

F.No.10-10/2008-IA.III
Government of India
Ministry of Environment, Forest & Climate Change
(IA.III Section)

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

Dated: 4th May, 2016

To

**Shri Salin Shah, Head Environment,
M/s Adani Kandla Bulk Terminal Privat Limited.
Adani House
Nr Mithakhali Circle, Navrangpura
Ahmedabad Gujarat – 380 009**

E-mail: info@adani.com ; Fax.: +91 79 2555 6490;

Sub: Additional Capital and Maintenance dredging for facilitate berthing of cape size vessels at existing offshore jetty off Tekra, near Tuna, Gujarat by M/s Adani Kandla Bulk Terminal Privat Limited - Terms of Reference (ToR) reg.

Ref.: Your online proposal no. IA/GJ/MIS/52235/2016 dated 28.3.2016.

Sir,

Kindly refer your online proposal no. IA/GJ/MIS/52235/2016 dated 28.3.2016 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 additional Capital and Maintenance dredging for facilitate berthing of cape size vessels at existing offshore jetty off Tekra, near Tuna, Gujarat by M/s Adani Kandla Bulk Terminal Privat Limited. Tuna port will have to handle Cape-size bulk vessels of 2,10,000 DWT and above drawing drafts of 18.0 m.

2. To handle such cap size vessels, dredge depth of -15m CD; -17 m CD and -19 m CD is proposed for approach channel; turning circle and berth pockets (for berth 1 and 3) respectively. Width of approach channel will be increased from 200 m to 300 m. To achieve this draft, additional capital dredging in the approach channel; turning circle and berth pockets is required to the tune of 7.68 million m³. Additional maintenance dredging will be required to the tune of 0.2 million m³ per year. The proposed dumping ground for the additional capital dredging as well as maintenance dredging will be Latitude 22° 47' 12.74" N and Longitude 70° 02' 56.91" E

3. Draft Terms of Reference (TOR) have been discussed and finalized by the 4th Expert Appraisal Committee (Infrastructure -2) held during 28th – 29th March, 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 :

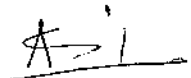
- i. Importance and benefits of the project.
- ii. A separate chapter on status of compliance of Environmental Conditions granted by State/Centre to be provided. As per circular dated 30th May, 2012 issued by MoEF, a certified report by RO, MoEF on status of compliance of conditions on existing unit to be provided in EIA-EMP report.

- iii. Submit a copy of layout superimposed on the HTL/LTL map demarcated by an authorized agency on 1:4000 scale.
- iv. Recommendation of the SCZMA.
- v. Various Ports facilities with capacities for the existing as well as proposed project.
- vi. Layout plan of the existing Port.
- vii. Study the impact of dredging on the shore line.
- viii. The EIA should also include a marine ecology impact assessment report and management plan from the National Institute of Oceanography or any other institution specializing in marine Ecology. The said report shall deal with all the micro, macro and mega biotic components and ecology within the area of influence.
- ix. Study of water, sediment, aquatic biological environment quality etc in and around the dredging facility.
- x. Detailed study to be carried out to identify impacts on different category of aquatic as well as benthic flora & fauna during the proposed project construction and operation phase.
- xi. Details of Environmental Monitoring Plan.
- xii. Disaster Management Plan for the proposed project.
- xiii. Status of court case pending against the project.
- xiv. A tabular chart with index for point wise compliance of above TORs.
- xv. 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.

4. These 'TORs' should be considered for the preparation of EIA / EMP report for additional Capital and Maintenance dredging for facilitate berthing of cape size vessels at existing offshore jetty off Tekra, near Tuna, Gujarat by M/s Adani Kandla Bulk Terminal Privat Limited 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, **Gujarat** Pollution Control Board, (GPCB) for public consultation. The SPCB shall conduct the public hearing/public consultation as per the provisions of EIA notification, 2006.

5. 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.*

6. 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) Additional Principal Chief Conservator of Forests (C), Ministry of Environment & Forests, Regional Office, E-5, Arera Colony, Link Road -3, Bhopal -462 016, M.P.
- 2) The Chairman, Gujarat State Pollution Control Board, Paryavaran Bhawan, Sector 10 A, Gandhi Nagar-382 043, Gujarat.

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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Indira Paryavaran Bhawan,
Jor Bagh Road, New Delhi - 3

Date: 19th December, 2019

To,

M/s Adani Kandla Bulk Terminal Private Limited

Adani House, Near Mithakhali Circle,
Navrangpura, Ahmedabad - 380009, Gujarat
E- Mail: shalinm.shah@adani.com

Sub: Additional Capital and Maintenance dredging for facilitate berthing of cape size vessels at existing offshore jetty off Tekra, near Tuna, Gujarat by M/s Adani Kandla Bulk Terminal Private Limited - Extension of validity of Terms of Reference reg.

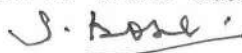
Sir,

This has reference to your proposal No. IA/GJ/MIS/122551/2019 dated 21st October, 2019, submitted the above proposal to this Ministry for seeking Extension of validity of Terms of Reference (ToR) in terms of the provisions of the Environment Impact Assessment (EIA) Notification, 2006 under the Environment (Protection) Act, 1986.

2. The proposal for grant of Extension of validity of Terms of Reference (ToR) to the project 'Additional Capital and Maintenance dredging to facilitate berthing of cape size vessels at existing offshore jetty off Tekra, near Tuna, Gujarat by M/s Adani Kandla Bulk Terminal Private Limited was considered by the Expert Appraisal Committee (Infra-2) in its 46th meeting held during 25-26 November, 2019.

3. The details of the project, as per the documents submitted by the project proponent, and also as informed during the above said meeting, are under:-

- (i) 'Terms of Reference' (ToR) was issued by MoEF&CC vide letter dated 4th May, 2016. Subsequently, Adani Kandla Bulk Terminal Private Limited (AKBTPL) has made a submission to MoEF&CC vide letter dated 25th May, 2016, that since all the components of the existing approved project remain unchanged the applicability of all standard terms of reference as mentioned in the ToR letter would not be applicable. However, AKBTP has addressed 11 conditions out of 28 mentioned in the standard ToR, during preparation of EIA.
- (ii) Baseline studies in line to the ToR was carried out for Terrestrial environment (March - June 2016) & Marine environment (November 2016) and draft EIA-EMP report was prepared inline to the ToR and Public Consultation was completed on 9th January, 2018.
- (iii) Final EIA-EMP report along with CRZ application (inline to CRZ Notification, 2011) for seeking CRZ Clearance was submitted to the Gujarat Coastal Zone Management Authority (GCZMA) on 9th February, 2018 and the project was heard by technical committee of GCZMA on 12th April, 2018 and it was communicated that same will be kept as part of agenda of GCZMA committee for necessary assessment and recommendation.
- (iv) In lieu of NGT order No. 424 of 2016 dated 22nd Nov, 2017, directing MoEF&CC not to grant any clearance until completion of CZMP, inline to CRZ notification 2011, GCZMA did not consider any proposal for further discussion w.r.t. required CRZ



recommendation and therefore the matter was pending, since April, 2018. As informed by the State Govt, CZMP of Kutch region is not yet finalized and same is expected to be formulated by December, 2019.

- (v) All the process required to be completed on part of project proponent were already completed within validity period of ToR and if there is no delay on account of pendency of CZMP, project would have been submitted to MoEF&CC for consideration of final Environmental & CRZ Clearance, within the valid period of ToR.
- (vi) In the purview of MoEF&CC's OM dated 29th August, 2017 and its provision, project proponent has requested MoEF&CC to grant Extension of validity of ToR for one more year i.e. till 3rd May, 2020.

4. The project/activity is covered under category 'A' of item 7 (e) i.e. Ports, harbours, break waters, dredging' of the schedule to the EIA Notification, 2006 and its subsequent amendments, and requires appraisal at Central level.

5. The project proponent informed the EAC that Terms of Reference for the project was granted by MoEF&CC vide letter F.No. 10-10/2008-IA.III dated 4th May, 2016. Public Consultation was conducted on 9th January, 2018. CRZ application was submitted to SCZMA for obtaining CRZ recommendation on 9th Feb 2018. Project was considered in Technical committee of GCZMA on 12th April, 2018. The NGT vide its order No 424 of 2016 dated 22nd November, 2017, directed MoEF&CC not to grant any clearance until completion of CZMP, inline to CRZ Notification, 2011. In compliance to the NGT order, GCZMA did not consider any proposal for further discussion w.r.t required CRZ recommendation and the matter is pending, since April, 2018. As informed from State Government, CZMP of Kutch region is not yet finalized. Same is expected to be completed by December 2019.

6. The EAC deliberated upon the information provided by the project proponent. The Committee being satisfied with the submission made by the project proponent, recommended for extension of validity of the Terms of Reference issued vide F.No. 10-10/2008-IA.III dated 4th May, 2016 for a further period of one year i.e. up to 3rd May, 2020. Based on the recommendations of EAC, the Ministry hereby accord extension of validity of the Terms of Reference letter F.No. 10-10/2008-IA-III dated 4th May, 2016 for a further period of one year i.e. up to 3rd May, 2020 along with following condition:

- (i) Plan for Corporate Environment Responsibility (CER) as specified under Ministry's Office Memorandum vide F.No. 22-65/2017-IA.III dated 1st May, 2018 shall be prepared and submitted along with EIA Report.

7. All the other conditions contained in the MoEF&CC ToR letter F.No. 10-10/2008-IA-III dated 4th May, 2016 shall remain the same.


(Dr. Subrata Bose)
Scientist F

Copy to:

The Member Secretary, Gujarat Pollution Control Board, Paryavaran Bhavan, Sector-10A, Gandhinagar - 382010, Gujarat.

