# Minutes of the 118th SEAC Meeting held on 03rd August 2018

| | |
|---|---|
| 118th - 6488/2018 | **Proposed Silambimangalam Captive Coal Trestle Jetty & Foreshore Cargo Handling Facility by M/s. The Ramco Cements Limited at S.F.No. Parts of 223, 225, 254, etc. of Periyapattu Village, Bhuvanagiri Taluk, Cuddalore District, Tamil Nadu - Issue of Terms of Reference - Category "B1" Under Sl. No. 7(e) of the Ports and Harbour projects- Regarding.** |
| | The Proponent of "M/s. Ramco Cements Limited" has applied for Terms of Reference for the Proposed Silambimangalam Captive Coal Trestle Jetty & Foreshore Cargo Handling Facility at S.F.No. Parts of 223, 225, 254, etc. of Periyapattu Village, Bhuvanagiri Taluk, Cuddalore District, Tamil Nadu to SEIAA-TN.<br><br>The proposal was placed in the 118th SEAC Meeting held on 03.08.2018.<br><br>The salient features of the project are as follows:<br>1. Jetty:-<br>i) Jetty will be located at 1610m from the coast line at a water depth of 10m.<br>ii) The jetty will be connected to the shore by the Approach Trestle, aligned along west to east direction and joins the berth at the north end. The berth is oriented toward south east (SE) direction.<br>iii) The jetty is arranged in such a way that the berthing of vessel on outside of the loading platform with sufficient mooring arrangement and berthing dolphins.<br>iv) Pump house and electrical room shall be located on the south side of the approach trestle at around 1000m.<br>2. Port:-<br>i) Port Control Building housing Administrative Office, Customs, Security, viewing gallery, weather monitoring station, substation including diesel generator room, mechanical workshop and |



Member-Secretary, SEAC

Chairman, SEAC

emergency medical room at the land fall point.

ii) Ship unloader (SUL) for coal with a throughput capacity of 2000 TPH with a rail spacing of 12m suitable for 80,000 DWT coal vessels with an outreach of 25m.

iii) Fire water pump house to be located in the approach trestle for sea water intake for fire fighting.

iv) Tug boat berthing facility including small crafts along the approach trestle and also on moring dolphins.

v) Conveyors to carry coal from jetty to the onshore stacking yard with a minimum capacity of 1000 TPH.

Based on the proposal submitted and the presentation made, the SEAC decided to recommend the proposal to SEIAA-TN for issue of TOR (Annexure) for the preparation of EIA report along with **Public Hearing**. The detailed EIA shall include standard ToR along with the following additional ToR:

1) One of the major environmental issues concerning the project is that large quantity of sea bed material will be dredged and this should be managed scientifically. The EIA report should contain details to this effect. The characteristics of the dredged materials should be furnished along with the possible adverse impact of the dumping of the dredged material.
2) The proponent should ensure that the shipping vessels are maintained properly and also should ensure that there is no pollution.
3) The proponent should prepare a comprehensive line diagram in which all the facilities to be created should be marked. Then for each facility, the probable effluent generation and waste generation should be indicated with quantity and quality. Finally, the methodology for collection, treatment and reuse/disposal of the liquid and solid waste should be indicated. Specific attention should be paid to the marine discharges.



Member-Secretary, SEAC

Chairman, SEAC

| | |
|---|---|
| | 4) Within 10km radius all the parameters like air, sediment and biology should be studied in detail.<br>5) The impact of dredging should be evaluated in detail in the comprehensive EIA report.<br>6) The sampling should be done in grid pattern and every one kilometre the samples (air, water, sediment and biological samples) within the 10km of radius. Atleast 10 samples should be studied in detail.<br>7) Heavy metal studies in water and sea surface sediments can be studied<br>8) There should be proper treatment for waste water generated .There should be no pollution to the ground water as well as the sea water from the harbour operation.<br>9) The municipal solid waste should be properly collected, treated and disposed.<br>10) The project proponent shall sign a MOU with reputed institutions like Annamalai University for monitoring. |

| S.No | Name | Designation | Signature |
|---|---|---|---|
| 1 | Dr. K. Thanasekaran | Member | |
| 2 | Dr.K.Valivittan | Member | |
| 3 | Dr.Indumathi M. Nambi | Member | |
| 4 | Dr. G. S. Vijayalakshmi | Member | |
| 5 | Dr. M. Jayaprakash | Member | |



Member-Secretary, SEAC

Chairman, SEAC

| | | | |
|---|---|---|---|
| 7 | Shri V. Shanmugasundaram | Member | |
| 8 | Shri B. Sugirtharaj Koilpillai | Member | |
| 9 | Shri. P. Balamadeswaran | Co-opt Member | |
| 10 | Shri. M.S. Jayaram | Co-opt Member | |



Member-Secretary, SEAC

Chairman, SEAC

ANNEXURE

7(e): **STANDARD TERMS OF REFERENCE FOR CONDUCTING ENVIRONMENT IMPACT ASSESSMENT STUDY FOR PORTS, HARBOURS AND INFORMATION TO BE INCLUDED IN EIA/EMP REPORT**

1) Reasons for selecting the site with details of alternate sites examined/rejected/selected on merit with comparative statement and reason/basis for selection. The examination should justify site suitability in terms of environmental angle, resources sustainability associated with selected site as compared to rejected sites. The analysis should include parameters considered along with weightage criteria for short-listing selected site.
2) Details of the land use break-up for the proposed project. Details of land use around 10 km radius of the project site. Examine and submit detail of land use around 10 km radius of the project site and map of the project area and 10 km area from boundary of the proposed/existing project area, delineating project areas notified under the wild life (Protection) Act, 1972/critically polluted areas as identified by the CPCB from time to time/notified eco-sensitive areas/interstate boundaries and international boundaries. Analysis should be made based on latest satellite imagery for land use with raw images.
3) Submit the present land use and permission required for any conversion such as forest, agriculture etc. land acquisition status, rehabilitation of communities/ villages and present status of such activities.
4) Examine and submit the water bodies including the seasonal ones within the corridor of impacts along with their status, volumetric capacity, quality likely impacts on them due to the project.
5) Submit a copy of the contour plan with slopes, drainage pattern of the site and surrounding area
6) Submit the details of terrain, level with respect to MSL, filling required, source of filling materials and transportation details etc.



Member-Secretary, SEAC

Chairman, SEAC

7) Examine road/rail connectivity to the project site and impact on the existing traffic network due to the proposed project/activities. A detailed traffic and transportation study should be made for existing and projected passenger and cargo traffic.
8) Submit details regarding R&R involved in the project
9) Submit a copy of layout superimposed on the HTL/LTL map demarcated by an authorized agency on 1:4000 scale along with the recommendation of the SCZMA.
10) Submit the status of shore line change at the project site
11) Details of the layout plan including details of channel, breakwaters, dredging, disposal and reclamation.
12) Details of handling of each cargo, storage, transport along with spillage control, dust preventive measures. In case of coal, mineral cargo, details of storage and closed conveyance, dust suppression and prevention filters.
13) Submit the details of fishing activity and likely impacts on the fishing activity due to the project. Specific study on effects of construction activity and pile driving on marine life.
14) Details of oil spill contingency plan.
15) Details of bathymetry study.
16) Details of ship tranquillity study.
17) Examine the details of water requirement, impact on competitive user, treatment details, use of treated waste water. Prepare a water balance chart.
18) Details of rainwater harvesting and utilization of rain water.
19) Examine details of Solid waste generation treatment and its disposal.
20) Details of desalination plant and the study for outfall and intake.
21) Examine baseline environmental quality along with projected incremental load due to the proposed project/activities.
22) The air quality monitoring should be carried out according to the notification issued on 16th November, 2009.
23) Examine separately the details for construction and operation phases both for



Member-Secretary, SEAC

Chairman, SEAC

Environmental Management Plan and Environmental Monitoring Plan with cost and parameters.

24) Submit details of a comprehensive Risk Assessment and Disaster Management Plan including emergency evacuation during natural and man-made disasters

25) Submit details of the trees to be cut including their species and whether it also involves any protected or endangered species. Measures taken to reduce the number of the trees to be removed should be explained in detail. Submit the details of compensatory plantation. Explore the possibilities of relocating the existing trees.

26) Examine the details of afforestation measures indicating land and financial outlay. Landscape plan, green belts and open spaces may be described. A thick green belt should be planned all around the nearest settlement to mitigate noise and vibrations. The identification of species/ plants should be made based on the botanical studies.

27) The Public Hearing should be conducted for the project in accordance with provisions of Environmental Impact Assessment Notification, 2006 and the issues raised by the public should be addressed in the Environmental Management Plan. The Public Hearing should be conducted based on the ToR letter issued by the Ministry and not on the basis of Minutes of the Meeting available on the web-site.

28) A detailed draft EIA/EMP report should be prepared in accordance with the above additional TOR and should be submitted to the Ministry in accordance with the Notification.

29) Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.

30) The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.

31) Any further clarification on carrying out the above studies including anticipated impacts due to the project and mitigative measure, project proponent can refer to the model ToR available on Ministry website "http://moef.nic.in/Manual/Port and



**Member-Secretary, SEAC** **Chairman, SEAC**

harbour".

*****



Member-Secretary, SEAC

Chairman, SEAC