

ACTIVITY 7(b)- SHIPBREAKING YARDS INCLUDING SHIP BREAKING UNITS

STANDARD TERMS OF REFERENCE FOR CONDUCTING ENVIRONMENT IMPACT ASSESSMENT STUDY FOR ALL SHIP BREAKING YARDS INCLUDING SHIP BREAKING UNITS AND INFORMATION TO BE INCLUDED IN EIA/EMP REPORT

I. Project Details

- i. Reasons for selecting the site with details of alternate sites examined/rejected/selected on merit with comparative statement and reason/basis for selection.
- ii. The examination should justify site suitability in terms of environmental angle, resources sustainability associated with selected site as compared to rejected sites.
- iii. The analysis should include parameters considered along with weightage criteria for short-listing selected site.
- iv. A detailed draft EIA/EMP report should be prepared in accordance with the above
- v. The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.

II. Land Use, Land Acquisition, R&R

- vi. Details of the land use break-up for the proposed project. Details of land use around 10 km radius of the project site.
- vii. Details of reclamation along with the source of materials and its quantity & quality.

III. ESZ, CSZ, International Boundary and Acts

- viii. 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.

IV. Remote Sensing & GIS

- ix. Analysis should be made based on latest satellite imagery for land use with raw images.

V. Forest and Wildlife

- x. 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.

VI. Waste Management, Drainage and STPs

- xi. Details of the processes for each activity, generation of wastes, types quantity and methodology for collection, storage, treatment and disposal of wastes.
- xii. Details of Tri butyl Tin (TBT) based paints to be used, details of collection and treatment of the shipwash containing TBT and solid waste.
- xiii. MoU with authorized agency for disposal of hazardous wastes if any.

xiv. Details of the dredging, quantity and disposal

VII. Water Environment/Quality Analysis/ Hydrology

xv. Details of the water source, waste generation, treatment system and disposal along with waterbalance.

VIII. Air Environment

xvi. Details of the emission control. details of Monitoring of VOC

IX. Base line Data

xvii. Detailed base line marine water quality vis-a-vis likely impact due to ship breaking and mitigationproposed.

X. Employment and Safety Equipment Details

xviii. Details of personal prospective equipments (gas masks, dust masks, hand gloves, safety shoes,safety goggles, etc) for workers engaged for cutting, dismantling, isolation and segregation process.

XI. Environment Management/ Monitoring, Mitigative Measures and RiskAssessment details

xix. Details of Environmental Management Plan and Environmental Monitoring Plan with parametersand costs.

xx. Details of Oil Spill Contingent Management Plan. Details of oil, hazardous materials, asbestos etchandling onshore or offshore.

xxi. Details of shore line changes along with the shore protection if any required.

xxii. Details of Risk Assessment, Disaster Management Plan including emergency evacuation duringnatural and man-made disaster like floods, cyclone, tsunami and earth quakes etc.

XII. Terrain and Topography

xxiii. Copy of layout superimposed on the HTL/LTL map demarcated by an authorized agency on 1:4000scale along with the recommendation of the SCZMA.

XIII. Noise Environment

xxiv. Noise levels, particularly for night operations

XIV. Public Hearing details

xxv. The Public Hearing should be conducted for the project in accordance with provisions of EnvironmentalImpact Assessment Notification, 2006 and the issues raised by the public should be addressed in theEnvironmental Management Plan.

xxvi. 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.

XV. Court/Litigations Aspects

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

XVI. Road/ Transport Connectivity

xxviii. Details of independent road connectivity to the main NH/SH.