

Agenda notes for the 24th meeting of the Odisha Coastal Zone Management Authority (OCZMA) scheduled on 12.11.2014 at 4.00 PM

A. Confirmation of the minutes of the 23rd meeting of OCZMA.

No response in respect of the minutes of the 23rd meeting of OCZMA has been received; hence the minutes may be treated as confirmed.

B. Compliance of the 23rd meeting of Odisha Coastal Zone Management Authority (OCZMA) held on 02.07.2014.

Sl. No.	Project / Project Proponent	Decision taken	Compliance
B 1	Establishment of captive minor port and intake & discharge pipeline at the confluence of Jatadharmohan creek near Paradeep for POSCO India project	It was decided to recommend the proposal to the MoEF, Govt. of India	Proposal was sent to MoEF, Govt. of India, Govt. of India vide Letter No.142/OCZMA Dt.06.08.2014
B2.	Development of Community (fisher folk) Amenities at Chilika, Kalijai, District -Puri by OTDC Ltd. under ICZM Projects	It was decided to grant CRZ clearance to the proposed project.	The CRZ clearance order was issued to the project proponent vide Letter No.- 140/OCZMA Dt. 06.08.2014
B3.	Reconstruction Housing Project at 16 locations in Ganjam district under Odisha Disaster Recovery Project (ODRP) by Odisha State Disaster Management Authority (OSDMA)	The Authority discussed the matter in details and location of the site (as regard to the CRZ zonation) was verified site to site basis and grant of CRZ clearance was decided accordingly.	Authority decided to grant CRZ clearance to 9 project proposal located in CRZ-III (B) area and suggested to the project proponent to submit a comprehensive plan & necessary disaster management provision for 5 proposals located in CRZ-III (A) area i.e NDZ for recommendation to MoEF Govt. of India and for the rest 2 project proposals located at the CRZ-I area, the authority refused the CRZ Clearance and suggested the project proponent to shift the project locations which are permissible under CRZ Notification, 2011.
1	Reconstruction housing project at Patisunapur, Block-Chikiti, District Ganjam under Odisha Disaster Recovery Project (ODRP) by Odisha State Disaster Management Authority	The authority refused to consider CRZ Clearance to the dwelling units in CRZ-I area and suggested to the project proponent to shift the project site to CRZ_III (A)/ CRZ-III(B) i.e within the permissible activity	The decision of the committee was communicated to the project proponent vide Letter No.136

	(OSDMA)	of CRZ Notification, 2011.	Dt. 06.08.2014
2	Reconstruction housing project at Binchanapalli, Block-Ganjam, District Ganjam under Odisha Disaster Recovery Project (ODRP) by Odisha State Disaster Management Authority (OSDMA)	It was decided to grant CRZ clearance to the proposed project (CRZ-III (B) area)	The CRZ clearance order was issued to the project proponent vide Letter No.- 121/OCZMA Dt. 06.08.2014
3	Reconstruction housing project at Bhamarakudi, Block-Ganjam, District Ganjam under Odisha Disaster Recovery Project (ODRP) by Odisha State Disaster Management Authority (OSDMA)	It was decided to grant CRZ clearance to the proposed project (CRZ-III (B) area).	The CRZ clearance order was issued to the project proponent vide Letter No.- 127/OCZMA Dt. 06.08.2014
4	Reconstruction housing project at Haridamula, Block-Khallikote, District Ganjam under Odisha Disaster Recovery Project (ODRP) by Odisha State Disaster Management Authority (OSDMA)	It was decided to grant CRZ clearance to the proposed project.(CRZ-III (B) area)	The CRZ clearance order was issued to the project proponent vide Letter No.- 125/OCZMA Dt. 06.08.2014
5	Reconstruction housing project at Agastinuagaon, Block-chhatrapur, District Ganjam under Odisha Disaster Recovery Project (ODRP) by Odisha State Disaster Management Authority (OSDMA)	It was decided to recommend the proposal (CRZ-III (A)) area to the MoEF, Govt. of India, if the project proponent resubmits the comprehensive plan and necessary disaster management provision, sanitation within 2 weeks time.	The decision of the committee was communicated to the project proponent vide Letter No.131 Dt. 06.08.2014
6	Reconstruction housing project at Chandanbada, Block-Chikiti, District Ganjam under Odisha Disaster Recovery Project (ODRP) by Odisha State Disaster Management Authority (OSDMA)	It was decided to grant CRZ clearance to the proposed project.(CRZ-III (B) area)	The CRZ clearance order was issued to the project proponent vide Letter No.- 123/OCZMA Dt. 06.08.2014
7	Reconstruction housing project at Ekasingi, Block-Chikiti, District Ganjam under Odisha Disaster Recovery Project (ODRP) by Odisha State Disaster Management Authority (OSDMA)	It was decided to grant CRZ clearance to the proposed project.(CRZ-III (B) area)	The CRZ clearance order was issued to the project proponent vide Letter No.- 119/OCZMA Dt. 06.08.2014
8	Reconstruction housing project at Venkatraipur, Block-Rangilunda, District Ganjam under Odisha Disaster Recovery Project (ODRP) by Odisha State Disaster Management Authority (OSDMA)	It was decided to grant CRZ clearance to the proposed project.(CRZ-III (B) area)	The CRZ clearance order was issued to the project proponent vide Letter No.- 117/OCZMA Dt. 06.08.2014
9	Reconstruction housing project at Markandi, Block-Rangilunda, District Ganjam under Odisha Disaster Recovery Project	The authority refused to consider CRZ Clearance to the dwelling units in CRZ-I area and suggested to the project	The decision of the committee was communicated to the project

	(ODRP) by Odisha State Disaster Management Authority (OSDMA)	proponent to shift the project site to CRZ-III (A) or CRZ-III(B) i.e within the permissible activity of CRZ Notification, 2011.	proponent vide Letter No.137 Dt. 06.08.2014
10	Reconstruction housing project at Arjipalli, Block-chhatrapur, District Ganjam under Odisha Disaster Recovery Project (ODRP) by Odisha State Disaster Management Authority (OSDMA)	It was decided to grant CRZ clearance to the proposed project.(CRZ-III (B) area)	The CRZ clearance order was issued to the project proponent vide Letter No.- 115/OCZMA Dt. 06.08.2014
11	Reconstruction housing project at Phasidi, Block-Khallikote, District Ganjam under Odisha Disaster Recovery Project (ODRP) by Odisha State Disaster Management Authority (OSDMA)	It was decided to recommend the proposal (CRZ-III (A) area to the MoEF, Govt. of India, if the project proponent resubmits the comprehensive plan and necessary disaster management provision, sanitation within 2 weeks time.	The decision of the Authority was communicated to the project proponent vide Letter No.134 Dt. 06.08.2014
12	reconstruction housing project at Keshapur, Block-Khallikote, District Ganjam under Odisha Disaster Recovery Project (ODRP) by Odisha State Disaster Management Authority (OSDMA)	It was decided to grant CRZ clearance to the proposed project.(CRZ-III (B) area)	The CRZ clearance order was issued to the project proponent vide Letter No.- 129/OCZMA Dt. 06.08.2014
13	reconstruction housing project at Samalnasi, Block-Khallikote, District Ganjam under Odisha Disaster Recovery Project (ODRP) by Odisha State Disaster Management Authority (OSDMA)	It was decided to recommend the proposal (CRZ-III (A) area to the MoEF, Govt. of India, if the project proponent resubmits the comprehensive plan and necessary disaster management provision, sanitation within 2 weeks time.	The decision of the Authority was communicated to the project proponent vide Letter No.133 Dt. 06.08.2014
14	Reconstruction housing project at Dhakabali, Block-Khallikote, District Ganjam under Odisha Disaster Recovery Project (ODRP) by Odisha State Disaster Management Authority (OSDMA)	It was decided to recommend the proposal (CRZ-III (A) area to the MoEF, Govt. of India, if the project proponent resubmits the comprehensive plan and necessary disaster management provision, sanitation within 2 weeks time.	The decision of the Authority was communicated to the project proponent vide Letter No.132 Dt. 06.08.2014
15	Reconstruction housing project at Jagannathapatana, Block-Khallikote, District Ganjam under Odisha Disaster Recovery Project (ODRP) by Odisha State Disaster Management Authority (OSDMA)	It was decided to recommend the proposal (CRZ-III (A) area to the MoEF, Govt. of India, if the project proponent resubmits the comprehensive plan and necessary disaster management provision, sanitation within 2 weeks time.	The decision of the Authority was communicated to the project proponent vide Letter No.135 Dt. 06.08.2014

16	Reconstruction housing project at Kanaka, Block-Khallikote, District Ganjam under Odisha Disaster Recovery Project (ODRP) by Odisha State Disaster Management Authority	It was decided to grant CRZ clearance to the proposed project.(CRZ-III (B) area)	The CRZ clearance order was issued to the project proponent vide Letter No.- 138/OCZMA Dt. 06.08.2014
17	Transfer of CRZ cleared project proposal "Establishment of Swosti SPA and Villa-a Beach Resort" at Odiya Alapur, Ganjam District of Swosti Vacation Club, Bhubaneswar to Swosti Premium Ltd., Bhubaneswar with a change of name To Swosti Chilika Resort.	Authority agreed for transfer of CRZ Clearance granted in favour of "Swosti Vacation Club" to "Swosti Premium Ltd." with the change of the name of the project from "Swosti SPA and Villa-a Beach Resort" to "Swosti Chilika Resort". The project proponent shall give an undertaking to strictly abide by the terms and conditions as stipulated in the previous CRZ clearance order and deposit a scrutiny fee of Rs. 25,000 for the above purpose.	The CRZ clearance order was issued to the project proponent vide Letter No.- 144/OCZMA Dt. 06.08.2014. after submission of the following necessary undertaking and deposition of scrutiny fee of Rs. 25,000/-.

Others

18	CRZ violations matters	CRZ Violations / Action taken / Prosecution undertaken will be placed in all subsequent Authority meeting.	Communication was made to the Collector & District Magistrates of 6 Coastal Districts of Odisha (Puri, Ganjam, Kendrapada, Jagatsighpur, Balasore and Khurda) with a request to cause an enquiry into the alleged activities/ illegal constructions through a recent reminder on 17.07.2014 to furnish an Action Taken Report.
19	Audit of OCZMA Account	Accounts of the OCZMA should be updated and steps should be taken for the auditing.	Audit is completed. Report under final scrutiny
20	CZM Maps	The preparation of the CZM Maps is being undertaken jointly by ORSAC, Bhubaneswar and SAC, Ahmadabad. The final approval is awaited from SAC, Ahmadabad. The status of preparation of map by ORSAC, Bhubaneswar & SAC, Ahmadabad & public consultation necessary for CZM Plan as well as request for one year extension of the existing CZM Plan to	<p>Preparation of Coastal Zone Management Plan</p> <p>Para 5 (vi) of the CRZ Notification stipulates that the Coastal States will prepare draft CZMPs in 1:25000 scale map identifying and classifying the CRZ areas within the respective territories in accordance with the guidelines given in the Notification. Accordingly, a status report indicating the action already taken and further activities to be taken for Odisha, is given below:</p> <ol style="list-style-type: none"> 1. Odisha Space Application Centre (ORSAC), Bhubaneswar has prepared CRZ maps in 1:25000 scale for the State of Odisha (altogether 87 maps)

		<p>the MoEF was intimated to the Committee.</p>	<p>classifying CRZ I, II, III, IV using LISS-IV (2012) data and mapping of HTL/LTL with the help of SAC. Preliminary maps were prepared showing HTL/LTL all along the coast using Resourcesat-1 LISS-IV data of 2012 as per the guidelines of MoEF. Necessary Ground truthing has been made. Maps were finalized by ORSAC after necessary scrutiny and guidance by the scientists of SAC from time to time and the quality checking was completed. HTL and LTL have been demarcated by the Scientists of SAC on the land use maps of the entire State.</p> <ol style="list-style-type: none"> 2. Soft copies of the maps have been sent to all concerned Departments of State Government and Collectors of coastal districts, soliciting their views/comments/inputs especially regarding the existing infrastructure they have in the coast and proposed projects, if any, to be undertaken under their jurisdiction in the near future. Some responses have been received. 3. Simultaneously consultation meetings have been taken up by the District Coastal Zone Management Committees with the stakeholders in the district level. Out of 7 coastal districts, information received from 6 districts have been incorporated and reply from Bhadrakh district is awaited. 4. A State level consultation is being proposed to be taken up with all concerned Departments for the purpose. The proceedings of all such consultation meetings along with the maps will be submitted to OCZMA for their appraisal in a special meeting to be convened. 5. All these above records along with the authentication from SAC will be submitted to MoEF for their approval. 6. In the mean time, meetings were held in MoEF, New Delhi on this issue. Accordingly, NCSCM, an organization authorised by MoEF has sought for the copies of the prepared maps in .shp format. The same has
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			<p>been provided by ORSAC and sent to NCSCM.</p> <p>Preparation of Integrated Coastal Zone Management Plan</p> <p>Regarding Integrated Coastal Zone management Plan, the plan for Odisha is being prepared under the WB assisted ICZM project.</p>
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C .RESUBMITTED PROPOSALS

C.1 Reconstruction Housing Project at Markandi village in Ganjam district under Odisha Disaster Recovery Project (ODRP) by Odisha State Disaster Management Authority (OSDMA)

The matter was placed before the Authority in its 23rd OCZMA meeting held on 02.07.2014. The Authority refused to consider CRZ Clearance to above proposal as the dwelling units in located in CRZ-I area and suggested to the project proponent to shift the project sites to CRZ-III (A) or CRZ-III (B) area, which is permissible under CRZ Notification,2011.

Considering the suggestion of OCZMA, the project proponent, Odisha State Disaster Management Authority (OSDMA), Govt. of Odisha has resubmitted the above proposal for CRZ clearance with change of project site from CRZ-I to CRZ-III (B) area.

The objective of the project is to recover from the severe damage of cyclone Phailin, Govt. of Odisha and World Bank have taken responsibility for a reconstruction-cum-vulnerability reduction programme that includes rebuilding the damaged houses including relocation of the community to safer and tenable land in the coastal district. The cost of the project is Rs. 22.32 Crore and is funded by World Bank & Govt of Odisha.

The resubmitted project area is located in Markandi village, Rangeilunda Block in Ganjam district. The project proposals have 2 sites i.e. Site-I (19° 11' 3.951"N & 84° 49' 51.472"E) & Site-II (19° 11' 16.142"N & 84° 49' 56.744"E). The project sites are located in CRZ-III (B) area (as indicated in CRZ Map NO. 74A/16/NW Sheet No.4 in 1:25,000 scales prepared by ORSAC & sponsored by Dept. of F & E, Govt. of Odisha). The total area acquired for the proposed project is Rs. 29.8 Ac of Govt. lands.

The construction will be under taken as per the ToR for Owner Driven Construction of House (ODCH) under Odisha Disaster Recovery Project (ODRP) to reduce the vulnerability of constructing pucca house was developed by Odisha State Disaster Management Authority (OSDMA) for implementation In collaboration with the Collectors of Ganjam district. Total of 620 nos of dwelling unit will be constructed and each unit will be 252 sq ft of plinth area and constructed within 1000 sq ft plot area. Internal road, Drainage facilities, Water Supply, Electricity will be provided to each house. To ensure hazard resilience, the plinth of the houses raised above the average annual flood level and a built in loft that serves as shelter during flood events. House will be constructed with a maximum height of 4 m from the ground. Houses should ideally include water storage facilities and a verandah. Implementation of the project will involve only Govt. land. The traditional building skills cultural preference and local building materials and involvement of the beneficiary may be encouraged to enhance beneficiary ownership.

The project proponent has assessed the environmental impact assessment of the project and incorporated the Environmental Management Plan for mitigation of the impact. The Disaster Management Plan addressed the nature of disasters as indicated in the multihazard map of the area, assessed the risk involved and incorporate the design and construction technologies for the owner driven construction houses.

The activity is permissible under **Para 3 (e) – “Reconstruction, repair works** of dwelling units of local communities including fishers in accordance with local town and country planning regulations”

The activity is permissible under **Para 8 (III) B (vii): construction or reconstruction of dwelling units** so long it is within the ambit of traditional rights and customary uses such as existing fishing villages and goathans. Building permission for such construction or reconstruction will be subject to local town and country planning rules with overall height of construction not exceeding 9 mtr with floors (ground+ one floor)

Para 8 (III) B (viii) Construction of public rain shelters, community toilets, **water supply drainage, sewerage, roads** and bridges by CZMA who may also permit construction of schools and dispensaries for local inhabitants of the area for those panchayats, the major part of which falls within CRZ if no other area is available for construction of such facilities.

The project does not attract Environmental Clearance under EIA Notification, 2006.

OCZMA may discuss the proposals and if considered, may grant CRZ clearance to the aforesaid projects under CRZ Notification, 2011.

C.2 Reconstruction Housing Project at Patisunapur village in Ganjam district under Odisha Disaster Recovery Project (ODRP) by Odisha State Disaster Management Authority (OSDMA)

The matter was placed before the authority in its 23rd OCZMA meeting held on 02.07.2014. The Authority refused to consider CRZ Clearance to above proposal as the dwelling units in located in CRZ-I area and suggested to the project proponent to shift the project sites to CRZ-III (A) or CRZ-III (B) area which is permissible under CRZ Notification, 2011.

Considering the suggestion of OCZMA, the project proponent, Odisha State Disaster Management Authority (OSDMA), Govt. of Odisha has resubmitted the above proposal for CRZ clearance with change of project site from CRZ-I to CRZ-III (B) area.

The objective of the project is to recover from the severe damage of cyclone Phailin, Govt. of Odisha and World Bank have taken responsibility for a reconstruction-cum-vulnerability reduction programme that includes rebuilding the damaged houses including relocation of the community to safer and tenable land in the coastal district. The cost of the project is Rs. 25.812 Crore and is funded by World Bank & Govt of Odisha.

The resubmitted project area is located in Patisunapur village, Chikiti Block in Ganjam district. The project proposals have 3 sites i.e. Site-I ($19^{\circ}5'58.113''N$ & $84^{\circ}46'30.2''E$), Site-II ($19^{\circ}5'26.575''N$ & $84^{\circ}46'12.47''E$) & Site-III ($19^{\circ}4'58.013''N$ & $84^{\circ}45'56.668''E$). The project sites are located in CRZ-III (B) area (as in CRZ Map NO. 74A/16/SW Sheet No.2 in 1:25,000 scales prepared by ORSAC & sponsored by Dept. of F & E, Govt. of Odisha). The total area acquired for the proposed project is 20.9768 Ac of Govt. lands.

The construction will be under taken as per the ToR for Owner Driven Construction of House (ODCH) under Odisha Disaster Recovery Project (ODRP) to reduce the vulnerability of constructing pucca house was developed by Odisha State Disaster Management Authority (OSDMA) for implementation in collaboration with the Collectors of Ganjam. Total of 717 nos of dwelling unit will be constructed and each unit will be 252 sq ft of plinth area and constructed within 1000 sq ft plot area. Internal road, Drainage facilities, Water Supply, Electricity will be provided to each house. To ensure hazard resilience, the plinth of the houses raised above the average annual flood level and a built in loft that serves as shelter during flood events. House will be constructed with a maximum height of 4 m from the ground. Houses should ideally include water storage facilities and a verandah. Implementation of the project will involve only Govt. land. The traditional building skills cultural preference and local building materials and involvement of the beneficiary may be encouraged to enhance beneficiary ownership.

The project proponent has assessed the environmental impact assessment of the project and incorporated the Environmental Management Plan for mitigation of the impact. The Disaster Management Plan addressed the nature of disasters as indicated in the multi-hazard map of the area, assessed the risk involved and incorporate the design and construction technologies for the owner driven construction houses

The activity is permissible under **Para 3 (e)** – “**Reconstruction, repair works** of dwelling units of local communities including fishers in accordance with local town and country planning regulations”

Para 8 (III) B (vii): “construction or **reconstruction of dwelling units** so long it is within the ambit of traditional rights and customary uses such as existing fishing villages and goathans. Building permission for such construction or reconstruction will be subject to local town and country planning rules with overall height of construction not exceeding 9 m with floors (ground+ one floor)”

Para 8 (III) B (viii) “Construction of public rain shelters, community toilets, **water supply, drainage, sewerage, roads** and bridges by CZMA who may also permit construction of schools and dispensaries for local inhabitants of the area for those panchayats, the major part of which falls within CRZ if no other area is available for construction of such facilities”.

The project does not attract Environmental Clearance under EIA Notification, 2006.

OCZMA may discuss the proposals and if considered, may grant CRZ clearance to the aforesaid projects under CRZ Notification, 2011.

D. FRESH PROPOSALS

1. Construction of Hotel at Puri for Peerless Hotels Ltd

The Executive Director, Peerless Hotel Ltd. has submitted a proposal for “construction of Hotel at Puri for Peerless Hotels Limited” at Mauza - Sipasarubali, Tehsil- Puri Sadar in the district of Puri. The total area acquired for the project is 4.50 Ac. of Patita kissam land coming under Khata no. 88 and Plot no.-409 & 414 in the Sipasurubuli mauza of Puri District.

The overall aim of the project is to meet the requirement of inadequacy for tourist/pilgrims most specifically during festive period of Lord Jagannath and peak tourist seasons. To develop an environmental friendly sustainable tourism infrastructure to provide livelihood support to the trained personnel having experience in hospitality industry and also to provide livelihood for local community. The Tourism Dept. of Govt. of Odisha is also encouraging such activities in order to enhance livelihood option of the coastal community through Ecotourism.

The location of the project is coming under CRZ-II area (Sheet No. 26, Map No. CZMP.74E/2/NE) & the geographical location of the project is 19⁰ 47' 11.33"N to 85⁰ 47' 33.07".

The total cost of the project is Rs. 26.5 Crores.

The project envisages setting up of a Hotel complex having Basement + Ground+ 1st floor. The total plot area of the project is 18026.121 sq.m and the total built up area for the proposed project is 7666.91 sq.m and ground coverage is 22.18% and proposed FAR is 0.42. The basic activities of the ground floor of the main Hotel comprises guest room, Suites, Hotel reception and lounge, banquets, meeting rooms, restaurant, bar, cafeteria, and kitchen. The basement of the building will accommodate housekeeping, laundry, stores, offices, A/C plant room & electric room and first floor of hotel building comprises suites, managers room, a couple of banquets, gymnasium, spa & administrative area. Six cottages are also coming outside the main building for luxurious accommodation. The outdoor Facilities include Swimming pool and car parking area and green belt

area. The building height will be within 9m. The architecture is proposed to be in tune with standards of local development and local use of materials and skill.

As regard to the environmental management plan (EMP), the construction garbage will be used for filling low lying areas and waste water will be reused and mitigation plan to minimize impact on air, water during construction phase. The quantity of solid waste generated during operational phase will be approximately 0.3 tonnes/day and will be handed over to an authorised solid waste collection agency. The liquid effluent generated will be treated through STP and the treated water will be reused in greenbelt development. The project proponent has assessed the environmental impact assessment (through of environmental assessment checklist, impact identification matrix, impact prediction matrix etc.) of the project and incorporated the Environmental Management Plan for mitigation/minimize of the impact. The important Environmental Management Plan includes air quality management, water quality management, noise/ vibration management as well as waste water treatment and reuse management with landscape & plantation management, which will be appended in to the relevant Bid documents with instruction to the contractor during development of the structure.

The project proponent has prepared a disaster management report indicating the risk assessment and design parameters to withstand such multi hazard risks to maintain structural stability. A disaster management plan being developed to face and mitigate such eventualities.

The activity is permissible under the Para 8 (i) (II) CRZ-II (i) of CRZ Notification, 2011, "buildings shall be permitted only on the landward side of the existing road or on the landward side of the authorised structures". The project proponent has enclosed the judicial report regarding the justification of the existing road before 1991 between Hans Co-Co Palm & Sterling Resort.

In the CRZ Notification,2011, the guideline appended as annexure-III refer that for development of beach resorts or hotels in the designated area of CRZ-III and CRZ-II for occupation of tourist or visitors with prior approval of the ministry of Environment & Forest .

The project does not attract Environment Clearance under EIA Notification, 2006.

The proponent has submitted the following documents/maps in respect of the project.

- Form-I as per the CRZ Notification, 2011(Annexure-IV)
- Environmental Impact Assessment study (EIA) and Environmental Management Plan (EMP).
- Disaster Management Report, Risk Assessment and Management Plan.
- HTL & LTL demarcation report prepared by Anna University, Chennai.
- CRZ Map (1:4000 scale prepared by Anna University, Chennai.
- Geotechnical report
- Questioners for Environmental Appraisal.
- 7 km radius Satellite Map showing the project location.
- NOC from State Pollution Control Board, Odisha.
- Structural Stability Certificate.
- Drawings and designs of the project proposal.
- Scrutiny fees (Rs. 1,00,000)

OCZMA may discuss the proposal and consider recommending the proposal for grant of CRZ clearance by MoEF , Govt. of India under CRZ Notification, 2011.

2. Construction of an Offshore Breakwater at Paradip Port by Pradip Port Trust

The Chief Engineer, Paradip Port Trust has submitted a proposal for construction of an Offshore Breakwater at Paradip Port, Paradip in the district of Jagatsinghpur.

The port of Paradip is considered as a modernized bulk port terminal in India with mechanized coal and iron handling. At present paradip port is capable of handling Panamax vessels up to 65,000 DWT and depth of the approach channel is 12.9 mCD and to expand the marine facilities Paradip Por Trust intends to construct an offshore breakwater which would provide the wave tranquillity in the approach channel and harbour basin for safe navigation of bigger size vessels up to 125,000 DWT vessels initially & 185,000 DWT vessels at later stage. It would also protect the sand trap areas so that effective maintenance dredging of the sand trap areas can be carried out by the port at any time of the year.

At present the harbour basin is protected by two breakwater i.e south break water 1217 m long and north breakwater 538m long and now proposed for an offshore breakwater of appx.1600m long & 90m width and oriented in east west direction. The water depth along the offshore breakwater varies between -10.7m CD at the western ends to about -12.8m CD at the eastern end.

The total cost of the project is Rs. 392 Crores.

The location of the project is coming under CRZ-IV area i.e 1000m away from the shoreline (CRZ Map (in 1:4000 & 1:25,000 Scales) Prepared by NIO, Goa).

The project proponent in the EIA Report has indicated the EMP with mitigation measures. However following aspects needs specific considerations/ methodology to minimize the adverse impact both during construction and operation phase in the air, water environment and aquatic life.

1. Detail study on turtle with respect to period, impact on stability in the area during their matting, information regarding population of adult and hatchlings movement in their migration route. This will be essential for preparing a work schedule for dradging and construction phase and specific measures for turtle protection.
2. Specific technology and quantity for transport of materials to the site to minimize the adverse impact on air & water environment and aquatic life.
3. The mitigation measure suggest by the project proponent is inadequate with respect to quantity of solid waste generated and site of waste disposal. it also needs to identify the methods of transport of solid waste and specific mitigation measures to minimize the adverse impact.
4. Report on the impact of coastal erosion on both sides of the port after the project implentation. Distribution of long shore drift need modelling study for the impact assessment and shoreline stability needs to be more conclusive.
5. The proponent has not submitted the CRZ Map covering 7km radius around the project site.

In the Disaster Management Plan, the project proponent has not suggested the stability steps design criteria to withstand severe cyclonic storms and tsunamis. In case of such an eventuality it needs to be assessed the impact of such a long structure in the surrounding area.

The proposed activity is permissible under Para 3(i) (a) "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.;" The project attracts Environment Clearance (under para 7(e)) of EIA Notification, 2006.

As MoEF has suggested submitting the recommendation of the SCZMA on expansion proposals, in their additional ToR, OCZMA need to communicate such recommendation to the MoEF

The proponent has submitted the following documents/maps in respect of the project.

- Form-I (Annexure-IV of CRZ Notification,2011)
- Environmental Impact Assessment study report including Environmental Management Plan & Disaster Management Plan
- Questionnaire for Environmental appraisal
- CRZ Map indicating HTL & LTL in 1:4000 scale approved by CSIR-National Institute of Oceanography, Goa.
- CRZ Map indicating the CRZ-I, II, III& IV area and location of the project area in the CRZ map.

OCZMA may discuss the proposal and if consider recommending the proposal to MoEF, Govt of India for considering grant of CRZ clearance, under CRZ Notification, 2011.

3. Laying of "Paradip-Haldia-Durgapur LPG Pipeline" in the existing RoW of Paradip-Haldia crude oil pipe line in the state of Odisha by Indian Oil Corporation Limited (IOCL)

Project Manager (T & I), Indian Oil Corporation Ltd. has submitted a proposal for laying of "Paradip-Haldia-Durgapur LPG Pipeliem" in the existing RoW of Paradip-Haldia crude oil pipe line in the state of Odisha. The total length of the pipeline is 710 km out of which 240 km is within the State of Odisha. The route of proposed Laying of pipeline is through Paradip-Balasore-Haldia-Budge Budge-Kalyani-Durgapur.

The project is approved as a first tract project to evacuate the finished products with an emphasis on rural marketing as advised by Ministry of Petroleum & Natural Gas with an objective of transporting of LPG in a safe and reliable manner. The pipeline systems are the safest and environmental friendly mode of transportation of crude and other petroleum products in comparison with traditional /other modes. Being a closed loop system, handling and transportation losses are minimum and are considered as most efficient mode of transportation. The proposed laying of pipeline is underground and followed the existing pipeline route of Paradip-Haldia crude oil pipeline up to Haldia.

Total project cost for 710km pipeline is Rs.913 crores out of which Rs. 257 crores in state of Odisha.

Project profile: The proposed laying of pipeline system broadly involves the following activities.

- Installation of pump station at Paradip and Haldia.
- Laying of 10.75" OD, 678 km pipeline from Paradip to Durgapur
- Installation of delivery facilities at Balasore, Budge Budge, Kalyani and Durgapur.

The total length of the proposed pipeline is 710km out of which 240 km is passing through the state of Odisha. The existing Right of Way (RoW) (width of 18 meters) of PHCPL shall be utilized for the said purpose laid in accordance with OISD-141. The proposed new pipeline shall be laid in the RoW of PHCPL, at a distance of 5 m. from the existing crude oil pipeline and the spur line pipeline section at Balasore as per the provision /standards governed by OISD-141. The pipeline shall laid at a depth of about 1.25 to 1.5 m from ground level as per the standard design of OISD-141. Diameter of the main pipeline shall be 10.75" all throughout. After laying of the pipeline, the area will be restored back and the corridor will be demarcated with boundary pillars at regular intervals.

Route of pipeline: as regard to the pipeline route the pipeline originate from Paradip and follow existing pipeline route up to Haldia. Various pump stations and delivery stations are thus an intermediary in this pipeline route. In Odisha, the installation of sectionalising valves and delivery station is proposed at Balasore.

The terrain along the pipeline route is mostly flat and plain, which includes stretches of low laying area in between. There is no rocky terrain along the proposed pipeline route. The pipelines would cross a number of Rivers, creeks and canals. At larger distance Horizontal Direction Drilling (HDD) technique will be used and at minor rivers/canals pipeline shall be laid by submerge crossing method. Provisions have also been kept for installing pipeline by HDD method and bored cased crossing method at selected National / State Highways, and at railway crossings.

The pipeline would provide motor operated sectionalized valves at regular intervals all along the pipeline route and providing the additional sectionalized valves in one side and NVR on the other side of each Major River and Canal crossing. For stability the pipe shall be protected with double layered fusion bonded epoxy coating at HDD / water crossing locations and 3LPE coated. Diameter of the pipeline shall be 10.75" all through the main pipe line and API 5LX60 grade CS shall be used as main pipe.

The proposed laying of LPG pipeline will cross 17 Rivers, Creeks and Nalas in Odisha which are coming under CRZ area (as indicated in CRZ Map in 1:4000 scale prepared by National institute of Oceanography, Goa). The project proponent has indicated that the length of the pipeline in CRZ-I area is 3.21 km, CRZ-III area is 2.25 km & in CRZ-IV area it covers 5.32km and covering total length in CRZ area is 10.78Km out of the total length of 240km in the state of Odisha.

LOCATION – WISE DETAILS OF CRZ AREAS AS PER NIO OBSERVATIONS

Locati on	CRZ Category	Constituents ** M: Mangrove C: Creek T: Tidal Flat	Length (Mtr.)	Area (Length*18M) (Ha)	Clause under which proposed activity is permissible
<i>Santra Creek</i>	*Bellow CRZ IV (B) & CRZ I	M, C ,T	2487.0344	4.4767	4 (ii) d 8 (i) (l) (i) (b)
<i>Baitarg arh Nala</i>	*Bellow CRZ IV (B) & CRZ III	C,T	88.9710 219.8253	0.1601 0.3957	4 (ii) d 8 (i) (l) (i) (b)
<i>Paradip Canal</i>	*CRZ IV(B) & CRZ III	C	56.9163 111.5769	0.1024 0.2008	4 (ii) d 8 (i) (l) (i) (b)
<i>Mahan adi River</i>	*Bellow CRZ IV (B) & CRZ III	C,T	1102.7904 247.3363	1.9850 0.4452	4 (ii) d 8 (i) (l) (i) (b)
<i>Gupti River</i>	*Bellow CRZ IV(B) & CRZ I	C,T	243.1841 330.3267	0.4377 0.5946	4 (ii) d 8 (i) (l) (i) (b)
<i>Guptagi ri Nala</i>	*Bellow CRZ IV (B), CRZ III & CRZ I	C,T	175.8775 86.7320 73.8786	0.3166 0.1561 0.1330	4 (ii) d 8 (i) (l) (i) (b)
<i>Gobri River</i>	*Bellow CRZ IV (B) & CRZ I	M,C,T	434.4809 204.0593	0.7821 0.3673	4 (ii) d 8 (i) (l) (i) (b)
<i>Nuna Nala</i>	*Bellow CRZ IV (B) & CRZ I	C,T	57.8040 117.7021	0.1040 0.2119	4 (ii) d 8 (i) (l) (i) (b)
<i>Sankru pajhor Nala</i>	*Bellow CRZ IV (B) & CRZ III	C	92.7253 127.3249	0.1669 0.2292	4 (ii) d 8 (i) (l) (i) (b)
<i>Brahma ni River</i>	*Bellow CRZ IV(B) & CRZ III	C	288.6900 210.8629	0.5196 0.3795	4 (ii) d 8 (i) (l) (i) (b)
<i>Khursu a River</i>	Bellow CRZ IV (B) & CRZ III	C	228.5529 227.9147	0.4114 0.4102	4 (ii) d 8 (i) (l) (i) (b)

<i>Baitarani River</i>	*Bellow CRZ IV (B) &	C	402.4302 248.1858	0.7244 0.4467	4 (ii) d 8 (i) (l) (i) (b)
<i>Mantei River</i>	*Bellow CRZ IV (B) & CRZ III	C,T	51.6123 106.2439	0.0929 0.1912	4 (ii) d 8 (i) (l) (i) (b)
<i>Budhabalanga River</i>	*Bellow CRZ IV (B) & CRZ III	C	168.4300 204.1674	0.3032 0.3675	4 (ii) d 8 (i) (l) (i) (b)
<i>Jalaka (Jhinga) Nala</i>	*Bellow CRZ IV (B) & CRZ III	C	50.9433 143.3584	0.0917 0.2580	4 (ii) d 8 (i) (l) (i) (b)
<i>Pegpera Nala</i>	*Bellow CRZ IV (B) & CRZ III	C	52.7610 104.7329	0.0950 0.1885	4 (ii) d 8 (i) (l) (i) (b)
<i>Subarnarekha River</i>	*Bellow CRZ IV (B) & CRZ III	C	1828.6725 211.9701	3.2916 0.3815	4 (ii) d 8 (i) (l) (i) (b)

CRZ Zonation wise laying of pipeline

CRZ Category	Length of pipeline under CRZ (meter)	Area under CRZ (Ha)	Volume under CRZ (cubic meter)
CRZ-I	3213.001	5.7834	631.1252
CRZ-III	2250.232	4.0504	442.0098
CRZ-IV	5324.842	9.5847	1045.951
In total under CRZ	10788.075	19.4185	2119.086

Environmental Impact Assessment study conducted for the proposed project and possible impact has been screened and mitigation measures both in the construction and operation phase are indicated in the submitted EIA report. The safety factors like wind load, seismic load, soil bearing capacity etc. is to be taken in to account for designing the civil structures. In the Environmental Management Plan proponent has suggested the mitigation measures for the activities causing the environmental impact and has kept option for monitoring plan as well as provision of resource for monitoring.

The proponent has prepared a disaster management report, risk assessment and management plan for effective measures in case of possible eventuality during a disaster. In case of the damage/ leak, the proponent needs to provide reliable mitigation plan.

The proposed activity is permissible under Para Para 4 (ii) (d) “laying of pipelines, conveying systems, transmission line” & Para 8 (i) (I) CRZ-I (i) (b) “pipelines, conveying systems including transmission lines”

The project does not attract Environment Clearance under the provision of EIA Notification, 2006.

As per the CRZ Notification, 2011 proposed laying of pipeline require clearance from MoEF, Govt. of India and hence OCZMA recommendation is essential before sending it to MoEF for grant of CRZ Clearance.

The proponent has submitted the following documents/maps

- Form-I (Annexure-IV of CRZ Notification,2011)
- Environmental Impact Assessment study Report & Environmental Management Plan
- Risk Assessment (RA) & Disaster Management Plan (DMP).
- CRZ Applicability study report by CSIR-National institute of Oceanography, Goa.
- Land schedule, land particulars & lay out plan.
- CRZ Map in 1:4000 scale prepared by prepared by CSIR-National institute of Oceanography, Goa
- Scrutiny fee.

OCZMA may discuss the proposal and may consider recommending the proposal for grant of CRZ clearance from MoEF , Govt. of India under CRZ Notification, 2011.

4. 120 MW Thermal Power Plant at village Sri ramchandrapur, District Ganjam in Odisha by M/s Dr. Ramakrishna Prasad Pvt. Ltd.

General Manager of M/s Dr. Ramakrishna Prasad Pvt. Ltd. has submitted a request for issuance of a certificate that the proposed 120 MW Thermal Power Plant at village Sriramchandrapur, District Ganjam is outside the CRZ Notified area.

The need for issue of such certificate for location of the proposed project came from the 34th State Level Single Window Clearance Authority (SLSWCA) of IPICOL as: “the project should be set up beyond the CRZ Zone as per the existing norms” and from the ToR approved from the ministry of environment & forest Govt. of India for under taking EIA Study in accordance with the provision of the EIA Notification, 2006 as “the project boundary should be away from the CRZ line”.

The proponent has submitted the CRZ Map (prepared by ORSAC & Sponsored by F& E Dept. Govt. of Odisha in 1:25,000 scales) indicating the project location depicting 4 co-ordinates of the plant boundary (1. $19^{\circ} 19' 55.75''N$ & $84^{\circ} 56' 21.73''E$, 2. $19^{\circ} 19' 39.62''N$ & $84^{\circ} 56' 18.09''E$ 3. $19^{\circ} 19' 54.02''N$ & $84^{\circ} 56' 32.95''E$ and $19^{\circ} 19' 28.82''N$ & $84^{\circ} 56' 21.51''E$). The distance of the project site from the nearest CRZ boundary has been estimated as 2.66 km. The project proponent also submitted another report from Odisha Geo Spatial Data Center, Survey Of India, Bhubaneswar indicating location of 3 approximate WGS-84 co-ordinates from the proposed site (situated near the sea shore near Gopalpur) to the nearest project site at 4.2, 3.9 & 4.2 km which have been marked OSM sheet no. 74A/15 (E45A15) and is dully authenticated.

On verification of report of the Survey of India, Bhubaneswar & the CRZ map (Sheet No.6, in 1:25,000 scales), it is evident that the location of the proposed site is at least 2.9 km away from the CRZ area.

The proponent has submitted the following documents/maps in respect of the project.

- CRZ Map in 1:25,000 scale (prepared by ORSAC & Sponsored by F& E Dept. Govt. of Odisha)
- Topomap (Issued by Survey of India, Bhubaneswar)
- Google map of the site indicating the project location.
- Land schedule with ownership
- State Level Single Window Clearance (SLSWCA) Issued by IPICOL, Bhubaneswar
- Terms of reference (ToR) issued by MoEF, against the project
- Survey of India Report.

Odisha Coastal Zone Management Authority may discuss the proposal and if considered, may issue appropriate certificate.

5. Restoration of saline embankments and gherries damaged during the cyclone Phailin by Water Resource Dept. Govt. of Odisha.

The Chief Engineer-cum-Project Director, PMU, OIAMIP, Bhubaneswar has submitted 12 proposals for "Restoration of saline embankments and gherries damaged during the cyclone phailin.

The objective of the project is to renovate the damaged saline embankments/sluices and filling of embankment gaps and construction of new sluices/spurs, with the purpose to protect people, livestock, agricultural fields, prevent water logging and saline ingress and to help people with sustainable agriculture production and providing alternative communication facility over the saline embankments to the adjacent villages and saving of lives of the people in the locality by way of movement of rescue/relief and emergency aid.

The renovations of the saline embankments are finalized on the basis of surge height marked by Orissa Govt and it varies from 10.20 m in the north Orissa Coast (Balasore) to 4.30m in the southern Orissa coast (Ganjam).

As the soil texture is mostly silty loam, clayey loam and alluvial loams the slope of the restoration embankments in majority of the cases it will be 2:1 (both sides) in few cases the landward side slope is plan for 1.5:1. In general, the slope protection measures suggested for turfing along the landward side where as hard granite stone packing is suggested towards the river/ seaward side. For additional strength of the embankments, toe wall is suggested, with stone & cement grouting. In general, the toe wall will remain at least 2ft underground and about 1 ft towards the sea/river or lake side.

Brief of the 12 saline gherry & Embankment proposals attracting CRZ Clearances are as follows

Sl. No.	Name of the project & project proponent	Site address, area covered (length) location, ownership of land	Size of the project (in terms of total length)	CRZ Status & map no.	Permissible provision under CRZ Notification	Project cost and funding source	Details about the construction	
							Construction design parameters	Extension of land required (beyond the existing land area)
1	Restoration of existing Paikerapur saline gherry from RD 00 KM to 12.8 km in Krushnaprasad Block, Puri District.	At-Paikerapur Block- Krushnaprasad, Distriuct -Puri. <u>Geographical location</u> <ul style="list-style-type: none"> • 19°28'23.5"N, 85°8'59.7"E (Starting) to • 19° 29'18.42"N, 85° 10' 7.95" E (Midpoint) • 19° 30' 43.18"N, 85° 11' 2.44" E(Midpoint) • 19° 29' 52.32"N, 85° 11' 43.005" E(Midpoint) • 19°30'53.6"N 85°12'55.8"E (End point) 	12.80 km	CRZ-III (A) Map No.74E/3/NE & 74E/2/SE (Sheet no-9 &10) (As per the CRZ map Prepared by ORSAC and sponsored by F & E Dept., Govt of Odisha)	Para 3 (i) (a), Para 4 (f) & Para 8(i) III (A) (j) of CRZ notification-2011	Rs. 593.55 Lakhs By Asian Development Bank & Govt of Odisha	The existing top bank width of the saline embankment was 3.00m & the TBL varies from RL.3.50m to 4.00m. The average NSL varies from RL.1.36m to RL.2.30m with side slopes of 1.5:1/1.2:1. After Phailin attack the Saline embankment got eroded & heavy scouring took place at various points due to which the top bank width reduced to 0.50m./1.00m. Chilika surge water at some places of the embankment got over topped due to which the TBL reduced to RL.2.90-R.L.3.80mtr. At present the embankment has no free board in some places	0.55 Acres
2	Restoration of	At-Titipo	7.10 km	CRZ-III (A)	Para 3 (i) (a),	Rs. 589.60	The existing top bank width	0.11 Acres

	existing Titipo saline gherry from RD 00 KM to 7.10 km in Krushnaprasad Block, Puri District.	Block- Krushnaprasad, Distriuct –Puri <u>Geographical location</u> <ul style="list-style-type: none"> • 19°36'46.0"N 85°21'40.0"E (Start point) to • 19° 38'0.65"N, 85°23'17.51"E (Mid point) • 19°38'44.1"N, 85°21'50.7"E (End point) 		Map no. 74E/6/SE, 74E/6/NE & 74E/6/NW Sheet no- 12,13 &14 (As per the CRZ map Prepared by ORSAC and sponsored by F & E Dept., Govt of Odisha	Para 4 (f) & Para 8(i) III (A) (j) of CRZ notification- 2011	Lakhs	of the saline embankment was 3.00m & the TBL varies from RL.3.50m to 4.00m. The average NSL varies from RL.1.29m to RL.2.39m with side slopes of 1.5:1/1.2:1. The embankment for the entire length was not in design standard as it was getting scoured due to high surge where there is no protection of toe and slope & during "Phailin" extensive damage occurred. After Phailin attack the Saline embankment got eroded & heavy scouring took place at various points due to which the top bank width reduced to 0.50m./2.50m. Chilika surge water at some places of the embankment got over topped due to which the TBL reduced to RL.2.92- R.L.3.50mtr.At present the embankment has no free board in some places.	
3	Restoration of existing Nuapada saline gherry from RD 00 KM to 4.80 km in Krushnaprasad Block, Puri District.	At-Nuapada Block- Krushnaprasad, Distriuct -Puri <u>Geographical location</u> <ul style="list-style-type: none"> • 19°38'47.9"N 85°24'27.6"E 	4.80 km	CRZ-III (A) Map no. 74E/6/NE Sheet no-13 (As per the CRZ map	Para 3 (i) (a), Para 4 (f) & Para 8(i) III (A) (j) of CRZ notification- 2011	Rs. 388.44 Lakhs	The existing top bank width of the saline embankment was 3.00m & the TBL varies from RL.3.50m to 4.00m. The average NSL varies from RL.1.36m to RL.2.30m with	0.83 Acres

		<p>(Start point) to</p> <ul style="list-style-type: none"> • 19° 39'52.01"N, 85° 24'17.47" E (Mid point) • 19°40'52.0"N 85°24'07.6"E (End point) 		Prepared by ORSAC and sponsored by F & E Dept., Govt of Odisha)			side slopes of 1.5:1/1.2:1. The embankment for the entire length was not in design standard as it was getting scoured due to high surge where there is no protection of toe and slope & during "Phailin" extensive damage occurred. After Phailin attack the Saline embankment got eroded & heavy scouring took place at various points due to which the top bank width reduced to 0.50m./1.00m. Chilika surge water at some places of the embankment got over topped due to which the TBL reduced to RL.2.90-R.L.3.80mtr. At present the embankment has no free board in some places	
4	Restoration of existing Krushnaprasad saline gherry from RD 5.80 KM to 30.27 km in Krushnaprasad Block, Puri District.	<p>At- Krushnaprasad Block- Krushnaprasad, Distriuct –Puri</p> <p><u>Geographical location</u></p> <ul style="list-style-type: none"> • 19°37'58.6"N, 85°17'27.9"E (Start point) to • 19° 37' 57.27"N, 85° 14' 16.78" E (Midpoint) • 19° 36' 2.84"N, 85° 19' 	24.47 km	CRZ-III (A) Map no. 74E/2/SE, 74E/6/SW, 74E/6/NW & 74E/2/NE Sheet no- 10,11,14 &16 (As per the CRZ map Prepared by	Para 3 (i) (a), Para 4 (f) & Para 8(i) III (A) (j) of CRZ notification- 2011	Rs. 498.39 Lakhs	The existing top bank width of the saline embankment was 3.00m & the TBL varies from RL.3.50m to 4.00m. The average NSL varies from RL.1.35m to RL.2.05m with side slopes of 1.5:1/1.2:1. The embankment for the entire length was not in design standard as it was getting scoured due to	0.36 Acres

		6.18'' E (Midpoint) • 19°39'38.9"N, 85°15'50.0"E (End point)		ORSAC and sponsored by F & E Dept., Govt of Odisha)			high surge where there is no protection of toe and slope & during "Phailin" extensive damage occurred. After Phailin attack the Saline embankment got eroded & heavy scouring took place at various points due to which the top bank width reduced to 1.00m./1.50m. Chilika surge water at some places of the embankment got over topped due to which the TBL reduced to RL.2.60-R.L.2.80mtr. At present the embankment has no freeboard in some place.	
5	Restoration of existing Jharlang-Belanga saline Embankment from RD 22.00 KM to 29.10 km in Astaranga Block, Puri District.	At- Jharlang-Belanga Block- Krushnaprasad, Distriuct –Puri <u>Geographical location</u> • 19°54'33.4''N 86° 13'30.6''E(Starting) • 19°54'52.536''N 86°14'30.0246''E (Midpint 1) • 19° 55'.00''N 86°14'59.833''E(Midpint) • 19° 55'45.4''N 86° 15'26.2''E(Ending)	6.300 km	CRZ-III (A) Map no. 74 I/01NE, 74I/05/NW Sheet no-32 & 33 (As per the CRZ map Prepared by ORSAC and sponsored by F & E Dept., Govt of Odisha)	Para 3 (i) (a), Para 4 (f) & Para 8(i) III (A) (j) of CRZ notification-2011	Rs. 1080.75 Lakhs	The existing saline embankments, constructed to protect the coastal villages/ area, are having top elevation of about 2.50 m to 3.0m.	8.80 Areas

6	Restoration of existing Serei-Bandala saline Embankment from RD 00 KM to 3.50 km in Astaranga Block, Puri District.	At- Serei-Bandala Block-Astaranga Distriuct-Puri <u>Geographical location</u> <ul style="list-style-type: none"> • 19° 54'46.8''N 86°12'47.7''E(Starting) • 19° 55'00.5038''N 86° 13'29.89''E(Midpoint) • 19° 54'40.751''N 86° 13'12.672''E(MidPoint) • 19° 55'10.3''N 86° 12'58.8''E (Ending) 	3.5 km	CRZ-III (A) Map no. 74 I/01NE Sheet no-32 (As per the CRZ map Prepared by ORSAC and sponsored by F & E Dept., Govt of Odisha)	Para 3 (i) (a), Para 4 (f) & Para 8(i) III (A) (j) of CRZ notification-2011	Rs. 793.00 Lakhs	The existing saline embankments, constructed to protect the coastal villages/ area, are having top elevation of about 2.50 m to 3.0m.	3.39 Acres
7	Restoration of existing saline gherry Block-III RD 1.80 km to 7.80 km at Bhusandpur in Tangi Block, Khurdha District.	At-Bhusandpur in Block – Tangi District-Khurdha <u>Geographical location</u> <ul style="list-style-type: none"> • 19°54'58.5"N, 85°29'34.3"E (Start point) • 19°54'3.52''N, 85°29'14.35''E (Mid point) • 19°53'41.53''N, 85°30'16.85''E (Mid point) • 19°54'51.6"N, 85°30'33.9"E (End point) 	6.00 km	CRZ-III (A) Map No.74E/5/NE & 74E/9/NW; Sheet no-20 & 21 (As per the CRZ map Prepared by ORSAC and sponsored by F & E Dept., Govt of Odisha)	Para 3 (i) (a), Para 4 (f) & Para 8(i) III (A) (j) of CRZ notification-2011	Rs. 420.83 Lakhs	The existing saline embankment, constructed to protect the coastal villages/ area, are not in proper section. The Top Bank Level (TBL) from RD 00 to 1.83km is around RL 2.90M, but after RD 4.88km up to RD7.80km the section is lean and TBL is about 1.50M to 2.00M. The embankment is often overtopped by high tide, during cyclonic storm causing heavy damages, thus the need and reason for renovation. Hence, accordingly the TBL has been kept at RL 3.20m (i.e. 1.20m above the HHTL of 2.00m)	

8	Restoration of existing saline gherry from Khairabandha to Chandraput in Chilika Block, Khurdha District.	Khairabandha Block- Chilika District-Khurdha <u>Geographical location</u> <ul style="list-style-type: none"> • 19°41'52.4"N 85°11'45.5"E (Start point) • 19° 42' 59.56"N, 85° 11' 41.36" E (Mid point) • 19° 42'20.37"N, 85° 11' 36.14" E (Mid point) • 19°43'40.1"N 85°12'25.3"E (End point) 	3.300 km	CRZ-III (A) Map no.74E/2/NE; Sheet no-16 (As per the CRZ map Prepared by ORSAC and sponsored by F & E Dept., Govt of Odisha)	Para 3 (i) (a), Para 4 (f) & Para 8(i) III (A) (j) of CRZ notification-2011	Rs. 603.50 Lakhs	The existing saline embankments, constructed to protect the coastal villages/ area, are not in proper section. Saline gherry from Kharibandha to Chandraput via Barkul embankment having existing top width of 2.50 m and side slope of 1:1.5 with a free board of 0.60m, due to 'Phailin' and incessant rains the embankment was eroded, washed out completely due to overtopping and tidal effect of Chilika water. Hence, accordingly the TBL has been kept at RL 4.00m (i.e. 1.40m above the HHTL of 2.60m)	
9	Restoration of existing Khairinashi saline Embankment from RD 0.00 km to 5.654 km in Mahakalapada Block, Kendrapada District.	At- Khairinashi Block- Mohakalapada District- Kendrapada <u>Geographical location</u> <ul style="list-style-type: none"> • 20°21'10.394"N 86°41'37.865"E (Starting) t • 20°21'20.318"N 86°42'47.484"E (Midpoint) • 20°22'43.376"N 86°43'5.008"E (Ending) 	5.654 km	CRZ-III (A) Map no. 73L/11/NE and 73L/11/SE Sheet no-49 &45 (As per the CRZ map Prepared by ORSAC and sponsored by F & E	Para 3 (i) (a), Para 4 (f) & Para 8(i) III (A) (j) of CRZ notification-2011	Rs. 1020.00 Lakhs	The existing saline embankments, constructed to protect the coastal villages/ area, are having top elevation of about 3.0 m to 4.0m.	

				Dept., Govt of Odisha)				
10	Restoration of existing Sunity saline Embankment from RD 5.080 km to 9.100 km in Mahakalapada Block, Kendrapada District.	At- Sunity Block- Mohakalapada District- Kendrapada <u>Geographical location</u> <ul style="list-style-type: none"> • 20°27'21.768"N 86°43'24.683"E (starting) • 20°28'31.337"N 86°44'11.547"E(midpoint) • 20°28'39.085"N 86°43'29.559"E(EndPoint 	4.02km	CRZ-III (A) Map no. 73L/11/NE Sheet no-49 (As per the CRZ map Prepared by ORSAC and sponsored by F & E Dept., Govt of Odisha)	Para 3 (i) (a), Para 4 (f) & Para 8(i) III (A) (j) of CRZ notification-2011	Rs. 535.97 Lakhs	The existing saline embankments, constructed to protect the coastal villages/ area, are having top elevation of about 3.0 m to 4.0m.	
11	Restoration of existing Garadpur-Iswardpur saline Embankment from RD 0.00 km to 14.00 km in Rajkanika Block, Kendrapada District.	At- Garadpur-Iswardpur Block- Rajkanika, District – Kendrapada <u>Geographical location</u> <ul style="list-style-type: none"> • 20°43'56.979"N 86°48'7.981"E to • 20°44'23.581"N 86°48'35.477"E • 20°44'17.098"N 86°48'48.666"E • 20°43'3.329"N 86°48'33.688"E • 20°43'8.694"N 86°48'45.983"E • 20°42'50.14"N 86°48'27.206"E 	3.55 km	CRZ-III (A) Map no. 73L/14/NW Sheet no-58 (As per the CRZ map Prepared by ORSAC and sponsored by F & E Dept., Govt of Odisha)	Para 3 (i) (a), Para 4 (f) & Para 8(i) III (A) (j) of CRZ notification-2011	Rs. 1115.00 Lakhs	The existing saline embankments, constructed to protect the coastal villages/ area, are having top elevation of about 3.0 m to 4.0m.	
12	Restoration of	At-Gualigaon in Block –	0.372km	CRZ-III (A)	Para 3 (i) (a),	Rs. 385.00	The	

existing bank protection work (adjacent to road) from RD 0.240 km to 0.612 km at Gualigaon in Rajkanika Block, Kendrapada District.	Rajkanika Distriuct-Kendrapada <u>Geographical location</u> <ul style="list-style-type: none"> 20°45'50.475"N 86°43'56.832"E 20°45'59.551" 86°44'4.969"E N 	Map no. 73L/9/SE Sheet no-62(As per the CRZ map Prepared by ORSAC and sponsored by F & E Dept., Govt of Odisha)	Para 4 (f) & Para 8(i) III (A) (j) of CRZ notification-2011	Lakhs	existing saline embankments, constructed to protect the coastal villeges/ area, are having top elevation of about 3.0 m to 4.0m.
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Design details of Embankments (height)

Sl. No.	Proposed Title for CRZ Clearance	Block Name	Division Name	Existing TBL (Average) in meters	Proposed TBL (Average) in meters	Observed Surge level in meters	Free board in meters	Increase in height (average) in meters
1	2	3	4	5	6	7	8	9
1	Restoration of existing Paikerapur saline gherry from RD 00 km to 12.80km in Krushnaprasad Block, Puri District	Krushnaprasad Block	Puri	3.36	4.00	2.80	1.20	0.64
2	Restoration of existing Titipo saline gherry from RD 00 km to 7.10 km in Krushnaprasad Block, Puri District	Krushnaprasad Block	Puri	2.74	4.00	2.80	1.20	1.26
3	Restoration of existing Nuapada Saline Gherry from RD 00 km to 4.80 km in Krushnaprasad Block, Puri District	Krushnaprasad Block	Puri	2.88	4.00	2.80	1.20	1.12

4	Restoration of existing Krushanaprasaad saline gherry from RD 5.80 km to 30.27 km in Krushnaprasad Block, Puri District	Krushnaprasad Block	Puri	2.80	4.00	2.80	1.20	1.20
5	Restoration of existing Jharlang - Belanga Saline Embankment from RD22.00 km to 29.10 km in Astaranga Block, Puri District	Astaranga Block	Nimapara	2.80	5.20	4.00	1.20	2.40
6	Restoration of existing Serei-Bandala Saline Embankment from RD 00 km to 3.50 km in Astaranga Block, Puri District	Astaranga Block	Nimapara	2.05	5.20	4.00	1.20	3.15
7	Restoration of existing Saline Gherry Block - III RD 1.80 km to 7.80 km at Bhusandpur in Tangi Block, Khurdha District	Tangi Block	Khurdha	2.19	3.20	2.00	1.20	1.01
8	Restoration of existing Saline Gherry from Khairabandha to Chandraput in Chilika Block, Khurdha District	Chilika Block	Khurdha	1.74	4.00	2.80	1.20	2.26
9	Restoration of existing Khairinashi Saline Embankment from RD0.00 km to 5.654 km in Mahakalapada Block, Kendrapada District	Mahakalapada Block	Aul	2.80	5.00	3.80	1.20	2.20
10	Restoration of existing Sunity Saline Embankment from RD 5.080 km to 9.100 km in Mahakalapada Block, Kendrapada District	Mahakalapada Block	Aul	2.80	5.00	3.80	1.20	2.20
11	Restoration of existing Garadpur - Iswarpur Saline Embankment from RD 0.00 km to 14.00 km in Rajkanika Block, Kendrapada District	Rajkanika Block	Aul	3.08	4.50	3.30	1.20	1.42

12	*Restoration of existing bank protection work (adjasent to road) from RD 0.240 km to 0.612 km at Gualigaon in Rajkanika Block, Kendrapada District	Rajkanika Block	Aul	3.84	3.84	3.30	0.50	N.A
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Note: * - Bank Protection only no raising of embankment; N.A - Not applicable

The proposed projects are permissible **under 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 and

Para 4 (f) “construction and operation for ports and harbours, jetties, wharves, quays, slipways, ship construction yards, breakwaters, groynes, **erosion control measures**” of CRZ Notification, 2011

Para 8(i) III (A) (j) “ construction of dispensaries, schools, public rain shelter, community toilets, bridges, **roads**, provision for facilities for water supply, drainage, sewerage, crematoria, cemeteries and electric substation which are required for the local inhabitants may be permitted on a case to case basis by CZMA”

The project does not attract Environment Clearance under the provision of EIA Notification, 2006.

The proponent has submitted the following documents/maps in respect of the project.

- Form-I (Annexure-IV of CRZ Notification,2011)
- Environmental Impact Assessment study form.
- Rapid Environmental Impact Assessment study Report.
- Environmental Management Plan.
- Disaster Management Plan.
- Land schedule, land particulars & lay out plan.
- CRZ Map prepared by ORSAC and sponsored by F &E Dept. Govt. of Odisha.

Odisha Coastal Zone Management Authority may discuss the proposals and if considered, may grant clearance on CRZ angle under CRZ Notification, 2011.

E. Others

A. Half yearly compliance report

As per the CRZ Notification 2011 Para 4.2 (v) for post clearance monitoring:

(a) It shall be mandatory for the project proponent to submit half yearly compliance reports in respect of the stipulated terms and conditions of the environmental clearance in hard and soft copies to the regulatory authorities on 1st June and 31st December of each calendar year.

Total of 68 project proposals were accorded CRZ Clearance from OCZMA as per CRZ Notification, 2011 (from 16th OCZMA meeting to 21st OCZMA meeting). As the project proponents have not submitted the compliance report at their own, OCZMA issued the reminders to the project proponents to submit the compliance report.

1. OSDMA has submitted the compliance report of 14 Projects
2. The Divisional Forest Officer, Berhampur division has submitted 4 project proposals.

The project proposals recommended to MoEF, have submitted their compliance report as:

1. Construction of Single Point Monitoring System and laying of crude oil transfer offshore and onshore pipelines from SPM to tank farm of Paradeep-Haldia-Baruni pipeline (PHBPL) at Paradip
2. Sea water intake and brine discharge from 1.2 MGD, desalination plant for 400000 TPA Rebar mill and 55000 TPA Ferro Chrome Plant at Gopalpur, Ganjam
3. Mechanisation of CQ-3 berth at Paradip Port and conveyor corridor from Essar Steel Plant to CQ-3 berth Paradip.

B. CRZ violation issues:

1. Reminder communicated to the Collector/District Magistrate
2. Notes on the alleged violation issues

C. Decision on levy of scrutiny/processing fee on project proposals located beyond CRZ area

Additional Agenda notes for the 24th meeting of the Odisha Coastal Zone Management Authority (OCZMA) scheduled on 12.11.2014 at 4.00 PM

Fresh proposals

6. Construction of office building, (Ministerial Staff Training Unit) MSTU, Guest House, 42 Bedded Hostel and staff Quarters at Penthokata, in Puri district by Income Tax Department, Puri

The Dy. Commissioner of Income Tax (PR & W) has submitted a proposal for “Construction of office building, (Ministerial Staff Training Unit) MSTU, Guest House, Hostel and staff Quarters at Penthokata, in Puri district” by Income Tax Department, Puri.

The main objective of the project is to have own house for the Central Government Income tax Regional office to cater the need of the locality, streamline training programme for empowerment of ministerial staff and to provide campus accommodation for office staff for more effective planning and management of office work of the department.

The total area acquired for the project is 2.00 Ac. of Patita kissam lands coming under Khata no. 91/3 and Plot no.-50/307 in Balukhand Mauza of Puri District. The location of the project is coming under CRZ-II area (Sheet No. 26, Map No. CZMP.74E/2/NE).

The total cost of the project is Rs. 14.24 Crores & the funding source is Income Tax Department. The implementing agency is Income Tax Department through Central Public Works Department.

The project envisages setting up of an Office Building, Hostel Building for Trainees, Guest House & TYPE-II, III & IV quarters for the staff. The total plot area of the project is 8094 sq.mt. Project will cover about 22% of the plot. For the greenbelt development 1830 sq. m and for parking 898 sq.mt areas will be used. The ground coverage of the project will be 1688 sq.mt.

The solid waste generated during operational phase will be handed over to an authorised solid waste collection agency/ Municipality collection system. The liquid effluent generated will be stored in a septic tank and ultimately drain it to the nearest Municipality sewerage system. The project proponent has assessed the environmental impact assessment (through of environmental assessment checklist, impact identification matrix, impact prediction matrix etc.) of the project and incorporated the Environmental Management Plan for mitigation/minimize of the impact. It includes both during construction as well as operation phase. The important Environmental Management Plan includes air quality management, water quality management, noise/ vibration management as well as waste water treatment and reuse management with landscape & plantation management, which will be appended in to the relevant Bid documents with instruction to the contractor during development of the structure.

The project proponent has prepared a disaster management report indicating the risk assessment and design parameters to withstand such multi hazard risks to maintain structural stability. A disaster management plan being developed to face and mitigate such eventualities.

The activity is permissible under the Para 8 (i) (II) CRZ-II (i) of CRZ Notification, 2011, “buildings shall be permitted only on the landward side of the existing road or on the landward side of the authorised structures” and also under following Para 8 (i) (II) CRZ- II (ii) of CRZ Notification, 2011, “buildings permitted on the landward side of the existing and proposed roads or existing authorised structures shall be subject to the existing local town and country planning regulations including the ‘existing’ norms of Floor Space Index or Floor Area Ratio: Provided that no permission for construction of buildings shall be given on landward side of any new roads which are constructed on the seaward side of an existing road.”

The project does not attract Environment Clearance under EIA Notification, 2006.

The proponent has submitted the following documents/maps in respect of the project.

- Form-I as per the CRZ Notification, 2011(Annexure-IV)
- Environmental Impact Assessment study (EIA) and Environmental Management Plan (EMP).
- Disaster Management Report, Risk Assessment and Management Plan.
- CRZ Map (1:25,000 scale prepared by ORSAC & Sponsored by F& E Dept. Govt. of Odisha).
- Questioners for Environmental Appraisal.
- Soil testing report
- Drawings and designs of the project proposal.
- NoC from SPCB
- Scrutiny fees (Rs. 1,00,000)

OCZMA may discuss the proposals and if considered, may grant CRZ clearance to the aforesaid projects under CRZ Notification, 2011