be undertaken. |
| v) | The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change 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. | Shall be complied with. |

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| vi) | A copy of clearance letter shall be sent by project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. | Already complied. |
| vii) | 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 e-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. | Being complied with. This is the third six monthly report. |
| viii) | The environmental statement for each financial year ending 31 st 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 e-mail. | Shall be complied with after start of operation. |
| ix) | 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 and at https://parivesh.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. | Already complied with. |
| x) | The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project. | Already complied with. |
| xi) | This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project. | Noted. |