



# ODISHA COASTAL ZONE MANAGEMENT AUTHORITY

Forest & Environment Department, Government of Odisha

Letter. No. 296 /OCZMA

Dt. 16 / 11 / 2019

From

Dr. K. Murugesan, IFS  
Director-Environment-cum Spl. Secretary to Govt  
Forest & Environment Department  
And Member Secretary, OCZMA

To

Sri Jugal Kishore Tripathy,  
Chief Engineer, FC and Basin Manager  
Lower Mahanadi Basin, Drainage Division  
Water resource dept., Govt. of Odisha

Sub: CRZ Clearance for the proposed Coastal Protection Measures to address Erosion and Saline Intrusion near Ramayapatna by Water Resource Dept. Govt. of Odisha under ICZM Project.

This has a reference to the letter No. WF-Misc-ICZMP(II)-20-27857/WR Dated 18.10.2019 of the Chief Engineer- FC and Basin Manager Water resources Department, Lower Mahanadi Basin, Odisha on the above subject and letter no. 184 (6)/OCZMA dated 07.11.2014.

1. It is interalia, noted that, the objective of the proposed project is to protect the village Ramayapatna and its infrastructure sustainably constructing a RCC Sea wall on village side of the sea followed by launching apron on sea side of the wall along with beach nourishment.
2. Ramayapatnam is located on the north of Bahuda River in Ganjam district of Odisha. The River Bahuda has a dynamic shore-parallel spit formation that changes seasonally as well as annually. The Ramayapatnam stretch is classified as high erosion in the Shoreline Management Plan.
3. The proposed protection measure consists of one 1.3 km length Retaining wall and a 190m long Groyne. The sea wall will be located 25m away from the boarder of the village Ramayapatna. The height of the retaining wall will be 2.8m with a base width of 2.8m and a wall width is 0.6m. The base of the seawall should be located at -1m with respect to MSL and the top located at +2.5m level to prevent the shoreline from further extending into village. The backfill will be inclined at an angle of 110 and carrying a surcharge of 5 kN/m. Concrete grade of M40 and Fe 500 steel is considered for design. The total height of the retaining wall is proposed to be 3.5m with a base width of 3m. There will be a provision of nourishment of the beach profiles with sand for a length of 125m from Sea wall for a height of 2.5m MSL. The cost of the project is 22.02 Cr.
4. GPS Location of the Retaining Wall is 19°8'24.96"N, 84°47'57.42"E, to 19°7'46.64"N, 84°47'39.23"E & the GPS Location of the Groyne is 19°7'46.51"N, 84°47'38.75"E to 19°7'48.09"N, 84°47'45.38"E.



Superimposing the project location in the CZMP approved CRZ Map in 1:25,000 scales Sheet No-E-45A-16/NW, Map No. 04, indicated that the project is located in CRZ-I (B) area.

5. This is a permissible activity under CRZ Notification, 2011 as per:

**Para 3(i) (a)** “those directly related to waterfront or directly needing foreshore facilities”

The expression “foreshore facilities” means those activities permissible under this notification and they require waterfront for their operations such as ports and harbours, jetties, quays, wharves, erosion control measures, breakwaters, pipelines, lighthouses, navigational safety facilities, coastal police stations and the like.”

**Para 4(i) (a)** “clearance shall be given for any activity within the CRZ only if it requires water front and foreshore facilities”

**Para 4(i) (f)** “construction and operation for ports and harbor, jetties, wharves, quays, slipways, ship construction yard, breakwaters, groynes, erosion control measures”

6. *OCZMA discussed the proposal and decided to grant CRZ clearance to the aforesaid project under CRZ Notification, 2011 subject to the following conditions:*

**A. SPECIFIC CONDITIONS:-**

1. No change in scope of the work shall be made without prior approval of Odisha Coastal Zone Management Authority (OCZMA).
2. No destruction of mangrove/plants should take place during the construction phase.
3. It shall be ensured that the local environment is not adversely affected in any manner during the construction phase and subsequently.
4. It should be ensured that tidal areas are restored to their original contours after the construction is completed. General clean-up along the corridor, adjacent areas and intertidal regions should be taken up and extraneous materials such as drums, sacks, metal scrap, ropes, excess sediment, make shift huts and cabins should be cleared from the site.
5. Plantations of suitable species which should preferably be resistant to high wind speed, shall be raised in the landward side of the proposed development.
6. All other conditions as stipulated by concerned agencies shall be complied with.
7. Necessary precaution and design criteria should be used for construction keeping in view the possible impact of cyclone/tsunami on the structures.
8. Minimal intervention in the coast is always better and therefore some studies could be undertaken to ascertain the impact of the project at a later stage.

**B. GENERAL CONDITION:-**

1. Adequate provision for infrastructure facilities including water supply, fuel and sanitation must be ensured for construction workers during the construction phase of the project to avoid any damage to the environment.



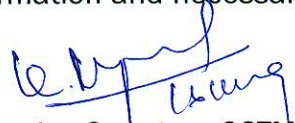
2. Appropriate measures must be taken while undertaking digging activities to avoid any likely degradation of water quality.
3. The construction material should be obtained only from approved quarries.
4. Adequate precautions should be taken during transportation of the construction material so that it does not affect the environment adversely.
5. Full support should be extended to the officers of Forest & Environment Department / OCZMA by the project proponent during inspection of the project for monitoring purposes by furnishing full details and action plan including action taken reports in respect of mitigation measures and other environmental protection activities.
6. A copy of clearance letter shall be marked to concerned Panchayat /local NGO, if any, from whom suggestion/representation has been received while processing the proposal.
7. The OCZMA or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
8. A six monthly monitoring report shall be submitted by the project proponent to the OCZMA regarding the implementation of the stipulated conditions.
9. The project proponent should advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned informing that the project has been accorded CRZ clearance, besides displaying on the notice board of the local Gram Panchayat.
10. Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.
11. The above conditions shall be enforced inter alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 & Wildlife (Protection) Act 1972 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/High Court of Odisha and any other Court of Law relating to the subject matter.
12. Any other statutory clearances as applicable shall be obtained by the project proponents from the respective competent authorities.

  
Member Secretary, OCZMA

Memo No. 297/OCZMA

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Copy forwarded to the Principal Secretary to Govt., Forest & Environment Department, Govt. of Odisha/ Chairman or Member Secretary, SPCB, Odisha / PCCF Odisha / PCCF (WL) and Chief Wildlife Warden, Odisha / Chief Conservator of Forests, Regional Office (EZ), MoEF, A-3 Chandrasekharpur, BBSR-751023/ District Collector, Ganjam for information and necessary action.

  
Member Secretary, OCZMA