

F.No. 11-16/2017-IA-III
Government of India
Ministry of Environment, Forest and Climate Change
(IA.III Section)

Indira Paryavaran Bhawan,
Jor Bagh Road, New Delhi - 110003
Dated: 17 July, 2017

To,

The Director
M/s H. Energy Gateway Private Limited
514. Dalamal Towers, Nariman Point
District Ratnagiri, Maharashtra - 415612


Sub: Project proposal for laying of natural gas Tie-In pipeline from Jaigarh to Dabhol, in District Ratnagiri, Maharashtra - CRZ Clearance

Sir,

This has reference to your proposal No. IA/MH/MIS/61927/2017, dated 10.03.2017 received in this Ministry for CRZ Clearance in accordance with the provisions of the Coastal Regulation Zone (CRZ) Notification, 2011 issued under the Environment (Protection) Act, 1986.

2. The proposal has been considered by the Expert Appraisal Committee (EAC)-Infrastructure Development, Coastal Regulation Zone, Building / Construction and Miscellaneous projects, in its 170th meeting held on May 11, 2017. The details of the project, as per the documents submitted by you and as informed during the aforesaid meeting are as under:

- (i) The proposed project is laying of 56 Km underground cross country pipeline from Jaigarh to Dabhol to facilitate transportation of regasified LNG, out of which, 1.86 km falls in CRZ area. The pipeline route passes through two Talukas, namely Ratnagiri and Guhagar in Ratnagiri District in Maharashtra State.
- (ii) The route is proposed to cross Shastri River (a tidal influenced river). The pipeline route does not exist within 10 km radius of any natural park, sanctuary and ecological sensitive zone therefore environmental clearance is not required as per EIA notification, 2006.
- (iii) The proposed pipeline (30 inch dia.) including CS conduit for OFC will use the trenchless technology like Horizontal Directional Drilling (HDD) to cross the Shastri River, in order to avoid disturbances to the river bed and mangroves.
- (iv) Appropriate disposal mechanism of bentonite and mud generated will be undertaken.
- (v) The pipewall thickness will be in the range of 14.27 – 19.05 mm and will have external 3 LPE coating and cathodic protection. The design pressure will be 117 kg/cm²g and operating MAOP will be 115 kg/cm²g, with operating life of 40 years.
- (vi) The depth of pipeline will be minimum 1.0 - 2.5 m (typical cover for different location along the Pipeline as per PNGRB and OISD standards), minimum 7.0 m below the scour level for Shastri River crossing (meeting the Maharashtra Maritime Board requirement).
- (vii) It is proposed to install 3 SV stations along the pipeline to facilitate maintenance of system and to allow speedy isolation in the event of damage. Leak and corrosion detection system will be installed.
- (viii) LNG from potential suppliers, will be received, unloaded, stored and re-gasified. The re-gasified LNG from Jaigarh will be delivered to GAIL's Gas trunk pipeline (at



- Dabhol) through a 56 km cross country Pipeline which will act as Tie-In Line for further distribution to potential gas consumers.
- (ix) H-Energy Gateway Private Ltd. (HEGPL) has been authorized by Petroleum and Natural Gas Regulatory Board (PNGRB), Government of India, to Lay, Build, Operate and Expand this Tie-in connectivity vide letter no. Infra/PL/TIC-JD/H-Energy/01/15 dated 18th May 2015 with completion date of 30th June, 2018.
 - (x) CRZ mapping was done by Anna University. As per CRZ mapping, proposed pipeline will pass through CRZ-I (1028.33m), CRZ – III (520.07m) and CRZ – IVB (321.06m) zones. Hence, a total 1.86 km length of pipeline is proposed to pass through CRZ areas.
 - (xi) The proposed pipeline will not pass through any wildlife sanctuary, national park, coral reefs and any ecologically sensitive areas.
 - (xii) Cost of the project will be Rs. 400 Crores.
 - (xiii) The project will after completion will provide clean and cheaper fuel to domestic and industrial customers and will aid in providing sustainable economic growth to the State of Maharashtra.
 - (xiv) Maharashtra Coastal Zone Management Authority has recommended the proposal in its 114th meeting for CRZ perspective vide its letter no. CRZ 2016 /CR 245/TC 4 held on dated 22nd -23rd November, 2016.

3. Based on the information submitted by you as at para no. 2 above and others and presentation made before the EAC (Infrastructure Development, Coastal Regulation Zone, Building / Construction and Miscellaneous projects) in its 170th meeting held on May 11, 2017, and in acceptance of the recommendation of the EAC, the Ministry of Environment, Forest and Climate Change hereby accords CRZ Clearance to the above project viz '*Project proposal for laying of natural gas Tie-In pipeline from Jaigarh to Dabhol, in District Ratnagiri, Maharashtra*' under the provisions of the CRZ Notification, 2011 and amendments thereto and circulars issued thereon, and subject to the compliance of the following specific and general conditions as under:

PART A – SPECIFIC CONDITIONS:

- (i) All conditions/recommendations stipulated by the Maharashtra Coastal Zone Management Authority (MCZMA) vide its letter no. CRZ 2016 /CR 245/TC 4, dated 07.02.2017 shall strictly be complied with.
- (ii) No mangroves shall be cut or disturbed by the proposed pipeline project.
- (iii) Horizontal Directional Drill methodology shall be adopted and no pier shall be constructed so as to ensure that there are no disturbances to the tidal flow of creek water.
- (iv) As specific specie of mangroves are available in and around the region, therefore as a matter of abundant precaution, the project proponent shall ensure that the depth of pipeline shall be at 10 m depth or more (where ever pipeline is passing under mangrove cover) in order to ensure that the roots of the mangroves (if any) are not affected in the process of laying of the proposed pipeline.
- (v) Rs. 25 Lakhs shall be apportioned for marine and coastal biodiversity protection and conservation measures, to be spent by the project proponent towards fulfilling its Corporate Environmental Responsibility (CER) during the currency of the project.



Proper record and account of measures taken should be maintained and should also be submitted to the CZMA every six months.

- (vi) Solid waste shall be collected, treated disposed in accordance with the Solid Waste Management Rules, 2016.
- (vii) 'Consent to Establish' shall be obtained from State Pollution Control Board under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974, as may be applicable.
- (viii) The construction in CRZ areas shall be done strictly in accordance with the provisions of CRZ Notification, 2011 and as amended from time to time.
- (ix) There shall be no dressing or alteration of the sand dunes, natural features including landscape changes for beautification, recreation and other such purpose.
- (x) All waste (liquid and solid) arising from the proposed development will be disposed off as per the norms prescribed by State Pollution Control Board.
- (xi) The project proponent shall ensure that no ground water drawal is carried out within CRZ areas without prior approval of the Central Ground Water Authority.
- (xii) Disposal of muck during construction phase should not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- (xiii) Any hazardous waste generated during construction phase, should be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
- (xiv) As part of CSR activity, the project proponent shall formulate schemes identified based on need based assessment and implemented in select villages in the project area in consultation with the village Panchayat and the District Administration. Separate budget for community development activities and income generating programmes shall be earmarked.
- (xv) The pipeline shall be laid on trestles to minimise impact on sea bed and aquatic life.
- (xvi) Treated waste water conforming to GPCB norms shall only be discharged; it shall be ensure that regular monitoring results of the treated waste water discharge conducted by an independent agency shall be submitted to the GPCB and the regional office of Ministry.

PART – B: GENERAL CONDITIONS

- (i) Adequate provision for infrastructure facilities including water supply, fuel and sanitation must be ensured for construction workers during the construction phase of the project to avoid any damage to the environment.
- (ii) Full support shall be extended to the officers of this Ministry/Regional Office by the project proponent during inspection of the project for monitoring purposes by



furnishing full details and action plan including action taken reports in respect of mitigation measures and other environmental protection activities.

- (iii) The Ministry of Environment, Forest & Climate Change or any other competent authority may stipulate any additional conditions or modify the existing ones, if necessary in the interest of environment and the same shall be complied with.
- (iv) The Ministry reserves the right to revoke this clearance if any of the conditions stipulated are not complied with to the satisfaction of the Ministry.
- (v) In the event of a change in project profile or change in the implementation agency, a fresh reference shall be made to the Ministry.

4. 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.

5. The above stipulations would be enforced among others under the provisions of the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991, the EIA Notification, 2006 and the CRZ Notification, 2011.

6. The Ministry 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.

7. 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, as applicable by project proponents from the respective competent authorities.

8. The project proponent 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 CRZ Clearance and copies of clearance letters are available with the State Pollution Control Board (SPCB) and may also be seen on the website of the Ministry of Environment, Forest and Climate Change at <http://www.envfor.nic.in>. The advertisement should be made within Seven days from the date of receipt of the Clearance letter and a copy of the same should be forwarded to the Regional Office of this Ministry at Nagpur.

9. This Clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs Union of India in Writ Petition (Civil) No.460 of 2004 as may be applicable to this project.

10. Any appeal against this clearance shall lie with the National Green Tribunal, Western Zone, at Pune, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

11. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parisad/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 website of the company by the proponent.

12. The proponent shall upload the status of compliance of the stipulated 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&CC, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely SPM, RSPM, SO₂, NO_x (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.

13. 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 along with the status of compliance of conditions and shall also be sent to the respective Regional Office of the Ministry by e-mail.


(Arvind Kumar Nautiyal)
Director

Copy to:

1. The Secretary, Department of Environment, Govt. of Maharashtra, Mantralaya, Mumbai-32
2. The Chairman, CPCB, Parivesh Bhawan, CBD cum-Office Complex, East Arjun Nagar, Delhi-32
3. The Chairman, Maharashtra Coastal Zone Management Authority, Room No. 217 (Annexe), Mantralaya Mumbai-32
4. The Member Secretary, Maharashtra Pollution Control Board, Sion (E), Mumbai
5. The APCCF, MoEF&CC, Regional Office (WCZ), Ground Floor, East Wing, New Secretariat Building , Civil Lines, Nagpur.
6. Guard File.
7. Monitoring Cell.


(Arvind Kumar Nautiyal)
Director