

**Half Yearly Compliance Report with respect to conditions stipulated by Ministry of Environment & Forests, Government of India and Department of Forests, Government of Gujarat for setting up of standby LNG jetty at Dahej, District Bharuch in Gulf of Khambhat, Gujarat as on 30.06.2015**

COMPLIANCE REPORT TO THE CONDITION MENTIONED IN MOE&F LETTER NO. J-17011/11/2000-IA-III, DATED: 14<sup>TH</sup> NOVEMBER, 2008.

**(A) Specific Conditions:**

- i) Adequate safety measures for the offshore structure and ship navigation shall be taken in view of the high current in the area.

**All safety measures taken during Design Stage.**

- ii) The shore line changes in the area shall be monitored periodically.

**Periodically monitoring is being done.**

- iii) The recommendation of the Scour study shall be incorporated in the design.

**Incorporated in Design.**

- iv) The recommendations of the risk assessment shall be implemented. Any change in the design of the project shall come before the committee for seeking necessary approval.

**Noted. Construction works completed without any change in the design of the Project.**

- v) Mangrove plantation to be done in consultations with the GEER/GEC of Forest Department, a detailed plan shall be submitted within six months from the date of receipt of this letter.

**Following Mangrove Plantation Completed and planned along the Gujarat Coast in consultation with GEC & Forest Dept.:**

**a. Completed : 1100 Hectares (2009-10, 2010-11, 2011-12, 2012-13, 2013-14, 2014-15)**

**b. New MoU : PLL plan to sign MoU with Forest Department to carry out additional 100 ha. Mangrove Plantation during 2015-16**

- vi) It shall be ensured that during construction and post construction of the proposed jetty the movement fishermen vessels of the local communities are not interfered with.

**Complied.**

- vii) Relocation of the fishermen community shall be done strictly in accordance with the norms prescribed by the State Government. The relocated fishermen community shall be provided with all facilities including health care, education, sanitation and livelihood.

**Noted.**

- viii) Marine ecology monitoring shall be done regularly during construction of Breakwater and dredging operation.

**No dredging has been carried or planned to be carried out in near future.**

- ix) Regular monitoring of air quality shall be done in the settlement areas around the project site and appropriate safeguard measures shall be taken to ensure that the population is not subjected to higher levels of air pollution.

**Construction activities completed and Jetty is Operational since April, 2014. Air quality monitoring is being done and its report is attached as Annexure-I to this report.**

- x) Sewage arising in the port area shall be disposed off after adequate treatment to conform to the standards stipulated by Gujarat State Pollution Control Board and shall be utilized/re-cycled for gardening, plantation and irrigation.

**Sewage treatment plant is installed in Port Area.**

- xi) Adequate plantation shall be carried out along the roads of the Port premises and a green belt shall be developed.

**Plantation is carried out along the roads of the Port premises and green belt development is in progress.**

- xii) There shall be no withdrawal of ground water in CRZ area, for this project.

**Noted & complied.**

- xiii) Specific arrangements for rain water harvesting shall be made in the project design and the rain water so harvested shall be optimally utilized. Details in this regard shall be furnished to this Ministry's Regional Office at Bhopal within 3 months.

**The LNG Jetty is being set up very near to the coast line at Dahej where water table is very high. Moreover the sea water is brackish in that area. Preliminary investigation indicates that it might not be feasible to carry out rain water harvesting in this area. The process water requirement in LNG terminal at Dahej is NIL. The sanitary waste water is being used for green belt purpose.**

- xiv) Land reclamation shall be carried out only to the extent that it is essential for this project.

**Noted and complied.**

- xv) No product other than those permissible in the Coastal Regulation Zone Notification, 1991 shall be stored in the Coastal Regulation Zone area.

**Noted and complied.**

## **B. General Conditions:**

- (i) Construction of the proposed structures, if any in the Coastal Regulation Zone area shall be undertaken meticulously conforming to the existing Central/local rules and regulations including Coastal Regulation Zone Notification 1991 & its amendments. All the construction designs / drawings relating to the proposed construction activities must have approvals of the concerned State Government Departments / Agencies.

**Complied.**

**The construction and commissioning of the facilities at Dahej completed and jetty is operational since April, 2014.**

- (ii) Adequate provisions for infrastructure facilities such as water supply, fuel, sanitation etc. shall be ensured for construction workers during the construction phase of the project so as to avoid felling of trees/mangroves and pollution of water and the surroundings.

**Complied as per statutory requirement.**

- (iii) The project authorities must make necessary arrangements for disposal of solid wastes and for the treatment of effluents by providing a proper wastewater treatment plant outside the CRZ area. The quality of treated effluents, solid wastes and noise level etc. must conform to the standards laid down by the competent authorities including the Central/State Pollution Control Board and the Union Ministry of Environment and Forests under the Environment (Protection) Act, 1986, whichever are more stringent.

**No effluent treatment plant in CRZ area. Noise level and Ground water monitoring is being done and its report is attached as Annexure-II & Annexure-III to this report.**

- (iv) The proponent shall obtain the requisite consents for discharge of effluents and emissions under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (prevention and Control of Pollution) Act, 1981 from the Gujarat Pollution Control Board before commissioning of the project and a copy of each of these shall be sent to this Ministry.

**Necessary approval has been taken for existing terminal. Copy was submitted vide our letter no. PLL/DHJ/MoEF/009 dated 21.01.2014.**

- (v) The sand dunes, corals and mangroves, if any, on the site shall not be disturbed in any way.

**Agreed.**

- (vi) A copy of the clearance letter will be marked to the concerned Panchayat / local NGO, if any, from whom any suggestion/representation has been received while processing the proposal.

**Noted.**

- (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 Bhopal and the State Pollution Control Board.

**Complied.**

**Rs 33.22 Lacs spent for development of green belt and mangrove plantation during the year 2009-2010.**

**Rs 50 Lacs spent for development of Green belt and Mangrove plantation during the year 2010-2011**

**Rs 93.31 Lacs spent for development of Green belt and Mangrove plantation during the year 2011-2012**

**Rs 109.57 Lacs spent for development of Green belt and Mangrove plantation during the year 2012-2013**

**Rs 95.20 Lacs spent for development of Green belt and Mangrove plantation during the year 2013-2014.**

**Rs 81.68 Lacs spent for development of Green belt and Mangrove plantation during the year 2014-15.**

**Budgeted Rs. 67.85 Lacs for development of Green Belt and Mangrove Plantation during the year 2015-16.**

- (viii) Full support shall be extended to the officers of this Ministry's Regional Office at Bhopal and the officers of the Central and State Pollution Control Boards by the project proponents during their inspection for monitoring purposes by furnishing full details and action plans including the action taken reports in respect of mitigate measures and other environmental protection activities.

**Agreed.**

- (ix) 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 ones for ensuring environmental protection.

**Noted & Agreed.**

- (x) 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.

**Noted & Agreed.**

- (xi) This Ministry or any other competent authority may stipulate any other additional conditions subsequently, if deemed necessary, for environmental protection, which shall be complied with.

**Noted & Agreed.**

- (xii) The project proponent shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned informing that the project has been accorded environmental clearance and copies of clearance letters are available with the State Pollution Control Board and may also be seen at Website of the Ministry of Environment & Forests at <http://www.envfor.nic.in>. The advertisement shall be made within 7 days from the date of issue of the clearance letter and a copy of the same shall be forwarded to the Regional Office of this Ministry at Bhopal.

**Noted and Complied.**

- (xiii) The Project proponents shall inform the Regional Office at Bhopal 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.

**Complied. Project is now completed. Jetty is under operation since April-2014.**

- (xiv) 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.

**Noted.**

**Compliance to conditions as conveyed by Department of Forests & Environment, Govt. of Gujarat, Letter No. ENV-10-2004-117-E, dated: September 5, 2008.**

1. The provisions of CRZ notification of 1991 and subsequent amendments issued from time to time shall be strictly adhered to by PLL.

**Noted.**

2. All necessary permissions from different Government Departments / Agencies shall be obtained by PLL before commencing the expansion activities.

**All approvals from different Government Departments were taken before commissioning.**

3. No effluent or sewage shall be discharged into the sea / creek or in the CRZ area and shall be treated to conform the norms prescribed by the Gujarat Pollution Control Board and would be reused / recycled within the plant premises.

**Noted and complied.**

4. All the recommendations and suggestion given by the NIOT and WAPCOS in their Environment Impact Assessment reports shall be implemented strictly.

**Noted.**

5. The cost of the external agency that may be appointed by this department for supervision / monitoring of the project activities during construction / operational phases shall be paid by PLL.

**Noted and agreed.**

6. The PLL shall have to contribute financially for any common study or project that may be proposed by this Department for environmental management / conservation / improvement for the Gulf of Khambhat or for Dahej region.

**Agreed.**

7. The construction debris and any other type of waste shall not be discharged into the sea / creek or in CRZ areas. The debris shall be removed from construction site immediately after construction is over.

**Agreed.**

8. The construction camps shall be located outside the CRZ area and the construction labor shall be provided with necessary amenities, including sanitation, water supply and fuel and it shall be ensured that the environmental conditions are not deteriorated by construction labor.

**Noted & complied.**

9. The PLL shall prepare and regularly update its local oil Spill Contingency plan and Disaster Management Plan in consonance with National Oil Spill and Disaster Contingency Plan

**Complied for operation of Existing LNG Terminal facilities.**

10. The Gujarat Maritime Board shall initiate for the Vessel Traffic Management System for the Gulf of Khambhat and would work out the modus operandi for cost sharing by different players in the Gulf including PLL. The PLL shall contribute for the same as may be decided by Gujarat Maritime Board.

**Gujarat Maritime Board has established VTS System and PLL is complying all norms as per Gujarat Maritime Board.**

**General Conditions:**

11. The ground water shall not be tapped to meet with the water requirements in any case.

**Complied.**

12. The PLL shall take up massive mangrove plantation activities in 100 ha. of area on Gujarat Coast line as well as greenbelt development activities in consultation with the Gujarat Institute of Desert Ecology / Forest department.

**Following Mangrove Plantation Completed and planned along the Gujarat Coast in consultation with GEC & Forest Dept.:**

- a. Completed : 1100 Hectares (2009-10, 2010-11, 2011-12, 2012-13, 2013-14, 2014-15)
- b. New MoU : PLL plan to sign MoU with Forest Department to carry out additional 100 ha. Mangrove Plantation during 2015-16

13. The PLL shall have to contribute financially for taking up the socio-economic upliftment activities in this region in consultation with the Forest and Environment Department and the District Collector / District Development Officer.

**PLL is taking active part in consultation with District Collector in CSR projects. Some of the recent CSR project in which PLL participated are:**

**Primary health services to Luvara village, Gynec health and Pulse Polio campaign (Pakhajan PHC). PLL supported noble cause of Construction of Storm water drainage at Shravan Chokdi to Jambusar by pass (over bridge) in Bharuch. This project is executed under District Collector office.**

**Request from CDHO (Chief District Health Officer) was received to participate in various health initiatives. PLL agreed during meeting with DM to provide the ambulance for PHC, Pakhajan Village of Vagra Taluka. PLL is supporting Luvara School for reference books, uniform, school picnic and creating awareness on environment, health, safety and security aspects through various programs regularly, rewarding bright students etc. PLL celebrated Shala Pravesh Utsav at Luvara School and distributed tool box to children.**

**Bharuch has problem of solid waste management and garbage disposal. To improve on cleanliness of the town, PLL is supporting initiative of GREEN BHARUCH CLEAN BHARUCH by donating two dumper placer worth Rs. 23.94 Lakh.**

**Due to delay in recruitment of teachers, primary schools in and around Dahej has 40% teaching staff. To support education by deploying young educated teachers, PLL sponsored 14 teachers in 4 schools of villages of Dahej, Lakhigam and Luvara.**

**PLL constructed 11 houses of homeless tribes in Luvara village at a cost of 25 Lakh. PLL initiated drive to make Luvara open defecation free by sponsoring toilets for 172 houses at a cost of Rs. 17.2 Lakh.**

**As a part of initiative for Swachh Bharat Abhiyan, PLL constructed five toilet blocks for school at Lakhigam, Luvara, Ambetha, Jageshwar & Dahej. Also, PLL is constructing 91 Toilet blocks at an estimated expenditure of Rs. 172 Lakhs for various schools in fifteen district of Assam in co-ordination with Rashtriya Madhiyamik Siksha Abhiyan (RMSA), of which 36 has been completed.**

14. Environmental Audit report indicating the changes, if any with respect to the baseline quality, in the coastal and marine environment shall be submitted every year.

**Noted.**

15. A six monthly report on compliance of the conditions mentioned in this letter shall have to be furnished by the PLL on regular basis to this Department.

**Noted for compliance.**

16. Any other condition that may be stipulated by this Department from time to time for environmental protection / management purpose shall also have to be complied with by the PLL.

**Noted.**



