

**F.No.11-65/2013-IA.III**  
**Government of India**  
**Ministry of Environment & Forests**  
**(IA.III Section)**

**Room No.143,**  
**Paryavaran Bhawan,**  
**CGO Complex, Lodhi Road,**  
**New Delhi-110 003.**

Dated: 10<sup>th</sup> December, 2013

To  
The General Manager (Projects & Maintenance),  
M/s Cochin Shipyard Ltd.,  
Administrative Building, Perumanoor P.O.,  
Kochi, Kerala – 682 015

**Subject: Finalization of ToR for the augmentation of existing Ship Repair Facility at Cochin Port Trust by M/s Cochin Shipyard Ltd. - Reg.**

Dear Sir,

Kindly refer to your above proposal submitted to this Ministry. The project involves augmentation of Existing Ship Repair Facility at Cochin Port Trust (CoPT) workshop establishment located at Survey No. 2578/4, Thoppumpady Village, Wellington Island, Cochin, Kerala. It includes installation of ship lift, transfer system & six (6) work stations for ship repair/ building, outfitting jetties and allied facilities. The total land requirement is 16.9 ha with 850 meters of water frontage facing Mattanchery channel. The location of the project site is 9°56'55.61"N, 76°16'0.99"E to 9°56'21.62"N, 76°16'12.19"E. The trees to be felled for the proposed project is 103. The water requirement is 6 KLD. The existing depth is - 1.6 m CD at about 200 m from the shore line in Mattancherry Channel. The average depth requirement is around 5m below CD and 12m below CD at the pit area of ship lift system. The estimated quantity of dredging is 7.22 Lakh cum. The dredged material to be dumped in the designated disposal area in deep sea, located 24 km from the project site. This is presently being used as designated dredging disposal site by Cochin Port trust.

2. According to the Project Proponent, the existing facility was established about 35 years back, it is now operated with valid consent orders. As per the IOM studies, Cochin do not fall in eroding sites.

3. The above proposal was considered in the 128<sup>th</sup> EAC meeting held on 20<sup>th</sup> – 23<sup>rd</sup> November, 2013. The details as presented by the project proponents and after discussions, the following "Terms of Reference" were finalized to be suitably added to those furnished by the project proponent.

- (i) Submit the details of the consent validity and compliance of the conditions.
- (ii) Though Rapid EIA is enough for the project, two season's data shall be considered to stimulate monsoons and non-monsoon data for hydrodynamic study.

- (iii) Submit details of Risk Assessment, Disaster Management Plan including emergency evacuation during natural and man-made disaster like floods, cyclone, tsunami and earth quakes etc.
- (iv) 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 State Coastal Zone Management Authority (SCZMA).
- (v) Submit the details of the reclamation along with the source of materials and its quantity & quality.
- (vi) Submit details of Environmental Management Plan and Environmental Monitoring Plan with parameters and costs.
- (vii) Submit the details of the fishing activity and likely impact due to the activity.
- (viii) Details of land breakup along with land use plan and Details of green belt development.
- (ix) Details of solid/liquid wastes generation and their management.
- (x) Submit the details of the water requirement, source and impact on competitive users.
- (xi) Submit the details of the eco-sensitive areas, if any.
- (xii) Submit the details of Oil Spill Contingent Management Plan.
- (xiii) Submit the details of dredging sludge quantity quality in terms of its toxic metals (atleast Cr+6, Arsenic, Mercury, and lead) and its disposal with quantity (reclamation/dredging disposal site) If disposal is in sea, location, the justification for selecting such location, the dispersal of dumping material, its effect on marine environment, effect of fishes.
- (xiv) Submit the details of study on connectivity and its carrying capacity (both road and railway).
- (xv) Examine the impacts on marine environment & biological environment due to the development of proposed port.

### **General Guidelines**

- (i) The EIA document shall be printed on both sides, as far as possible.
- (ii) The status of accreditation of the EIA consultant with NABET/QCI shall be specifically mentioned. The consultant shall certify that his accreditation is for the sector for which this EIA is prepared.
- (iii) On the front page of EIA/EMP reports, the name of the consultant/consultancy firm along with their complete details including their accreditation, if any shall be indicated. The consultant while submitting the EIA/EMP report shall give an undertaking to the effect that the model TORs have been complied with and the data

submitted is factually correct (Refer MoEF Office Memorandum No. J-11013/41/2006-IA.II(I) dated 4<sup>th</sup> August, 2009).

- (iv) While submitting the EIA/EMP reports, the name of the experts associated with/involved in the preparation of these reports and the laboratories through which the samples have been analysed should be stated in the report. It shall clearly be indicated whether these laboratories are approved under the Environment (Protection) Act, 1986 and the rules made there under (Please refer MoEF Office Memorandum No. J-11013/41/2006-IA.II(I) dated 4<sup>th</sup> August, 2009). The project leader of the EIA study shall also be mentioned.
- (v) Environmental Management Plan presented before the EAC as a part of EIA report, shall be made part of Concessionaire Agreement/ other relevant documents. Proponent shall submit an undertaking in this regard.
- (vi) Since most of the environmental issues are related to design parameters, following additional information should also be provided by PP apart from the information required as per Chapter – 12 of the EIA Guideline manual for Highways (Disclosure of Consultant)
  - a) Name of the Design Consultant.
  - b) Name of the EIA consultant, EIA Coordinator, Functional Area Expert and details of accreditation.
- (vii) The EIA report shall be prepared as per the EIA Notification, 2006, as amended from time to time.

4. A detailed draft EIA/EMP report should be prepared in terms of the above additional TOR and should be submitted to the Pollution Control Board for conduct of Public Hearing. Public Hearing to be conducted for the project as per provisions of Environmental Impact Assessment Notification, 2006 and the issues raised by the public should be addressed in the Environmental Management Plan.

5. A detailed final EIA/EMP report after addressing issues raised during Public Hearing and be submitted to the Ministry as per the Notification.

6. The prescribed ToRs would be valid for a period of two years for submission of the EIA/EMP Reports, after public consultation.

**Yours faithfully,**



**(Lalit Kapur)**

**Director (IA-III)**

**Tel: 011-2436 8526**

Copy to:

The Member Secretary, Kerala State Pollution Control Board, Plamoodu Junction, Pattom Palace, P.O. Thiruvananthapuram - 695 004.

