F.No.10-32/2016-IA.III  
Government of India  
Ministry of Environment, Forest & Climate Change  
(IA.III Section)  

Indira ParyavaranBhawan,  
Aliganj, JorBagh Road,  
New Delhi - 3  

Dated: 20th May, 2016  

To  
The  
M/s Director of Ports Kakinada  
P.B.No.11, Port Administrative Building,  
Beach Road Kakinada – 533007  

E-mail: dir_ports_kkd@ap.gov.in; dir_ports_kkd@yahoo.com ; fax.: 0884-2367055;  

Sub: Development of Multipurpose Port at Villages Bhavanapadu, Marripadu,  
Devunalthada, Pollada, Komaralthada, Suryamanipuram, Mandal Santha Bommali  
Vajrapukothuru, District Srikakulam, Andhra Pradesh by M/s Director of Ports  
Kakinada- Terms of Reference (ToR) - reg.  


Sir,  

Kindly refer your online proposal no. IA/AP/MIS/50568/2016 dated 13.4.2016 alongwith  
project documents including Form-I, Pre-feasibility Report and draft ‘Terms of Reference’ as per  
the EIA Notification, 2006. It is noted that proposal is for development of Multipurpose Port at  
Villages Bhavanapadu, Marripadu, Devunalthada, Pollada, Komaralthada, Suryamanipuram, Mandal Santha Bommali  
Vajrapukothuru, District Srikakulam, Andhra Pradesh by M/s Director of Ports  
Kakinada. Total capacity of proposed port is 30.57 MT. Total No of Berths proposed for  
construction is 14, which will be constructed in two phases (i.e. Phase - I : 5 Berths ; Phase - II  
: 9 Berths). It is proposed to acquire 4922.85 acres of land for the proposed project. It is  
reported that no forest land is involved. Total cost of project is Rs. 4375 Crores, of which cost of  
project is Rs. 3725 Crores and cost of land acquisition id Rs. 650 Crore. It is reported that  
Naupada Salt Pans (6 Km), Nuvularevu salt pans ( 15 Km) and Telineelapuram ( Bird nesting  
site 7 Km) are located within 10 km distance. Initially, 14 MTPA cargo will be handled by 2020  
and 30.5 MTPA cargo will be handled later. Cargo such as LPG, LNG, Thermal Coal, Coking  
Coal, Containers, Agriculture products, break bulk, fertilizers, soya oil will be handled. Quantity  
of Dredging anticipated: 2 x 10^6 cum of sand in Phase-I and 2.25 x 10^6 cum for Phase-II. In  
Phase-I: About 54 Ha is planned to be reclaimed/ filled to a level of average 3.50m in the  
backup area for storage of cargo, with construction of rubble bund with geo textiles along - 4m  
contour for a length of 950m. In Phase-II: About 18 Ha is planned to be reclaimed/ filled up to a  
level of average 3.50m in the backup area for storage of cargo, with construction of rubble bund  
with geo textiles along -4m contour for a length of 680m. Breakwater of height 17 m for a  
distance of 1600 m east and 400 m north, Berths (275 m x 25m x 25m) and deck with an  
elevation ( + 4.5 CD). The structure of berth will be designed for the largest vessel i.e. 150,000  
dwt.
2. Draft Terms of Reference (TOR) have been discussed and finalized by the 5th Expert Appraisal Committee (Infrastructure -2) held during 29th April, 2016 for preparation of EIA/EMP report. The Committee prescribed the following TOR in addition to Standard TOR provided at Annexure-1 for preparation of EIA-EMP report:

i. Importance and benefits of the project.

ii. Submit a copy of layout superimposed on the HTL/LTL map demarcated by an authorized agency on 1:4000 scale.

iii. Recommendation of the SCZMA.

iv. Various Ports facilities with capacities for the existing as well as proposed project.

v. List of cargo to be handled along with mode of transportation.

vi. Layout plan of proposed Port.

vii. Study the impact of dredging and dumps on the shore line.

viii. Study the impact of dredging and dumping on marine ecology and draw up a management plan through the NIO or any other institute specializing in marine ecology.

ix. Study on shoreline changing.

x. Mangroves details to be mapped.

xi. Study the impact on surface drainage.

xii. Details of air pollution control measures to be taken as well as cost to be incurred.

xiii. Total water consumption and its source. Wastewater management plan.

xiv. Details of Environmental Monitoring Plan.

xv. Draw up a marine ecology impact assessment report and a marine ecology management plan through the NIOS or any other Institute specializing in marine ecology, covering all the micro, macro and mega biotic components of the ecosystem in the area of influence.

xvi. Risk assessment including Hazard identification, Consequence Analysis, Risk Assessment and preparation of Disaster Management Plan as per Regulations.

xvii. Layout plan of proposed Greenbelt.

xviii. Status of court case pending against the project.

xix. A tabular chart with index for point wise compliance of above TORs.

xx. Public hearing to be conducted and issues raised and commitments made by the project proponent on the same should be included in EIA/EMP Report in the form of tabular chart with financial budget for complying with the commitments made.

3. These ‘TORs’ should be considered for the preparation of EIA / EMP report for development of Multipurpose Port at Villages Bhavanapadu, Marripadu, Devunalthada, Pollada, Komaralthada, Suryamanipuram, Mandal Santha Bommali Vajrapukothuru, District Srikakulam, Andhra Pradesh by M/s Director of Ports Kakinada in addition to all the relevant information as
per the 'General Structure of EIA' given in Appendix III and IIIA in the EIA Notification, 2006. The EIA/EMP as per TORs should be submitted to the Chairman, Andhra Pradesh Pollution Control Board, (APPCB) for public consultation. The SPCB shall conduct the public hearing/public consultation as per the provisions of EIA notification, 2006.

4. You are requested to kindly submit the final EIA/EMP prepared as per TORs and incorporating all the issues raised during Public Hearing / Public Consultation to the Ministry for considering the proposal for environmental clearance within 3 years as per the MoEF O.M. No. J-11013/41/2006-IA.II (I) dated 8th October, 2014.

5. The consultants involved in the preparation of EIA/EMP report after accreditation with Quality Council of India / National Accreditation Board of Education and Training (QCI/NABET) would need to include a certificate in this regard in the EIA/EMP reports prepared by them and data provided by other Organization(s)/Laboratories including their status of approvals etc.

(A.N. Singh)
Scientist 'D'

Copy to:

1) The Chairman, AP Pollution Control Board, ParyavaranBhawan, A-III, Industrial Estate, Sanath Nagar, Hyderabad - A.P.
2) Additional Principal Chief Conservator of Forests (C), Ministry of Environment, Forest and Climate Change, Regional Office (SEZ), 1st and 2nd Floor, Handloom Export Promotion Council, 34, Cathedral Garden Road, Nungambakkam, Chennai – 34
STANDARD TERMS OF REFERENCE FOR CONDUCTING ENVIRONMENT IMPACT ASSESSMENT STUDY FOR PORT, HARBOURS INFORMATION TO BE INCLUDED IN EIA/EMP REPORT

i. 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.

ii. 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.

iii. 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.

iv. 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.

v. Submit a copy of the contour plan with slopes, drainage pattern of the site and surrounding area

vi. Submit the details of terrain, level with respect to MSL, filling required, source of filling materials and transportation details etc.

vii. 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.

viii. Submit details regarding R&R involved in the project

ix. 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.

x. Submit the status of shore line change at the project site

xi. Details of the layout plan including details of channel, breakwaters, dredging, disposal and reclamation.

xii. Details of handling of each cargo, storage, transport along with spillage control, dust preventive measures.
xiii. Submit the details of fishing activity and likely impacts on the fishing activity due to the project.

xiv. Details of oil spill contingency plan.

xv. Details of bathymetry study.

xvi. Details of ship tranquillity study.

xvii. Examine the details of water requirement, impact on competitive user, treatment details, use of treated waste water. Prepare a water balance chart.

xviii. Details of rainwater harvesting and utilization of rain water.

xix. Examine details of Solid waste generation treatment and its disposal.

xx. Details of desalination plant and the study for outfall and intake.

xxi. Examine baseline environmental quality along with projected incremental load due to the proposed project/activities.

xxii. The air quality monitoring should be carried out according to the notification issued on 16th November, 2009.

xxiii. Examine separately the details for construction and operation phases both for Environmental Management Plan and Environmental Monitoring Plan with cost and parameters.

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

xxv. 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.

xxvi. 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.

xxvii. 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.

xxviii. 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 harbour”.

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