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**No. 11-103/2009-IA-III
Government of India
Ministry of Environment and Forests**

**Paryavaran Bhawan,
CGO Complex, Lodhi Road,
New Delhi - 110 003.**

Dated: 1st April, 2010.

**To
M/s. Hindustan Oil Exploration Company Limited,
'Lakshmi Chambers',
192, St. Mary's road, Alwarpet,
Chennai - 600 018.**

Subject: CRZ Clearance for laying of a pipeline from Py-1 offshore platform to the onshore gas processing plant at village Piliaperumalnattur Tharangamballi in Nagapattinam District, Tamil Nadu by M/s. Hindustan Oil Exploration Company Ltd. - Reg.

This has reference to your application No. HoEC/ENV/CRZ/PY-F/2009-10/013, dated 15.10.2009 forwarded by the Principal Secretary, Environment and Forests (EC.3) Department, Govt. of Tamil Nadu vide letter No: 25461/EC.3/2007, dated 14.10.2008 and subsequent letters dated 25.11.2009 and 12.12.2009 seeking prior CRZ Clearance for the above project under the CRZ Notification, 1991. The proposal has been appraised as per prescribed procedure in the light of provisions under the Coastal Regulation Zone Notification, 1991 on the basis of the mandatory documents enclosed with the application viz., the EIA, EMP etc. by Expert Appraisal Committee constituted by the competent authority in its meetings held on 23rd - 24th November, 2009 and 27th - 29th January, 2010.

2. It is inter-alia, noted that the proposal is for laying of pipeline from their Py-1 offshore platform, block development project for the production at onshore processing plant at village Piliaperumalnattur Tharangamballi in district Nagapattinam. It is proposed to provide a pipeline of about 57 km from the offshore platform to the on shore plant. The total pipeline length is 587 meters pass through CRZ area. Pipeline wall thickness is 12.7 mm with 3 mm corrosion allowance. The pipeline will be buried 2 to 2.5 m below the Ground level. There are no mangroves, corals reefs or ecologically sensitivity environment. The onshore processing plant is proposed to be situated outside CRZ area. The HTL/LTL demarcation was carried out for the site by Anna University. The total area envisaged for setting up the project is 1.175 ha. Further, it is also proposed to lay a pipeline for the discharge of treated effluent into the sea. The pipeline will be buried along with the product pipeline in the ground. Since the well fluid will consist of gas,



condensate / oil and water, it is proposed to process the product and to remove oil and the resultant water to be treated before discharged into sea. The proposed quantity of discharge of treated effluent is 17 m³/hr. The treated effluent is proposed to be discharged through a marine outfall line of 4' diameter and through a diffuser to be located 750 mts. in the sea.

3. As per para 3(2)(ii) of CRZ Notification, 1991, the activity of laying of pipeline is a permissible activity. Tamil Nadu Coastal Zone Management Authority has recommended the proposal vide letter No. 25461/EC-3/2007, dated 14.10.2009.

4. The Expert Appraisal Committee, after due consideration of the relevant documents submitted by the project proponent and additional clarifications furnished in response to its observations, have recommended for the grant of CRZ Clearance for the project mentioned above. Accordingly, the Ministry hereby accord necessary CRZ Clearance for the above project as per the provisions of CRZ Notification, 1991 and its subsequent amendments, subject to strict compliance of the terms and conditions as follows:

5. Specific Conditions:

I. Construction phase:

- (i) All recommendation of EMP, DMP shall be strictly complied with.
- (ii) All the commitments/details submitted vide letter dated 18.12.2009 and presentation made on 23rd - 24th November, 2009 shall be strictly complied with.
- (iii) All the conditions stipulated by Tamil Nadu State Coastal Zone Management Authority vide letter No. 25461/EC-3, dated 14.10.2009.
- (iv) The project shall be implemented in such a manner that there shall be no damage whatsoever to the mangroves/other sensitive coastal ecosystems.
- (v) A continuous and comprehensive post-project marine quality monitoring programme shall be taken up. This shall include monitoring of water quality, sediment quality and biological characteristics and the report shall be submitted every 6 month to Ministry's Regional Office at Bangalore.
- (vi) It shall be ensured that there is no displacement of people and the houses as a result of the project.



- (vii) There shall be display boards at critical locations along the route of the pipeline giving emergency instructions. This will ensure prompt information regarding location of accident during any emergency. Emergency Information board shall contain emergency instructions in addition to contact details.
- (viii) There shall be no withdrawal of ground water in CRZ area, for the project.
- (ix) Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- (x) A First Aid Room will be provided in the project both during construction and operation of the project.
- (xi) Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality.
- (xii) Any hazardous waste generated during construction phase, should be disposed off as per applicable rules and norms with necessary approvals of the Tamil Nadu Pollution Control Board.
- (xiii) The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.
- (xiv) The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from Chief Controller of Explosives shall be taken.
- (xv) Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.
- (xvi) Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/ TNSPCB.



- (xvii) Storm water control and its re-use as per CGWB and BIS standards for various applications.
- (xviii) Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings.

II. Operation Phase

- (i) Noise should be controlled to ensure that it does not exceed the prescribed standards. During night time the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.
- (ii) The green belt of the adequate width and density preferably with local species along the periphery of the plot shall be raised so as to provide protection against particulates and noise.
- (iii) The ground water level and its quality should be monitored regularly.
- (iv) The mangroves, if any, on the site should not be disturbed in any way.
- (v) The environmental safeguards contained in the EIA Report should be implemented in letter and spirit.
- (vi) A separate Environment Management Cell with suitably qualified staff to carry out various environment related functions shall be set up under the charge of a Senior Executive who will report directly to the Chief Executive of the Company.
- (vii) The funds earmarked for environment protection measures shall be maintained in a separate account and there shall be no diversion of these funds for any other purpose. A year-wise expenditure on environmental safeguards shall be reported to this Ministry's Regional Office at Bangalore.
- (viii) In case of deviation or alteration in the project including the implementing agency, a fresh reference shall be made to this Ministry for modification in the clearance conditions or imposition of new one for ensuring environmental protection. The project proponents shall be responsible for implementing the suggested safeguard measures.
- (ix) This Ministry reserves the right to revoke this clearance, if any of the conditions stipulated are not complied with to the satisfaction of this Ministry.



6. 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) Appropriate measures must be taken while undertaking digging activities to avoid any likely degradation of water quality.
- (iii) Borrow sites for each quarry sites for road construction material and dump sites must be identified keeping in view the following:
 - (a) No excavation or dumping on private property is carried out without written consent of the owner.
 - (b) No excavation or dumping shall be allowed on wetlands, forest areas or other ecologically valuable or sensitive locations.
 - (c) Excavation work shall be done in close consultation with the Soil Conservation and Watershed Development Agencies working in the area, and
 - (d) Construction spoils including bituminous material and other hazardous materials must not be allowed to contaminate water courses and the dump sites for such materials must be secured so that they shall not leach into the ground water.
- (iv) The construction material shall be obtained only from approved quarries. In case new quarries are to be opened, specific approvals from the competent authority shall be obtained in this regard.
- (v) Adequate precautions shall be taken during transportation of the construction material so that it does not affect the environment adversely.
- (vi) Borrow pits and other scars created during the laying of cable shall be properly levelled and treated.
- (vii) Adequate financial provision must be made in the project to implement the aforesaid safeguards.
- (viii) The project proponent will set up separate environmental management cell for effective implementation of the stipulated environmental safeguards under the supervision of a Senior Executive.



- (ix) Full support shall be extended to the officers of this Ministry/ Regional Office at Bangalore 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.
- (x) Ministry of Environment & Forests 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.
- (xi) The Ministry reserves the right to revoke this clearance if any of the conditions stipulated are not complied with the satisfaction of the Ministry.
- (xii) In the event of a change in project profile or change in the implementation agency, a fresh reference shall be made to the Ministry of Environment and Forests.
- (xiii) The project proponents 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 land development work.
- (xiv) Tamil Nadu State Pollution Control Board shall display a copy of the clearance letter at the Regional Office, District Industries Center and Collector's Office/Tehsildar's office for 30 days.

7. These stipulations would be enforced among others under the provisions of 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 and EIA Notification 2006, including the amendments and rules made thereafter.

8. 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.

9. The project proponent shall 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 Tamil Nadu State Pollution Control Board and may also be seen on the website of the Ministry of Environment and Forests at <http://www.envfor.nic.in>. The advertisement should be made within 10 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 Bangalore.

10. Environmental 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.

11. Any appeal against this Environmental Clearance shall lie with the National Environment Appellate Authority, if preferred, within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Act, 1997.

12. 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.

13. The proponent shall upload the status of 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 at Bangalore, the respective Zonal Office of CPCB and the MSPCB. 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.

14. The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.

15. 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 Tamil Nadu 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 EC conditions and shall also be sent to the respective Regional Offices of MoEF at Bangalore by e-mail.



(Bharat Bhushan)
Director (IA-III)

01.04.2010

Copy to:

1. The Principal Secretary, Environment and Forests (EC-3) Department, Govt. of Tamil Nadu, Secretariat, Chennai - 9.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110 032.
3. The Chairman, Tamil Nadu Coastal Zone Management Authority and Principal Secretary, Govt. of Tamil Nadu, Environment and Forests (EC.3) Department, Secretariat, Chennai - 9.
4. The Chairman, Tamil Nadu State Pollution Control Board, Chennai.
5. The Director, Environment Department, Govt. of Tamil Nadu, Chennai.
6. The CCF, Regional Office, Ministry of Environment & Forests(SZ), Kendriya Sadan, IVth floor, E&F wings, 17th Main Road, Koramangala II Block, Bangalore - 560 034.
7. Guard File.
8. Monitoring File.

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(Bharat Bhushan)
Director (IA-III)

HOEC INTERNAL CIRCULATION			
M.D		FILE	PYL
F & A		CONTRACTS	
SECT DEPT	MB	HSE	PG/SV
G & G		ADMN	
WCD		BARODA	
ENGG.		OTHERS	
DATE:	April 12, 2010		

Original with MB
cc: All