

Half Yearly Compliance Report

from

April 2017 to September 2017

of

Environment Clearance

for

“Reclamation of 350 ha Area – Part of Establishing Deep Draught Berth (500 m Jetty, Dedicated Channel, Turning Circle and Reclamation)” at Hazira, Gujarat

Submission to:

Western Regional Office, Bhopal

Ministry of Environment, Forests and Climate Change

Regional Office, Gujarat Pollution Control Board, Surat

Gujarat Pollution Control Board, Gandhinagar

Submitted By:

M/s. ESSAR BULK TERMINAL LIMITED

27th KM from Surat-Hazira Road

Surat – 394 270

Gujarat, India

2017

**Half Yearly Compliance Report
Period: April 2017 to Spetember 2017
Year 2017-18**

"Environmental Clearance for 350 ha Reclamation – Part of Deep Draught Berth (550 m jetty, dedicated channel, turning circle & Reclamation), issued Vide No. 11-65/2005- IA-III dated 20th December 2007", for ESSAR Bulk Terminal Limited, Hazira, Surat.

| S.No. | Conditions | Compliance Status |
|----------|---|--|
| A | | Specific Conditions |
| i) | All the Clarifications Provided by Project Proponent Vide their letter No. ESTL / ENV/ P3 / 11-07, dated 19/11/2007 should be strictly Complied with. | Noted and Complied. Clarifications mentioned in the letter submitted vide No. ESTL/ENV/P3/11-07 dated 19/11/2007 were taken into consideration and strictly followed. |
| ii) | It should be ensured that no mangroves are destroyed during reclamation. The mangroves present abutting the site should be protected. | Noted and being Complied. In order to protect the existing mangrove area / patches, out of 350 ha (for which EC has been granted) only 186 ha is being reclaimed leaving the remaining mangrove area undisturbed. Moreover, steps has been taken ensure natural tidal flushing of the area like: <ul style="list-style-type: none"> Regular physical inspections of the area to check any sedimentation, Care has being taken so that the drained water during dreding not get released in the creek feeding the mangroves, Regular checks on the DO levels, Also, construction of trestle berth in a way so that ample amount of tidal flushing will be received by the mangrove areas. M/s. Gujarat Institue of Desert Ecology (GUIDE) has been engaged in Mangrove Mapping of the area and as per their report of October 2017. Please refer Annexure 1 for the report. In addition to these, trestle berth is proposed to connect the reclaimed area on either side of the mangrove area ensuring the natural tidal flushing. |
| iii) | The Proposed extension to the project should not cause any shoreline changes abutting the project area and the mangrove. | Noted. The National Centre for Sustainable Coastal Management (NCSCM) and Institute of Ocean Management has prepared maps of Shoreline change due Erosion/ Accretion at surat, Gujarat coast as per sheet 50, Index no. 78, 79, 80, 81 states that mouth zone of the Tapi estuary where the EBTL's port facilities are set up are classified as " Stable Coast ". In addition to this, project was carried out under the recommendations / suggestions made by NIO. Thus changes in shoreline are not envisaged during the project. Please refre Point No. (ii), just above for mangrove area. |
| iv) | Adequate Provision for beach nourishment and sand bypass should be provided. | Not applicable. |



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| v) | The dredged material obtained should be utilized for filling up of back up area. | Noted and Complied. Capital Dredging materials have been used for reclamation of 186 ha of area. |
| vi) | All Conditions Stipulated in the environmental Clearance letter of even number dated 6.9.2007 should be strictly Complied with. | Noted and being complied. We are also submitting the half yearly compliance reports for the same to the Regional Office (RO) of Gujarat Pollution Control Board (GPCB), Surat and to the Regional Office (RO) of the Ministry of Environment, Forests and Climate Change (MoEF&CC), Bhopal on regular basis. |
| vii) | The reclaimed area should be used as Containers Stackyard and Cargo handling and transportation network. | Noted and being complied. Reclamation in 186 Ha is completed and the area is being used as port back up area for cargo storage facility. |
| viii) | Adequate drainage facilities should be provided in the reclaimed area along with collection and treatment system for treating the run off from the Container Stackyard. A detailed plan in this regard shall be provided within 3 months from the date of issue of this letter. | Complied. Adequate drainage facilities has been provided and the drainage network plan had already been submitted to the MoEF&CC through our previous compliance report of April 2008. |
| ix) | A detailed traffic management plan taking into account the existing traffic and the anticipated traffic due to the project. The Plan should be submitted to the Ministry within 3 months from the date of issue of this letter. | Complied. Road Traffic Management Study was conducted at the time of EIA. Traffic management of vessels is done by Vessel Traffic Management System (VTMS) operated by Gujarat Maritime Board (GMB). |
| x) | Necessary approvals / Clearances should be obtained from the Gujarat Coastal Zone Management Authority and Gujarat Pollution Control Board before implementing the project. | Complied. Required approvals were obtained and submitted vide our letter no. EBTL/ENV/COMP-MoEF/NS/01-11 dated. 21/01/2011 to the MoEF&CC. |
| B | General Conditions | |
| i) | Construction of the proposed structures should 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. Reclamation in 186 Ha is completed in accordance to the rules and regulation notified in CRZ Notification 1991 and its amendments. Construction drawings have been approved by GMB before construction. |
| ii) | Adequate Provisions for infrastructure facilities such as Water supply, fuel, sanitation etc. should 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. |

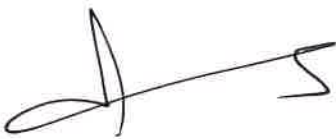


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| iii) | The Project authorities must make necessary arrangements for disposal of solid wastes and for the treatment of effluents by providing a proper wastewater treatment plant outside the CRZ area. The quality of treated effluents, Solid wastes 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. | <p>Being Complied.</p> <p>There is not trade effluent generation thus, setting of wastewater treatment plant is not envisaged.</p> <p>Solid waste generated during the operations is being first segregated and then disposed as per the Solid Waste Management Rules 2016.</p> <p>Regular monitoring for environmental parameters is being carried out in the area. Please find the Annexure 2 for the environment monitoring reports for the period of April 2017 to September 2017.</p> |
| 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. | <p>Complied.</p> <p>Consolidated Consent and Authorization (CCA) has been taken from the Gujarat Pollution Control Board (GPCB) vide Order No. 40300 dated 19/01/2011 which was valid till 22.08.2015. Subsequently we have obtained CCA with Order No. 73836 issued dated 20.10.2015 with an extended validity till 29.07.2020.</p> <p>We have also received CCA as amended to CCA Order No. 73836 for Proposed Expansion vide Order No. AWH-76307 dated 28.03.2016 with a validity till 29.07.2020. Please refer Annexure 3.A to 3.C for the copies of CCAs.</p> |
| v) | The proponents shall provide for a regular monitoring mechanism so as to ensure that the treated effluents conform to the prescribed standards. The records of analysis reports must be properly maintained and made available for inspection to the concerned State / Central Officials during their visits. | <p>Not applicable.</p> <p>There is no trade effluent generation from this project.</p> |
| vi) | In order to carry out the environmental monitoring during the operational phase of the project, the project authorities should provide an environmental laboratory well equipped with standard equipment and facilities and qualified manpower to carry out the testing of various environmental parameters. | <p>Noted and Complied.</p> <p>EBTL has its own Environment Management Cell headed by Joint General Manager overlooked by Chief Executive Officer. Monitoring of environmental parameters is being carried out on regular basis and for analysis we have a well-developed and well-equipped laboratory at Essar Steel Plant with qualified manpower.</p> |
| vii) | The sand dunes and mangroves, if any, on the site should not be disturbed in any way. | <p>Complied.</p> <p>Extreme care has been taken during construction as well as during the operational phase so that none of the activity will disturb the mangroves or sand dunes in the area, if present. However, no sand dunes reported in the area.</p> |

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| viii) | 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. | Complied. Copy of environment clearance letter was sent to concerned panchyat / local NGO through Regional GPCB office. | | | | | | | | | | | | | | |
| ix) | The Gujarat Pollution Control Board should display a copy of the clearance letter at the Regional Office, District Industries centre and Collector's Office/ Tehsildar's Office for 30 days. | Complied by GPCB. | | | | | | | | | | | | | | |
| x) | The funds earmarked for environment protection measures should be maintained, in a separate account and there should be no diversion of these funds for any other purpose. A year-wise expenditure on environmental safeguards should be reported to this Ministry's Regional Office at Bangalore and the State pollution Control Board. | Noted and complied. INR. 10 crores have been spent for environment protection measures. <table border="1" data-bbox="744 813 1434 1048"> <thead> <tr> <th>S.No.</th> <th>Measures</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Dust Suppression</td> </tr> <tr> <td>2</td> <td>Environment Monitoring</td> </tr> <tr> <td>3</td> <td>Greenbelt Development</td> </tr> <tr> <td>4</td> <td>Plantation Aftercare</td> </tr> <tr> <td>5</td> <td>Mangrove Plantation</td> </tr> <tr> <td>6</td> <td>OSCP & Equipment</td> </tr> </tbody> </table> | S.No. | Measures | 1 | Dust Suppression | 2 | Environment Monitoring | 3 | Greenbelt Development | 4 | Plantation Aftercare | 5 | Mangrove Plantation | 6 | OSCP & Equipment |
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| 1 | Dust Suppression | | | | | | | | | | | | | | | |
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| 6 | OSCP & Equipment | | | | | | | | | | | | | | | |
| xi) | Full Support should be extended to the Officers of this Ministry's Regional Office at Bangalore 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 mitigative measures and other environmental protection activities. | Noted. | | | | | | | | | | | | | | |
| xii) | In case of deviation or alteration in the project including the implementing agency, a fresh reference should be made to this Ministry for modification in the clearance conditions or imposition of new ones for ensuring environmental protection. | Noted and agreed. | | | | | | | | | | | | | | |
| xiii) | This Ministry reserve the right to revoke this clearance, if any of the conditions stipulated are not complied with to the satisfaction of this Ministry. | Noted. | | | | | | | | | | | | | | |
| xiv) | 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. | | | | | | | | | | | | | | |

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| xv) | <p>The project proponent should 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.envfornic.in. The advertisement should be made within 7 days from the date of issue of the clearance letter and a copy of the same should be forwarded to the Regional Office of this Ministry at Bangalore.</p> | <p>Complied. Advertisement was published in two local daily newspaper in Deember 2007.</p> |
| xvi) | <p>The project proponents should 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.</p> | <p>Complied. Financial closure of the project is completed and reclamation in 186 ha is completed till date.</p> |

For **ESSAR BULK TERMINAL LIMITED**



Captain S. Das
Chief Executive Officer

