

No. J-11011/12/2013- IA II (I)
Government of India
Ministry of Environment, Forests and Climate Change
(I.A. Division)

Indira Paryavaran Bhawan
Aliganj, Jorbagh Road,
New Delhi -110003

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Dated: 26th March , 2015

To,

Shri Baldev Bathla (Vice President)
M/s Reliance Gas Pipeline Ltd.
1st Floor, MAB, Reliance Corporate IT Park,
Thane- Belapur Road, Ghansoli Navi Mumbai- 400701

E-mail: baldev.bathla@ril.com; Fax No.: 02244770000

**Subject: Proposed Shohdol-Phulpur Pipeline Project in Madhya Pradesh and Uttar Pradesh
by M/s Reliance Gas Pipeline Ltd. - Environmental clearance reg.**

Ref. : Your letter no. RGPL/SHPPL/MoEF-02 dated 12th September, 2013.

Sir,

Kindly refer to your letter dated 12th September, 2013 alongwith project documents including Form I, Terms of References, Pre-feasibility Report, EIA/EMP Report and Public hearing reports and subsequent submission of additional information vide letter dated 17th February, 2015 regarding above mentioned project. PP vide letter no. SHPPL/EC/EAC/2014-03 dated 17.02.2015 has submitted the copy stage –I forest clearance for diversion of 37.493 ha reserved, protected & Revenue land for laying of gas pipeline.

2.0 The Ministry of Environment, Forests and Climate Change has examined your application. It is noted that proposal is for laying of Shohdol-Phulpur Pipeline Project (6 MMSCMD; 18" dia, 312 km) in Madhya Pradesh and Uttar Pradesh. To facilitate construction and maintenance of the pipeline, 20 m wide Right of Use (RoU) in land will be acquired as per the provisions of Petroleum and Mineral Pipelines (Acquisition of Right of User in Land) Act, 1962. The pipeline ROU will cover an area of 561 ha. About 29.70 km of RoU is estimated to be passed through forest land. A total of about 34 ha. land will be required for setting of facilities such as compressor stations, mainline valve stations and metering and regulating station. Mainline valves (MLV) will be installed at an average distance of 30 km along the pipeline. There will be total of 12 MLVs out of which 6 will be remotely operated from pipeline operations centre and balance 6 will be locally operated valves. One intermediate compressor station will be installed enroute the pipeline Pipeline passes through 3 nos. of major river crossings (total 2 Kms), 12 nos. of road crossings, forest area (29.7 Kms) and agriculture (273 Km). Pipeline passes through Songhariyal sanctuary (0.9 Km). Cost of project is Rs. 1770 Crore.

3.0 Pipeline across the Songhariyal Sanctuary will be installed deep under the river bed using Horizontal Directional Drilling (HDD) Techniques. Stack of adequate height will be provided to gas engine generator (GEG). Total water requirement from local water supply/ground water source for various facilities during operation phase will be 247 m³/day. The pipeline system shall also comprise of cathodic protection system, supervisory control and data acquisition (SCADA) system,

dedicated optical fibre cable (OFC) based telecommunication system, leak detection system/pipeline application software, emergency shutdown system, flow measurement and control instrumentation, fire and gas detection system, fire protection system, control room, auxiliary building and associated facilities. Excavated earth will be restored properly and backfilled.

4.0 The proposal was considered by the Reconstituted Expert Appraisal Committee (Industry) in its meetings held during 5th-7th March, 2013 and 18th - 20th November, 2013 respectively.

5.0 All Oil & Gas Transportation Pipeline (crude and refinery/petrochemical products) passing through national parks/sanctuaries/coral reefs/ecologically sensitive areas (including LNG Terminal) are listed at S.N. 6 (a) under category 'A' and appraised at Central level.

6.0 Public hearing meetings were conducted on 07th August, 2013 for Rewa district, 12th August, 2013 for Sidhi district, 14th September, 2013 for Allahabad district and 23rd August, 2013 for Shahdol district. Project Proponent and the EIA Consultant namely M/s Hubert Enviro Care System (P) Ltd. & Eco Chem Sales & Services have presented EIA / EMP report as per the TOR. EAC has found the EIA / EMP Report and additional information to be satisfactory and in full consonance with the presented TORs. The Committee recommended the proposal for environmental clearance.

7.0 The Ministry of Environment, Forests and Climate Change hereby accords environmental clearance to the above project under the provisions of EIA Notification dated 14th September, 2006 subject to strict compliance of the following specific and general conditions:

A. SPECIFIC CONDITIONS :

- i. Prior clearance under the Wildlife (Protection) Act, 1972, shall be obtained from the Standing Committee of the National Board for Wildlife as the pipeline project passes through Songhariyal sanctuary.
- ii. Forest clearance for the forest land involved in the pipeline project shall be obtained.
- iii. The project authority i.e. M/s Reliance Gas Pipeline 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.
- iv. The design, material of construction, assembly, inspection, testing and safety aspects of operation and maintenance of pipeline and transporting the natural gas shall be governed by ASME/ANSI B 31.8/B31.4 and OISD standard 141.
- v. Annual safety audit shall be carried out for the initial three years by an independent agency and report submitted to this Ministry for ensuring the strict compliance of safety regulations on operation and maintenance.
- vi. The construction of pipeline particularly at the river and stream crossing shall be done during dry seasons to avoid disturbance of breeding seasons and soil erosion. The riverbed, embankments and / dykes shall be restored adequately after installation of crossings.
- 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.
- viii. The company shall follow horizontal drilling technique for laying of pipeline while passing through major rivers.
- ix. The project authorities shall install SCADA system with dedicated optical fiber 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. Intelligent pigging facility 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.

- x. The project authorities shall patrol and inspect the pipeline regularly for detection of faults as per OISD 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.
- xi. All the recommendations mentioned in the risk assessment report shall be implemented.
- xii. All the issues raised during the public hearing/consultation meetings held on 07th August, 2013 for Rewa district, 12th August, 2013 for Sidhi district, 14th September, 2013 for Allahabad district and 23rd August, 2013 for Shahdol district shall be satisfactorily implemented.
- xiii. Necessary approvals from Chief Controller of Explosives must be obtained before commission of project. Requisite On-site and Off-site Disaster Management Plans shall be prepared and implemented. It is necessary that integrated DMP should be in place as the pipeline is passing through four Districts.
- xiv. The acoustic chambers/barriers should be provided for individual units wherever feasible in the compressor stations.
- xv. The workers camp should have arrangement for safe drinking water, hygienic kitchen and sanitation facilities. The wastewater should be properly treated before disposal.
- xvi. The company shall obtain all requisite clearances for fire safety and explosives and shall comply with the stipulation made by the respective authorities.
- xvii. Occupational health surveillance of worker shall be done on a regular basis and records maintained as per the Factory Act.
- xviii. The Company shall harvest surface as well as rainwater from the rooftops of the buildings proposed in the project and storm water drains to recharge the ground water and use the same water for the various activities of the project to conserve fresh water.
- xix. At least 5 % of the total cost of the project should be earmarked towards the Enterprise Social Commitment (ESC) based on local needs and action plan with financial and physical breakup/details should be prepared and submitted to the Ministry's Regional Office at Chandigarh. Implementation of such program should be ensured accordingly in a time bound manner.

B. GENERAL CONDITIONS:

- i. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board (SPCB), State Governments and any other statutory authority.
- ii. No further expansion or modification in the project shall be carried out without prior approval of the Ministry of Environment & Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- iii. The project authorities must strictly comply with the rules and regulations under Manufacture, Storage and Import of Hazardous Chemicals Rules, 2000 as amended

subsequently. Prior approvals from Chief Inspectorate of Factories, Chief Controller of Explosives, Fire Safety Inspectorate etc. must be obtained, wherever applicable.

- iv. 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 EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).
- v. A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad / Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.
- vi. The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry / CPCB / SPCB shall monitor the stipulated conditions.
- vii. The environmental statement for each financial year ending 31st March in Form-V as 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 alongwith the status of compliance of environmental conditions and shall also be sent to the respective Regional Offices of the MOEF by e-mail.
- viii. 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 and may also be seen at Website of the Ministry of Environment and Forests at <http://envfor.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 Regional office.
- ix. 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 commencing the land development work.

8.0 The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

9.0 The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.

10.0 The above conditions shall 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, Hazardous Waste (Management, Handling and Trans-Boundary Movement) Rules, 2008 and the Public (Insurance) Liability Act, 1991 along with their amendments and rules.

11.0 Environmental Clearance is issued to M/s Reliance Gas Pipeline Ltd. for proposed Shohdol-Phulpur Pipeline Project in Madhya Pradesh and Uttar Pradesh.


(Lalit Bokolia)
Additional Director

Copy to :-

1. The Secretary (Environment), Govt. of Madhya Pradesh, Mantralaya, Ballabh Bhavan, Bhopal, MP.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110032.
3. The Principal Secretary, Department of Environment, Government of Uttar Pradesh, Sachivalaya, Bapu Bhawan, Adjacent to Vidhan Sabha, Lucknow - 226001, U.P.
4. The Chief Conservator of Forests, Regional Office (Central Zone, Lucknow) Kendriya Bhavan, 5th Floor, Sector-H,, Aliganj, Lucknow-226024.
5. The Chairman, Uttar Pradesh Pollution Control Board, PICUP Bhawan, Vibhuti Khand, Gomti Nagar, Lucknow - U.P.
6. The Chairman, Madhya Pradesh Pollution Control Board, Paryavaran Parishar , E-5, Arera Colony, Bhopal - 462016
7. The Chief Conservator of Forests (Central), Ministry of Environment, and Forests, Western Regional Office, Kendriya Paryavaran Bhavan, Link Road No. 3, Ravi Shankar Nagar, Bhopal - 462016
8. Monitoring Cell, Ministry of Environment, Forests and Climate Change, Indira Paryavaran Bhavan, Jor Bagh, New Delhi-110003.
9. Guard file / Record file/ Notice Board

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(Lalit Bokolia)
Additional Director