

Agenda notes for the 25th meeting of the Odisha Coastal Zone Management Authority (OCZMA) scheduled on 21.07.2015 at 10.30AM.

A. Confirmation of the minutes of the 24th meeting of OCZMA.

No response in respect of the minutes of the 24th meeting of OCZMA has been received; hence the minutes may be treated as confirmed.

B. Compliance of the 24th meeting of Odisha Coastal Zone Management Authority (OCZMA) held on 12.11.2014.

| Sl. No. | Project / Project Proponent | Decision taken | Compliance |
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| B.1 | Reconstruction of Housing Project at Markandi village in Ganjam district under Odisha Disaster Recovery Project (ODRP) by Odisha State Disaster Management Authority (OSDMA) | It was decided to grant CRZ clearance to the proposed project. | The CRZ clearance order was issued to the project proponent vide Letter No.-207/OCZMA Dt. 04.12.2014 |
| B.2 | Reconstruction of Housing Project at Patisunapur village in Ganjam district under Odisha Disaster Recovery Project (ODRP) by Odisha State Disaster Management Authority (OSDMA) | It was decided to grant CRZ clearance to the proposed project. | The CRZ clearance order was issued to the project proponent vide Letter No.-205/OCZMA Dt. 03.12.2014 |
| B.3 | Construction of Hotel at Puri for Peerless Hotels Ltd. | Deferred | |
| B.4 | Construction of an Offshore Breakwater at Paradip Port by Paradip Port Trust | The Authority decided that, the project proponent is required to furnish a report to the Secretariat of OCZMA on the following issues within two weeks time for consideration of the Sub-Committee of the Authority; | The decision of the committee was communicated to the project proponent vide Letter No.210 Dt. 08.12.2014. Accordingly, the project proponent submitted compliance report on the issues raised by the Authority vide letter No. CE/DC/ACCTS-08/13/210 dt. 05-02.15. The compliance report was submitted to the sub- |

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| | | <ol style="list-style-type: none"> 1. Possible impact on the Olive Ridley and other marine organisms around the project area both during construction and operation phase. 2. Impact of excavation/construction/dredging on both flora and fauna at the project site. 3. Waste disposal plan 4. Modelling study to assess the possible impact on shoreline stability (coastal erosion) near the project area. | committee and it submitted the report with suggestion to the Member secretary dt. 09.06.2015. |
| B.5 | 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) | It was decided to recommend the proposal to MoEF, Govt. of India. | The proposal was sent to MoEF, Govt. of India vide letter no.203/OCZMA dt. 03.12.2014. |
| B.6 | 120 MW Thermal Power Plant at village Sri Ramchandrapur, District Ganjam in Odisha by M/s Dr. Ramakrishna Prasad Pvt. Ltd. | The Authority decided to issue a certificate to the proponent mentioning that the project site is beyond the CRZ area. | The project proponent was communicated vide Letter No.- 201/OCZMA Dt. 03.12.2014 |

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| B.7 | Restoration of saline embankments and gherries damaged during the cyclone Phailin by Water Resource Dept. Govt. of Odisha. | 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.- 197/OCZMA, dt. 03.12.2014 |
| B.7.1 | Restoration of existing Paikerapur saline gherry from RD 00 KM to 12.8 km in Krushnaprasad Block, Puri District | | |
| B.7.2 | Restoration of existing Titipo saline gherry from RD 00 KM to 7.10 km in Krushnaprasad Block, Puri District. | | |
| B.7.3 | Restoration of existing Nuapada saline gherry from RD 00 KM to 4.80 km in Krushnaprasad Block, Puri District. | | |
| B.7.4 | Restoration of existing Krushnaprasad saline gherry from RD 5.80 KM to 30.27 km in Krushnaprasad Block, Puri District. | | |
| B.7.5 | Restoration of existing Jharlang-Belanga saline Embankment from RD 22.00 KM to 29.10 km in Astaranga Block, Puri District. | | |
| B.7.6 | Restoration of existing Serei-Bandala saline Embankment from RD 00 KM to 3.50 km in Astaranga Block, Puri District. | | |

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| B.7.7 | Restoration of existing saline gherry Block-III RD 1.80 km to 7.80 km at Bhusandpur in Tangi Block, Khurdha District. | | |
| B.7.8 | Restoration of existing saline gherry from Khairabandha to Chandraput in Chilika Block, Khurdha District. | | |
| B.7.9 | Restoration of existing Khairinashi saline Embankment from RD 0.00 km to 5.654 km in Mahakalapada Block, Kendrapada District. | | |
| B.7.10 | Restoration of existing Sunity saline Embankment from RD 5.080 km to 9.100 km in Mahakalapada Block, Kendrapada District. | | |
| B.7.11 | Restoration of existing Garadpur-Iswarpur saline Embankment from RD 0.00 km to 14.00 km in Rajkanika Block, Kendrapada District. | | |
| B.7.12 | Restoration of existing bank protection work (adjacent to road) from RD 0.240 km to 0.612 km at Gualigaon in Rajkanika Block, Kendrapada District. | | |

OTHERS

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| 1 | Status of Half yearly compliance report of the project accorded CRZ Clearance | The Senior Scientist F&E, Dept. Govt of Odisha & Ecologist, ICZMP examine the reports submitted by the project proponent. | <p>As such no report received from proponents as Para 4 (v) (a) of CRZ Notification, 2011. After communication (27.08.2014) for 68 projects (from 16th to 21st OCZMA meeting), DFO, Berhampur submitted compliance twice for 3 proposals dt. 12.09.2014 & 02.04.2015 and OSDMA submitted compliance for 14 proposals dt.15.09.2014.</p> <p>The Senior Scientist F&E, Dept. Govt of Odisha & Ecologist, ICZMP reported that specific period of compliance report is not mentioned & DFO, Berhampur has not included compliance for general conditions and OSDMA has not submitted reports for other proposals.</p> <p>Decision may be taken to take the steps for those proposals for which no compliance received so far.</p> <p>Further 10 communication (proposals of 22nd OCZMA meeting) was made for the proposals (07.04.2015) awarded CRZ clearance and due for submitting half yearly compliance report.</p> <p>It is also learnt that PKDA is moving to the apex court against the above judgement. Under the above scenario, it is suggested to wait till the final decision comes from the apex court and then to take steps to prepare list of violation for further action in this regard</p> |
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| 2 | CRZ violation issues | <ul style="list-style-type: none"> • Reminder communication to the District Magistrates • Note on the alleged violation issue • DO letters to the RDCs & In-house mechanism for verifying the violations | <p>Initially, Dept. F&E has communicated to the Collector, Puri regarding 316 unauthorised cases in CRZ area of Puri on 04.12.2013 & 21.1.2014 & from the Principal Secretary Dt. 24.02.2014. The Puri District Administration filed 17 no of cases before the SDJM, Puri and intimated the Dept. on 02.12.2014.</p> <p>OCZMA communicated reminders to the Collectors & District Magistrates of 6 coastal districts, (63 cases) on 5.02.2014, 09.04.2014 & 17.07.2014 to cause an inquiry and submit action taken report on the alleged violation/illegal construction in CRZ area. Attached as Annexure-I.</p> <p>Further steps may be considered after the situation is settled basing on the judgement of the High court & subsequent apex court judgement.</p> <p>Note submitted on violation issues from Puri (Annexure-II) (from the list of above 63 violation cases). In the present scenario as mentioned below, we should wait till the decision comes from the Apex court.</p> <p>As per the Judgement of the Honb'le Odisha High Court, Cuttack (OJC No.2861 of 2000 & Judgement dt. 20.2.15 & its review petition judgement dt. 15.5.15.), PKDA is to function under the Odisha Coastal Zone Management Authority & to work as per the provision of CRZ Notification, 1991 & 2011 & directed that it is to be governed by rule 531 & rule 534-B of the Municipal Rule 1953 regarding the norms FSI & FAR for building in the CRZ_II area. However, approval was accorded by PKDA contrary to the above. The court held that PKDA is to act strictly in terms of Municipality Acts, 1950 & Municipality rules 1953 and in strict terms of CRZ notifications. Hence PKDA is to verify all previous violation cases under above rules and to prepare a fresh list for violation cases for consideration of necessary steps.</p> |
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| 3 | Levy of scrutiny fee /processing fee on project proposals located beyond CRZ area. | Decision was taken that as no fee structure was there for projects beyond CRZ area (Resolution of F & E Dept, Govt. of Odisha dt. 29.11.2004) for non applicability of CRZ regulations as required by the local development and other authorities, the Chairman, in anticipation of approval has levied a miscellaneous processing fee of Rs. 25,000/= for projects beyond CRZ area seeking NOC. The Authority ratified this action and recommended that Government may be requested to consider imposing miscellaneous processing fee of Rs. 25,000/= for projects seeking NOC not involving CRZ clearance/ recommendation for clearance from the Authority. | Step have been initiated in this regard |
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C. PREVIOUS PROPOSALS

C.1. CRZ Clearance for Construction of an Offshore Breakwater at Paradip Port by ParadipPort Trust.

A project proposal for “**Construction of an Offshore Breakwater at Paradip Port**” by Pradip Port Trust intending 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 on dredging of the sand trap areas can be carried out by the port at any time of the year. The proposal was placed initially before the OCZMA for consideration in its 24st meeting held on 12.11.2014.

The committee reviewed the documents submitted by Paradip Port Trust. The members of the committee found gaps and inadequacies in following aspects in the EIA Report as well as in Disaster Management Plan:

1. Detail study on Olive Ridley sea turtle and impact of the project on them and possible mitigation plan.

2. Relevant Modelling study regarding the impact on coastal erosion and shoreline stability.
3. Use of specific technology on break water construction to minimise the adverse impact on air & water environment and aquatic life of that area.
4. Method of waste disposal to minimize pollution
5. Specific design criteria to withstand the impact of severe disasters.
6. Proper study on biodiversity, impact of the proposed project on them and adequate protection measures.

The Authority deliberated on various issues and decided to form a Sub-committee comprising of the following members:

- a) Chief Executive, Chilika Development Authority
- b) Principal Chief Conservator of Forest (WL) & Chief Wild Life Warden, Odisha
- c) Chief Executive, ORSAC
- d) Head of the Department, Marine Science Dept. Berhampur University
- e) Senior Scientist (E & E), Forest & Environment Dept., Govt. of Odisha

The Sub-committee will visit the site and may decide further studies to be undertaken by the project proponent. The project proponent is required to furnish a report on the following issues within one month time:

1. Possible impact on the Olive Ridley and other marine organisms around the project area both during construction and operation phase.
2. Excavation/construction /dredging impact on both flora and fauna at the project site.
3. Waste disposal plan
4. Modelling study to assess the possible impact on shoreline stability (coastal erosion) near the project area.

The Authority will examine all the reports during next meeting and take a decision.

In response to the communication of the Member Secretary, OCZMA to the project proponent to furnish additional information on above issues, the Chief Engineer PPT submitted a report regarding the concerned issues. The sub-committee went through the proposal and the additional information provided by the project proponent and based on the detail analysis, following suggestions are made by the committee:

- (i) Possible impact on the Olive Ridley and other marine organism around the project area both during construction and operation phase of the proposed Breakwater and dredging.**

Suggestion:

- a. The sub-committee is of the opinion that project proponent may be asked to make necessary provisions for the protection and conservation of Olive Ridley sea turtle and mangrove forests in and around Paradip Port. It is proposed by the sub-committee that Paradip Port Trust may be asked to provide one Sea Worthy vessel with engine capacity

of 250 HP and above, one mechanised (Tapa) boat for offshore patrolling, equipped with navigational and safety equipments along with crew, POL, three Night vision Binoculars each of minimum one Km. range each to Divisional Forest Officer, Rajnagar Wildlife Division for 10 years.

- b. The project proponent be asked to use special light at port area which should not reflect into coastal water (the special light manufactured for the purpose and used by Dhamara Port is recommended).

(ii) Impact of excavation / construction / dredging on both flora and fauna at the project site.

Suggestion:

The sub-committee is of the opinion that the project proponent has not clearly mentioned the mitigation measures based on the EIA study for the impacts on the fauna and micro fauna. The project proponent has suggested mitigation measures during the dredging phase but is silent about the EMP during construction & operation phase of the breakwater.

Looking at the volume of dredging, the committee is of the opinion that project proponent may be asked to make necessary provisions for periodic monitoring of the macro / micro benthos community, from fixed locations preferably during three seasons i.e. summer, post monsoon & winter, at representative locations inside and outside the port operation area.

(iii) Winter Disposal Plan

Suggestion:

The sub-committee observed that the data on mode of construction material transport for construction of offshore breakwater is not mentioned in the project proposal. Besides, construction material handling plan is not indicated in the EIA. Moreover, the PEA has not mentioned the quantity of excavation required for the construction of the breakwater and the disposal plan. Detail layout plan of excavation and amount of sediment expected to be lost during the process to the sea is not indicated. It is required to estimate the quantity of sediment expected to be lost to the sea and the magnitude of turbidity it can cause. Accordingly, the mitigation measures to be suggested. The project proponent should be asked to provide proper dredge disposal plan.

(iv) Modelling study to assess the possible impact on shoreline stability (coastal erosion) near the project area.

Suggestion:

The sub-committee observed that the model study carried out by CWPRS was way back in 2006. However, CWPRS in their model study at that point of time did not take in to consideration the impact of the proposed breakwater of 1600 mtr. on the coastal geomorphology of the coastal stretch likely to be impacted.

The sub-committee further observed that the basis on which the project proponent estimated the volume of sand by passing to mitigate the impact of the breakwater on the northern side of the breakwater is not forthcoming from the proposal.

The sub-committee felt that there is no need for undertaking a field visit at this stage and the observations made by the sub-committee may be considered while considering the proposal. The location of the project is coming under CRZ-IV A area i.e 1000m away in the sea from the shoreline (CRZ Map in 1:4000 prepared by NIO, Goa). The total cost of the project is Rs. 392 Crores.

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.;

And Para 4 (i) (f) "construction and operation for ports and harbours, jetties, wharves, quays, slipways, ship construction yards, **breakwaters**, groynes and erosion control measures.

The present cargo handling capacity of Paradeep Port is 108.5 MMTPA. As per the EIA Notification, 2006 and its subsequent amendment, the present project falls in Category "A" under schedule 7 (e) and requires prior environmental clearance from MoEF & CC, Govt. of India. As MoEF& CC has suggested submitting the recommendation of the SCZMA on expansion proposals, in their additional ToR, OCZMA need to communicate such recommendation to the MoEF& CC, Govt. of India.

OCZMA may discuss the proposal and if consider recommending, the proposal may be communicated for grant of CRZ clearance from MoEF & CC, GoI under CRZ Notification, 2011.

C.2. 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 for CRZ clearance. 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 for livelihood support of 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 of Puri (Sheet No. 26, Map No. CZMP.74E/2/NE) & the geographical location of the project is 19° 47' 11.33"N to 85° 47' 33.07".The total cost of the project is Rs. 26.5 Cr.

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 5819.267 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 9 m. 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 tons/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 (EMP) 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 (Hon'ble High Court orders dt. 24. 1.12).

The guidelines 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. Hence OCZMA need to recommend the project proposal to MoEF & CC for CRZ clearance.

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.
- CRZ map in 1:4000 scale indicating HTL, LTL and CRZ zones, prepared by Institute of Remote Sensing Anna University, Chennai,
- Orissa High Court Judgement (dt. 24. 1.12).

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

C.3. CRZ Clearance for Reconstruction of holiday home cum guest house at Sipasurubuli Mouza, Puri by M/s Prabhukrupa Estates and Properties, Bhubaneswar.

M/s. Prabhukrupa Estates and Properties, Bhubaneswar has lately submitted OCZMA a proposal "Reconstruction of Holiday Home-cum- Guest House", at SipasurubuliMouza, Puri for consideration of CRZ clearance in its 24th meeting held on 12.11.2014. Hence, the proposal was deferred to the next meeting.

The objective of the proposed project is to provide affordable housing solutions for the holy city of Puri. The project offers fully furnished condos that are fitted with most things available at the average home. The proposed Holiday Homes can be used as accommodation for families that need to "live" rather than "stay" as they would in a hotel. These homes allow occupants to do everything they would be at home, such as cleaning, washing and cooking.

The total area acquired/ purchased for the project is 0.6097 Ac. (26558.50 sq feet), coming under Khata no. 30 and Plot no.-360/ 428 (Part), Sub-Plot No. 136,137,138,139,140,141,142,143,149 & 150 in Sipasurubuli Mauza of Puri District.

The location of the project is coming under CRZ-II area of Puri (Sheet No. 26, Map No. CZMP.74E/2/NE in 1:25, 000 scales, prepared by ORSAC and sponsored by F & E, Govt. of Odisha as per the existing CZMP, Odisha). The total cost of the project is Rs. 26, 87, 85,000 lakhs.

The proposed structure is a reconstruction of authorised building constructed with the approval of PKDA, vide letter Nos. 368 dt 09.02.2007 and 1370/ PKDA dt. 01.05.2007. As per the approval of PKDA, construction of Basement+G+2 upper floors Holiday home-cum-Guest House in principle with specific permission to construct basement+ ground floor + one upper floor initially. On completion of the structure of the above building as per approved plan without deviation, permission for construction of second floor shall be granted was mentioned for both the cases.

However, the project proponent submitted a proposal for construction of Basement, Ground Floor and 7 upper floors having plinth area of 19910 sq ft, ground coverage of 75% and total built up area including Basement of 179190 sq ft within the plot area of 26558 sq feet. This proposal is in agreement with the existing (as it was on 19.02.1991) town planning rules (rule 531 & rule 534-B of the Municipal Rule 1953 regarding the norms FSI & FAR for building in the CRZ_II area) as per the judgment of the Hon'ble High Court Orissa, Cuttack dt. 20.02.2015 rendered in O J C No. 2816 of 2000). The proposed activity is to be taken up for a period of 24 months. The requirement of water during operational phase will be met from the ground water. Necessary permission for ground water is being obtained from Rural Water Supply and Sanitation (RWSS) Division, Puri for the project area.

The proposed structure will be a reconstruction of authorised building (Holiday Home-cum-Guest House approved by PKDA vide letter no. 368 dt. 09.02.2007 and no. 1370/PKDA dt. 01.05.2007). As these two plots are adjacent to each other, the proponent will built the proposed structure as per the existing town planning rules confirmed by the judgment of the Honb'le High Court Orissa, Cuttack dt. 20.02.2015 rendered in O J C No. 2816 of 2000, I,e. within the limit of B+G+ 7 floor and 75% ground coverage (the existing Town Planning Rules as on 19.02.1991).

The quantity of solid waste expected to be generated during operational phase will be handed over to an authorised solid waste collection agency. The liquid effluent generated will be treated by STP and treated water will be reused for toilet flush and green belt management. The project proponent has assessed the environmental impact assessment (through the environmental assessment checklist, impact identification matrix, impact prediction matrix etc.) of the project and incorporated the Environmental Management Plan (EMP) for mitigation/minimize of the impact. It includes both during construction as well as operation phase. The important Environmental Management Plan (EMP) 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 incidents normally occurring inPuri.

The project proponent has indicated that the proposed activity is permissible under:

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 **existing authorized structures**”.

Para 8 (i) (II) CRZ-II (iii) of CRZ Notification, 2011, “reconstruction of authorised building to be permitted subject with the existing floor space index or floor area ratio norms and without change in present use”.

The project proponent has enclosed the judicial report regarding the justification of the existing road before 1991 between Hans Co-Co Palm & Sterling Resort (Hon’ble High Court orders dt. 24. 1.12).

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.
- Drawings and designs of the project proposal.
- Scrutiny fees (Rs. 1,00,000)
- Permission given for constructions (for existing structure) by PKDA dt. 2007 & Special resolution of Govt. of Odisha dt. 26.9.2000
- Google map, interim Development Plan, Orissa Municipal Rules, 1953
- Hon’ble High Court orders dt. 20.2.15, 15.5.15 and 24. 1.12
- Govt. of India Gazette Notification dt. 4.2.15
- NOCs: OSPCB and RWSS Division, PURI

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

D. RESUBMITTED PROPOSALS

D.1. Reconstruction housing project at Agastinuagaon, Block-Chhatrapur, District- Ganjam Odisha Disaster Recovery Project (ODRP) by Odisha State Disaster Management Authority (OSDMA).

The project was submitted by OSDMA 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 is located in CRZ-III (A) i.e. No Development Zone (NDZ) area under CRZ Notification, 2011. The project proponent is being suggested to submit a comprehensive plan in consultation with the traditional coastal community including fisher folk and incorporating the necessary disaster management provision, sanitation for recommendation from OCZMA for consideration of approval by MoEF under the provision of CRZ Notification, 2011 for CRZ-

III (A) area or may suitably change the site. Considering the suggestion of OCZMA, the project proponent has resubmitted the above proposal for CRZ clearance with change of project site from CRZ-III (A) to CRZ-III (B) area located in the same village.

The objective of the project is to recover the locals from the severe damage of cyclone Phailin. Thus 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 up dated to Rs. 18.66 Cr and is funded by World Bank & Govt. of Odisha.

The resubmitted project area is located in Agastinuagaon village, Chhatrapur Block in Ganjam district. The location of the project site 19⁰ 21' 24.20"N & 85⁰ 02' 24.36"E. The project site is located in CRZ-III (B) area (as indicated in CRZ Map NO. 74E/03/SW Sheet No.8 in 1:25,000 scales prepared by ORSAC & sponsored by Dept. of F & E, Govt. of Odisha). The land acquired for this project is 28.744 Ac.

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 622 dwelling unit will be constructed and each unit will be 252 sqft of plinth area and constructed within 1000 sqft 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 and local cultural will be given 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 (i) (e) – “Reconstruction, repair works** of dwelling units of local communities including fishers in accordance with local town and country planning regulations”

Para 4 (i) (c): Housing scheme in CRZ as specified in Para 8 of the notification.

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.

D.2. Change of site for construction of community resilient hoses in Bhamarakudi village, Ganjam Block in Ganjam district under Odisha disaster recovery project (ODRP).

The project proponent has earlier submitted a proposal for “Reconstruction of housing project at **Bhamarakudi**, Block-Ganjam, District Ganjam under Odisha disaster recovery project (ODRP)” vide their letter no. 1811/OSDMA on 08.05.2014 with an objective to provide community housing for the affected coastal communities due to Cyclone Phailin and to reduce the vulnerability of affected villages providing the basic services for safe and dignified living. OCZMA in its 23rd OCZMA meeting held on 02.07.2014 accorded CRZ clearance to the above project vide letter No.127/OCZMA on 06.08.2014 with necessary terms and conditions. However, due to the unsuitability of the land and longer distance from the original habitation, the beneficiaries requested the local administration to change the site. Subsequently, government land of an area of 0.525 Ac. located adjacent to the habitation of the same village has been identified for the project. The new site is situated about 300 m. from the above site (for which CRZ clearance is already being accorded). Both the sites are located in CRZ-III (B) area as per the CRZ map (1:25000 Scale) prepared by ORSAC and sponsored by Department of Forest & Environment Department, Government of Odisha. For the benefit of the beneficiaries, the project proponent has requested OCZMA to consider the change of site within the small village and to accord CRZ clearance for reconstruction of housing project at Bhamarkudi, Block/Dist- Ganjam, under ODRP.

The resubmitted project area is located in Bhamarakudi village, Ganjam Block in Ganjam district. The location of the project site $19^{\circ} 28' 9.19''\text{N}$ & $85^{\circ} 08' 46.9''\text{E}$. The project sites are located in CRZ-III (B) area (as indicated in CRZ Map NO. 74E/03/NW Sheet No.7 in 1:25,000 scales prepared by ORSAC & sponsored by Dept. of F & E, Govt. of Odisha). The land area acquired for this project is 0.525 Ac.

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 4 (i) (c): Housing scheme in CRZ as specified in Para 8 of the notification.

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.

E. FRESH PROPOSALS

E.1. Construction of Multipurpose Flood Shelter at Ekamania, Block-Aul, District Kendrapara under Chief Ministers Relief Fund (CMRF) by OSDMA.

The Chief General Manager, Odisha State Disaster Management Authority, Govt. of Odisha has submitted a proposal "Construction of Multipurpose Flood Shelter at Ekamania, Block-Aul, District- Kendrapara under Chief Ministers Relief Fund (CMRF)" for CRZ clearance.

The proposed activity is to save human lives (1000) and livestock and to ensure their sustenance by providing minimum 2 sqft /person of usable space for safe shelter, electricity, drinking water and sanitation at the time of cyclone and storm surge and also provide temporary protection from monsoon and summer to the vulnerable community. It can be used as the nodal point for receipt and dissemination of cyclone warning and also used for carrying out post disaster response and relief activities and in normal time it can be used as an integrated service delivery centre for immunization programmes, feeding, social, cultural and educational programmes, group meeting of youth, men and women.

The flood shelters will be constructed having 2000 sq ft plinth area with pile foundation and a height of 9m from ground. The shelter will be designed to withstand wind velocity of 300 km/hr. & roof live load of 500 kg/m² as per IS:875. The building will be designed for earthquake resistance. The foundation will be with under reamed pile & pile cap will be below the ground level for free from scouring. All the structures will be RCC framed. The design of the RCC column & beams will be as per IS code 456/2000 considering severe condition. The flood shelter will be provided with minimum 2 toilets for gents and 2 toilets for ladies in addition to 6 urinals. There will be provision for septic tank and for water supply. The cost of the project is Rs. 80 lakhs and is funded by Govt of Odisha under Chief Ministers Relief Fund.

The proposed project is located at village Ekamania, Block-Aul, District Kendrapara over plot no.360, khata No.307. The total area acquired for the proposed project is 0.16 Ac of Govt. land. The geographical location of the project is 200 38' 5.2"N & 860 44' 9.07"E. The proposed project is located in CRZ-III(B) area (as indicated in CRZ Map No. 73L/10/NE Sheet No.57 in 1:25,000 scales prepared by ORSAC & sponsored by Dept. of F & E, Govt. of Odisha).

The activity is permissible under Para 8 CRZ-III (B) (viii) of CRZ Notification, 2011, “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 inhabitant of that area for those panchayats , the major part of which falls within CRZ if no other area is available for construction of such facilities”.

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

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

- Form-I (Annexure-IV)
- Environmental Impact Assessment study report
- Environmental management plan
- Disaster management plan
- Drawings and Design of the structures
- Land schedule and land documents
- Revenue map of the site indicating the project location
- Map : Earthquake zone of Odisha, Wind & Cyclone Zone, Multihazard Map & Google map of the project area
- CRZ Map No. 73L/10/NE Sheet No.57 in 1:25,000 scales prepared by ORSAC & sponsored by Dept. of F & E, Govt. of Odisha).

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

E.2. Construction of Multipurpose Flood Shelter at Badaanla, Block-Krushnaprasad, in Puri District under Chief Ministers Relief Fund (CMRF) by OSDMA.

The Chief General Manager, Odisha State Disaster Management Authority, Govt. of Odisha has submitted a proposal “Construction of Multipurpose Flood Shelter at Badaanla, Block-Krushnaprasad, District Puri under Chief Ministers Relief Fund (CMRF)” for CRZ clearance.

The proposed activity is to save human lives (1000) and livestock and to ensure their sustenance by providing minimum 2 sqft/person of usable space for safe shelter, electricity, drinking water and sanitation at the time of cyclone and storm surge and also provide temporary protection from monsoon and summer to the vulnerable community. It can be used as the nodal point for receipt and dissemination of cyclone warning and also used for carrying out post disaster response and relief activities and in normal time it can be used as an integrated service delivery centre for immunization programmes, feeding, social, cultural and educational programmes, and group meeting of youth, men and women.

The flood shelters will be constructed having 2000 sqft plinth area with pile foundation and a height of 9m from ground. The shelter will be designed to withstand wind velocity of 300 km/hr. & roof live load of 500 kg/m² as per IS:875. The building will be designed for earthquake resistance. The foundation will be with under reamed pile & pile cap will be below

the ground level for free from scouring. All the structures will be RCC framed. The design of the RCC column & beams will be as per IS code 456/2000 considering severe condition. The flood shelter will be provided with minimum 2 toilets for gents and 2 toilets for ladies in addition to 6 urinals. There will be provision for septic tank and for water supply, a tank of capacity 2000 l will be provided. The cost of the project is Rs. 80 lakhs and is funded by Govt of Odisha under Chief Ministers Relief Fund.

The proposed project is located over Plot no. 348, Khata no.281. The total area acquired for the proposed project is 0.23 Ac of Govt. land. The geographical location of the project is 19° 37' 1.5"N & 85° 15' 46.8"E. The proposed project is located in CRZ-III (B) area (as indicated in CRZ Map No. 74E/06/SW Sheet No.11 in 1:25,000 scales prepared by ORSAC & sponsored by Dept. of F & E, Govt. of Odisha).

The activity is permissible under Para 8 CRZ-III (B) (viii) of CRZ Notification, 2011, "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 inhabitant of that area for those panchayats, the major part of which falls within CRZ if no other area is available for construction of such facilities"

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

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

- Form-I (Annexure-IV)
- Environmental Impact Assessment study report
- Environmental management plan
- Disaster management plan
- Drawings and Design of the structures
- Land schedule and land documents
- Revenue map of the site indicating the project location
- Map : Earthquake zone of Odisha, Wind & Cyclone Zone, Multihazard Map & Google map of the project area
- CRZ Map No. 74E/06/SW Sheet No.11 in 1:25,000 scales prepared by ORSAC & sponsored by Dept. of F & E, Govt. of Odisha).

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

E.3. Construction of Multipurpose Cyclone Shelter at Gopalpur, Block-Rangeilunda, in Ganjam District under Chief Ministers Relief Fund (CMRF) by OSDMA.

The Chief General Manager, Odisha State Disaster Management Authority, Govt. of Odisha has submitted a proposal "Construction of Multipurpose Cyclone Shelter at **Gopalpur**, Block-Rangeilunda, in Ganjam District under Chief Ministers Relief Fund (CMRF) for CRZ clearance.

The proposed activity is to save human lives and livestock and to ensure their sustenance by providing minimum 2 sqft/person of usable space for safe shelter, electricity, drinking water and sanitation at the time of cyclone and storm surge and also provide temporary protection from monsoon and summer to the vulnerable community. It can be used as the nodal point for receipt and dissemination of cyclone warning and also used for carrying out post disaster response and relief activities and in normal time it can be used as an integrated service delivery centre for immunization programmes, feeding, social, cultural and educational programmes, and group meeting of youth, men and women.

The flood shelters will be constructed having 2000 sq ft plinth area with pile foundation and a height of 9 m from ground. The shelter will be designed to withstand wind velocity of 300 km/hr & roof live load of 500 kg/m² as per IS:875. The building will be designed for earthquake resistance. The foundation will be with under reamed pile & pile cap will be below the ground level for free from scouring. All the structures will be RCC framed. The design of the RCC column & beams will be as per IS code 456/2000 considering severe condition. The flood shelter will be provided with minimum 2 toilets for gents and 2 toilets for ladies in addition of 6 urinals. There will be provision for septic tank and for water supply a tank of capacity 2000 l will be provided. The cost of the project is Rs. 1.2 Cr and is funded by Govt of Odisha under Chief Ministers Relief Fund.

The proposed project is located over Plot no.348, Khata no.281. The total area acquired for the proposed project is 0.25 Ac of Govt land. The geographical location of the project is 19° 15' 24.3"N & 84° 54' 22.7"E. The proposed project is located in CRZ-II (Gopalpur) area (as indicated in CRZ Map No. 74A/15/SE Sheet No.06 in 1:25,000 scales prepared by ORSAC & sponsored by Dept. of F & E, Govt. of Odisha).

The activity is permissible under Para 8-II (i) "Building shall be permitted only on the landward side of the existing road or on the landward side of the existing Authorised structure" (indicated in the site location, Revenue Map & Google map).

Para 8-II (ii) "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 sea ward side of an existing road".

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

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

- Form-I (Annexure-IV)
- Environmental Impact Assessment study report
- Environmental management plan

- Disaster management plan
- Drawings and Design of the structures
- Land schedule and land documents
- Revenue map of the site indicating the project location
- Map : Earthquake zone of Odisha, Wind & Cyclone Zone, Multi-hazard Map
- Google map of the project area
- CRZ Map No. 74A/15/SE Sheet No.06 in 1:25,000 scales prepared by ORSAC & sponsored by Dept. of F & E, Govt. of Odisha).

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

E.4. Construction of Disaster Resilient Houses at Palibandha under Odisha Disaster Recovery Project (ODRP) by OSDMA.

The Chief General Manager, Odisha State Disaster Management Authority, Govt. of Odisha has submitted a proposal “Reconstruction of housing project at **Palibandha**, Block-Ganjam, and District- Ganjam under Odisha Disaster Recovery Project (ODRP)” for CRZ clearance.

In order 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 by rebuilding the damaged houses including relocation of the community to safer and tenable land. The major social benefit of this project would be fulfilling housing needs of the poor affected household with civic infrastructure and services such as access road, water, sanitation, drainage and street lights. The resilient houses could avoid mortality and injury from disaster and accruing to local community through employment creation. It also ensures safe keeping of essential stocks / items for post disaster usage and provides temporary protection from the monsoon and the summer to the vulnerable communities. The target community which would be benefitted mostly from the project is fisherman community, BPL family and disaster vulnerable family. The total cost of the project is 3.84 Cr, which will be funded by World Bank & Govt of Odisha.

During the selection of site, the Govt. of Odisha has considered a reconstruction-cum-vulnerability reduction programme that includes rebuilding the damage houses including relocation of community to safer and tenable lands in coastal districts of Ganjam, Puri & Khurda.

The project has considered the target group as per the eligibility criteria and the beneficiary identification process for the owner driven housing construction, where the design and construction technology (rain water harvesting & green technologies etc. will adopted where ever possible) approved by experts agencies in the field of construction technologies under the policy guidelines framed for post cyclone Phailin resilient housing of Govt. of Odisha.

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 with the support of district administration. The proposed disaster resistant permanent houses include 128 dwelling units and each dwelling unit will be constructed within 1000 sqft plot area with a plinth area of 252 sq ft. This shall be a pucca house able to withstand hazards like floods and cyclones. 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 proposed project proposal is permissible under CRZ Notification, 2011 as:

Para 3(e) “reconstruction, repair works of dwelling units of local communities including fishers in accordance with local town and country planning regulations”

Para 4 (i) (c) “Housing schemes in CRZ as specified in paragraph 8 of this notification”

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 9mts with two 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 proposed project does not attract Environmental Clearance under EIA Notification, 2006. The proponent has submitted the following documents/maps in respect of the project.

- Form-I (Annexure-IV)
- Environmental Impact Assessment study report
- Environmental management plan
- Disaster management plan
- Drawings and Design Plan
- Land schedule
- Policy guideline of Govt. of Odisha for post cyclone philine resilient Housing.
- Odisha map showing Tsunami prone villages, Wind & Cyclone Zone & Multihazard Map
- CRZ Map No. 74E/03/NW Sheet No.07 in 1:25,000 scales prepared by ORSAC & sponsored by Dept. of F & E, Govt. of Odisha).

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

E.5. Setting up of 5MLD Hybrid Sea Water Desalination Plant at Matikhalo, Chatrapur, Ganjam district Odisha by OSCOM, a unit of Indian Rare Earth Ltd.

The Head, Odisha sand complex (OSCOM), Indian Rare Earth Ltd. has submitted a proposal "Construction of Sea Water Intake Pump House and laying of intake & outfall pipelines (with protecting cables) etc in CRZ area for setting-up 5 MLD Desalination Plant at Orissa Sand complex (OSCOM), IREL, Matikhalo, Dist: Ganjam" for CRZ Clearance. The proposed project is handled jointly by Bhabha Atomic Research Centre (BARC) & Indian Rare Earth Limited (IREL). The project is one of the sanctioned DAE project titled "Field application of indigenous desalination technology in DAE unit (PIC No. XII-I &M-BAR-4.06. The proposed project is to meet the fresh water needs of OSCOM as well as to demonstrate the field application of hybrid desalination technology (SWRO-MED) developed by BARC within the Department of DAE, Govt. of India.

The proposed project covers 6500 m² area (130 m² x 50 m²) to construct the desalination plant within IREL plant boundary. The proposed activity involves setting up of a 5.0 MLD hybrid sea water desalination plant comprising of 4.5 MLD Sea Water Reverse Osmosis Process (SWRO) and 0.5 MLD Multi Effect Distillation process (MED). The proposed hybrid desalination plant will receive the chlorinated sea water at the rate of 950m³/hr by installing sea water intake facilities adjoining to OSCOM, IREL and about 500 m away from the plant site. Out of the 950 m³/hr about 750 m³/hr will be processed through SWRO plant to produce 187.5 m³/hr of potable water and balance 200 m³/hr of sea water will be required at the MED plant to produce 20m³/hr of high quality process water.

The SWRO plant is a two stage RO plant with high efficiency energy recovery device along with membrane based ultra-filtration (UF) pre-treatment system. The raw sea water at a flow rate of 750m³/hr will be taken in to clarifier and pre-treated in the multi grade filter and processed through UF trains. The UF filtrate is forwarded to RO trains by high pressure RO feed pump. A total of 187.5 m³/hr permeate will be produced in this method. The RO permeate having Total Dissolved Solid (TDS) less than 300ppm conforming to IS-10500. The fresh water will be stored in the IREL main ground reservoir of 3000 m³ capacity through interim storage tank after suitable post treatment.

The desalination plant will be constructed within the IRE complex, which is located beyond CRZ area. The pump house, intake and out fall pipeline requires to be constructed within CRZ area. The proposed intake and discharge pipeline covers CRZ-III (A), CRZ-I (B), i.e. intertidal area & CRZ-IV (A) area, the sea. Total length of Intake pipe line is 1723 m i.e. from intake station to desalination plant out of which 1348 m is coming under different zones of CRZ areas. The length of the pipeline covering CRZ III (A) area is 125 m i.e from pump house to

inter tidal zone, 250 m in CRZ- I (B) (inter tidal area) and 598 m in CRZ IV (A) area the sea. In both the CRZ I (B) & IV (A) area, the diameter of the pipe is 900mm.

Total length of Outfall pipe line is 1623 m out of which different zone of CRZ area covering 1248 m. The length of the pipeline passing through different CRZ area i.e. CRZ-III (A) area is 500 m. The length of the pipe line passing through CRZ I (B) inter tidal area is 250 m and in CRZ IV (A) area (sea) is 498 m. The diameter of the outfall pipeline is 500 m throughout the length.

The proposed activity is permissible under CRZ Notification, 2011 as:

Para 3 (i) (c) “Facilities for generating power by non-conventional energy sources and setting up of desalination plants in the areas not classified as CRZ-I (i) based on an impact assessment study including social impacts”

The project proponent has carried out an impact assessment study by engaging MECON India Ltd, Bangalore.

Para 8 (i) (I) (i) (b) “pipelines, conveying systems including transmission lines”

Para 8 (i) (I) (ii) (e) “desalination plants;”

Para 8 (i) (III) (A) (iii) (h) “Foreshore facilities for desalination plants and associated facilities”

The project proponent has carried out an impact assessment study by engaging MECON India Ltd, Bangalore. A study covering 10 km radius from the proposed site was conducted for base line data as well as necessary Environmental management Plan (EMP), which includes various mitigation measures both during construction and operation phase. In general, the proposed project is not expected any significant impact for the surround rather is expected to fulfil water requirement for IRE at Gopalpur.

The project proponent has also carried out a study to prepare a disaster management plan (DMP) by engaging MECON India Ltd, Bangalore. The DMP includes a contingent plan both for normal as well as during natural disasters. It has also provided various safety guidelines for all stakeholders during man made incidences. The project proponent as well as consultant has ensured selection of material/ machineries including pipes and structural stability during disasters.

The project does not attract Environmental Clearance under EIA Notification, 2006. However, it requires clearance from MoEF & CC, Govt. of India, under CRZ Notification, 2011 as:

Para 4 (ii) (d) “laying of pipelines, conveying systems, transmission lines”

Para 4 (ii) (h) “Facilities for generating power by non-conventional energy resources, desalination plants and weather radars;”

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

- Form-I (Annexure-IV)

- Environmental Impact Assessment study report
- Environmental management plan
- Disaster management plan
- Drawings and Design of the structures
- Land schedule and land documents
- Map : Earthquake zone of Odisha, Wind & Cyclone Zone & multihazard Map, Google map
- CRZ Map (in 1:25,000 scales) map prepared by ORSAC & sponsored by F& E Dept. Govt. of Odisha).
- CRZ Map in 1:4000 scales demarcating HTL/LTL/CRZ Zones prepared by one of the MoEF recognised organisation (Institute of Remote Sensing, Anna University, Chennai.)

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

E.6. Pet Coke Evacuation Project for IOCL Paradip Refinery-Odisha –Above ground conveyer belt by Indian Oil Corporation Ltd.

The General Manager (HSE) IOCL, Paradip Refinery Project has submitted a proposal “**Pet Coke Evacuation Project for IOCL Paradip Refinery, Odisha –Above ground conveyer belt**” for CRZ Clearance.

The OCL is in the process to install and commission 15 MMPTA Grassroots refinery at Paradip, Odisha. While refining the Crude, petroleum coke or pet coke is separated as a residue by-product. As per the estimation, IOCL Paradip refinery shall produce about 1.3 million metric tons of pet coke. The pet coke is a high carbon content material and 71% of the total fuel grade pet coke is used as an energy source and remaining portion is used as carbon source. The IOCL proposed to convey the pet coke from south refinery to north refinery by above conveying system by combination of pipe conveyor and troughed conveyor to silo located at Rapid Rail Loading System and from where, the material shall be transported by rail for onward transport. The need and justification of the evacuation of products through the above ground conveying system is a cost effective and environmental friendly means of transport with regard to no release of dust/ particulate to the atmosphere during transport.

No additional/ new land acquisition envisaged in the project. The proposed conveyer belt will be laid within the existing pipe rack and will not interfere with the water body while crossing Santra creek. Civil foundation and structural support shall be provided at the set-back area of Santra creek. Both the Pipe and Troughed belt conveyor shall be erected along with necessary structures to transport above ground, but slope of the conveyor, where applicable, shall not exceed 16°. All conveyors shall be provided with break to regulate the movement under necessary eventuality. For pipe conveyors, the diameter shall be based on the maximum percentage fill up of 75 % at the selected speed.

Total length of the conveyor belt is approximately 4.5 km, out of which it is covering 2045.42 m in CRZ area. In the CRZ area the conveyor belt cover 1820.9 m in the CRZ-I (A) area, 137.17

m in the CRZ-II area & 87.35m in the (Santra Creek) CRZ-IV (B) area. In all above CRZ areas, it is neither touching the land nor the water body (the creek).

The project proponent has carried out an EIA study by engaging Bhagabathi Ana Labs Private Limited, Hyderabad. The study reported the environmental setting around the site as base line status. It is also estimated the anticipated environmental impact both during construction and operation phase, and its mitigation measures through an effective EMP. The environmental monitoring Plan was also formulated on selective monitoring parameters for both construction and operation phase. In general, the proposed project is not expected any significant impact for the surrounding.

The consultant has also carried out a study to prepare a Risk assessment and Disaster Management Plan (DMP) basing on past accidents and incidence of natural disasters. The DMP includes a contingent plan both for accident as well as during natural disasters. It has also provided various safety guidelines as well as emergency plan. The project proponent has ensured selection of material/ machineries including conveyor belt and structural stability during disasters.

The total cost of the project is Rs. 283.5 Cr.

The activity is Permissible under CRZ Notification, 2011 as per:

Para -3(ii) (b) “facilities for receipt and storage of **petroleum products** and liquefied natural gas as specified in Annexure-II appended to this notification and facilities for re-gasification of Liquefied Natural Gas (hereinafter referred to as the LNG) in the areas not classified as CRZ-I(i) subject to implementation of safety regulations including guidelines issued by the Oil Industry Safety Directorate in the Ministry of Petroleum and Natural Gas and guidelines issued by MoEF and subject to further terms and conditions for implementation of ameliorative and restorative measures in relation to environment as may be stipulated by in MoEF &CC. Provided that facilities for receipt and storage of fertilizers and raw materials required for manufacture of fertilizers like ammonia, phosphoric acid, sulphur, sulphuric acid, nitric acid and the like, shall be permitted within the said zone in the areas not classified as CRZ-I(i)”.

Para 4-(ii) (d) “laying of pipelines, **conveying systems**, transmission line.”

Para 8-(i) CRZ- I. (i) (b) “pipelines, **conveying systems** including transmission lines”

Para 8-(i) CRZ-II. (iv) “**Facilities for receipt and storage of petroleum products** and liquefied natural gas as specified in Annexure-II appended to this notification and facilities for re-gasification of Liquefied Natural Gas subject to the conditions as mentioned in sub-paragraph (ii) of paragraph 3”.

The Pet coke evacuation project within the IOCL Paradip Refinery-Odisha –Above ground conveyor belt does not further attract Environmental Clearance under EIA Notification, 2006 as EC from MoEF & CC is already obtained on such ground. However, it requires clearance from MoEF & CC, Govt. of India, under CRZ Notification, 2011 as:

Para 4 (ii) (d) “laying of pipelines, **conveying systems**, transmission lines”

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

- Form-I (Annexure-IV)
- Environmental Impact Assessment form and study report & Environmental management plan
- Disaster management plan, Risk assessment and management plan.
- Drawings and Design of the structures
- NOC from Odisha State Pollution Control Board
- Environmental Clearance letter from MoEF, Govt. of India.
- CRZ Map (in 1:4000 scale) indicating the CRZ-I, II, III& IV area and location of the project area in the CRZ map (prepare by Anna University, Chennai).
- CRZ Map (in 1:25,000 scales) prepared by ORSAC and sponsored by F & E Dept. Govt. of Odisha.

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

E.7. Construction of Residential Building at Gopalpur by Mrs. Subhadra Rath.

Mrs. SubhadraRath, the project proponent has submitted a proposal “Construction of Residential Building at Gopalpur” for CRZ Clearance. To develop an environmentally sustainable residential infrastructure (service apartment) is a need based requirement at Gopalpur due to development new port and other industrial complexes around it.

The project area covers 4.275 Ac. of land on Plot No.125 Khata No.23/4, Mauza- Udayapur, Berhampur. The geographical location of the project site is 19^o 15' 19.26"N & 84^o 54' 5.69"E.

The cost of the project is Rs. 18.7 Cr.

The total plot area used for this project is 4.275 Ac. The proponent proposed for construction of a G+2 storied residential building. The total ground coverage is 5723.8 m² i.e 33% of the plot area. The coverage of the first floor is 5723.8 m² and second floor is 5723.8 m². The total built up area of the project is 17171.31 m². The total height of the building is 9 m and the Floor Area Ratio is 1. The required drawing and design is being submitted in the project profile.

The project proponent has prepared an EIA report by engaging a consultant, which includes baseline study, impact analysis and the mitigation plan by developing an EMP. In general, there is no much negative impact is envisaged and through mitigation measures it can be minimised.

The Risk Assessment Report and Disaster Management Plan are being prepared for the proposed project. Design Parameters for multi hazard resistant structure is being considered for the project and suggested management plan during a natural disaster.

The project site is located in CRZ-II area of Gopalpur NAC in Ganjam District. The proposed project is located in residential allotted area under Berhampur- Gopalpur Development Authority. Hence, it is not deviating the land use of the project area in Gopalpur NAC area.

The proposed activity is permissible under CRZ Notification, 2011 as per:

Para 8-(i) (II) (i) “The building shall be permitted only on the **land ward side of the existing road** or on the landward side of the existing authorised structure.”(The location of the existing road, i.e. from Grand Oberoi/ Mayfair hotel to New Buxipalli before 1991, is being indicated in the CRZ map (1:4000 scale prepared by IRS, Anna University, Chennai).

Para 8-(i) (II) (ii) “buildings permitted on the landward side of the **existing** and proposed **roads** or **existing authorized 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”. (Necessary approval from.

The proposed project does not attract Environmental Clearance under EIA Notification, 2006. The proponent has submitted the following documents/maps in respect of the project

- Form-I (Annexure-IV)
- Environmental Appraisal Form
- Environmental Impact Assessment form and study report
- Environmental Impact Assessment study report and Environmental management plan
- Disaster management plan, Risk assessment and management plan.
- Drawings and Design of the structures
- Land schedule and land related documents
- Map: Earthquake zone of Odisha, Wind & Cyclone Zone, Multihazard Map, Google map of the project site.
- Revenue map of the project area.
- CRZ Map in 1:4000 scales demarcating the HTL, LTL and CRZ Zones, prepared by Institute of Remote Sensing Anna University, Chennai.
- CRZ Map No.-CZMP 74A/15/SE Sheet No.6 (in 1:25,000 scales) prepared by ORSAC & sponsored by F& E Dept. Govt. of Odisha).

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

E.8. Construction of SHG Training Cum Meeting Hall of DRDA at Puri (within the DRDA Campus, Puri) by District Rural Development Agency, Puri.

The Project Director, District Rural Development Agency, Puri has submitted a proposal “Construction of SHG Training cum Meeting Hall of DRDA at Puri (within the DRDA Campus)” for CRZ clearance.

The objective of the project is to empower the women by enhancing the livelihood security to the women SHG members and their family.

The project area is located in the CRZ-II area of Puri (site marked in the CRZ Map No.74E/13/SW, Sheet no.26 in 1:25, 000 scale, prepared by ORSAC and sponsored by F & E Govt. of Odisha). The geographical location of the project area is latitude-19⁰ 47' 57.08"N & Longitude-85⁰ 49' 31.87"E. The total cost of the project is Rs. 50 lakhs, sponsored by District Rural Development Agency (DRDA), Puri.

The total plot area is 15464.00 sq ft. The proponent now proposed for construction of a G+2 storied building for SHG Training-cum- Meeting Hall at Puri within the existing DRDA Office campus. The existing office building (ground floor) covers an area of 4088.00 sq ft. The proposed building (G+2) covers ground floor area of 1015.00 sq ft, first floor of 1015.00 sq ft and second floor of 1015.00 sq ft area. Thus the total built up area of the proposed building is 3045.00 sq ft. Total ground coverage of the building (existing+ proposed) is 5103 sq ft i.e. 33 % of the total plot area.

The project proponent has prepared an EIA report by engaging a consultant, where baseline study, impact is being analysed. Environmental Management Plan developed with necessary mitigation measures to decrease the impact. In general, it is a small structure and there is no much negative impact is envisaged and through mitigation measures it can be minimised.

The Risk Assessment Report and Disaster Management Plan is being prepared for the proposed project. Design Parameters for multi hazard resistant structure is being considered for the project and necessary management plan during a natural disaster is being considered. The project site is located in CRZ-II area of Puri urban area.

The proposed activity is permissible under CRZ Notification, 2011 as per:

Para 8-(i) (II) (i) "The building shall be permitted only on the **land ward side of the existing road** or on the landward side of the **existing authorised structure.**"

Para 8-(i) (II) (ii) "buildings permitted on the landward side of the **existing and proposed roads** or **existing authorized 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 proposed project does not attract Environmental Clearance under EIA Notification, 2006.

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

- Form-I (Annexure-IV)
- Environmental Impact Assessment form and study report
- Environmental Management Plan
- Disaster Management Plan, Risk Assessment and Management Plan.
- Drawings and Design of the structures
- Land schedule and land documents & revenue map showing the project site.

- Map : Earthquake zone of Odisha, Wind & Cyclone Zone, Multihazard Map & Google map of the project site
- CRZ Map no.74E/13/SW, Sheet no.26, in 1:25,000 scales prepared by ORSAC & sponsored by F& E Dept. Govt. of Odisha.

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

E.9. Construction of Hotel Krishna International, Puri.

The proprietor of Hotel Krishna International, Puri has submitted a proposal "Construction of Hotel Krishna International, Puri" for CRZ Clearance. The main objective of the project is to develop an environmentally sustainable infrastructure for the tourist/ pilgrims visiting holy city of Puri.

The area acquired for this project is 8096.65 sq m of patita land in the Plot No.255/1, Khata No.49, Mauza-Sipasarubuli, PuriSadar No-78, Puri. The geographical location of the project area is 19° 47' 05.5"N & 85° 47' 00.9"E, 19° 47' 05.0"N & 85° 46' 59.8"E, 19° 46' 59.0"N & 85° 47' 00.6"E, 19° 46' 59.3"N & 85° 47' 01.4"E. the total cost of the project is Rs. 17.15 Cr. The project site is located in the CRZ-II area of Puri (indicated in the CRZ map of Puri Sheet No. 26, prepared by ORSAC and sponsored by F & E Dept, Govt of Odisha).

The total plot area is 8096.65 sq m. The proponent proposed for construction of a 5 storied building. The total height of the building is 14.95 m and built up area is 11440 sq m and the total ground coverage is 32% of the plot area. The floor area ratio (FAR) is 1.41. Ground floor area covered 2560 m², First floor -2200 m², Second floor -2368 m², Third floor - 2155 m², Fourth floor-2155 m² area. There will be a provision for 1620 m² (20 % of plot area) for Landscape development. The structural design is based on the existing town planning rules (Rrule 531 & rule 534-B of the Municipal Rule 1953 regarding the norms FSI & FAR for building in the CRZ_II area) as on 19.02. 1991 under the CRZ Notification, 2011 and clarified by the Honb'le High Court Orissa, Cuttack in its judgement dt. 20.2.15 & 15.5.15.

The proponent has prepared an EIA report by engaging the consultant. The report includes the baseline information and Impact analysis both during construction and operation phase. 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 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 Risk Assessment and Disaster Management Report indicating the magnitude of risk from various natural disasters 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 proposed activity is permissible under CRZ Notification, 2011 as per:

Para 8-(i) (II) (i) “The building shall be permitted only on the land ward side of the **existing road** or on the landward side of the existing authorised structure.” (the existing road before 1991), i.e. road constructed by PWD between Hans COCO Palm and Sterling Resort as clarified by the Honb’le High Court Orissa, Cuttack in its judgement dt. 24.01.12)

Para 8-(i) (II) (ii) “buildings permitted on the landward side of the existing and proposed roads or existing authorized 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 Environmental Clearance under EIA Notification, 2006. However, it requires prior approval from MoEF & CC, Govt. of India, as per the provision in the annexure- III under CRZ Notification, 2011.

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

- Form-I (Annexure-IV)
- Environmental Appraisal Form
- Environmental Impact Assessment form and study report
- Environmental Impact Assessment study report and Environmental management plan
- Disaster management plan, Risk assessment and management plan.
- Drawings and Design of the structures
- Land schedule and land documents
- Map : Earthquake zone of Odisha, Wind & Cyclone Zone, Multihazard Map
- Structural stability certificate.
- Google map of the project site.
- Revenue map of the project area.
- CRZ Map No.CZMP 74E/13/SW Sheet No.26 (in 1:25,000 scale) prepared by ORSAC & sponsored by F& E Dept. Govt. of Odisha).
- Orissa High Court, Cuttack dt. 24. 1. 2012, 20.2.15 & 15.5.15.
- Draft CRZ Map (1:4000 scale) demarcating HTL, LTL & CRZ zones prepared by IRS, Anna University, Chennai but updating it after additional documents from the proponent and committed to submit before the meeting.

OCZMA may discuss the proposal and if consider may recommend the proposal for grant of CRZ Clearance from MoEF & CC, Govt. of India under CRZ Notification, 2011.

E.10. Construction of officer's Rest House of East Cost Railway at Puri.

Sr. Divisional Engineer/ Estate, Khurda Road Division has submitted a proposal "Construction of officer's Rest House of East Cost Railway at Puri" for CRZ clearance. This project is to provide separate accommodation for the officers of Indian Railways during their visit to Puri and there is a provision for conference hall for the meetings and seminars.

The land area acquired for the project proposal is 4.5 Ac. The project area is located in the CRZ-II area of Puri (site marked in the CRZ Map No.74E/13/SW, Sheet no.26). The geographical location of the project area is latitude-19° 48' 4.5"N & Longitude-85° 50' 20.1"E. The total cost of the project is Rs. 9.94 Cr and sponsored by Ministry of Railway, Govt. of India.

The total plot area will be used for this project is 18210.9 m². There is an existing building covering an area of 1236 m². The proponent proposed for construction of a G+2 storied officer's rest house for the officers of Indian Railways. The ground coverage of the proposed building is 1756.54, the first floor is 1583.22 m² and second floor is 1670.70 m². The total built up area of the proposed project is 5010.46 m². The total height of the building is 9 m.

The project proponent has prepared an EIA report by engaging a consultant, which includes baseline study, impact analysis. Environmental Management Plan (EMP) is being prepared for both construction phase and Operation phase. Proper mitigation measures have been planned for negative impacts. In general, there is no much negative impact is envisaged and through mitigation measures it can be minimised.

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 incidents normally occurring at Puri.

The proposed activity is permissible under, CRZ Notification, 2011 as per:

Para 8-(i) (II) (i) "The building shall be permitted only on the land ward side of the existing road or on the landward side of the existing **authorised structure.**"

Para 8-(i) (II) (ii) "buildings permitted on the landward side of the existing and proposed roads or existing authorized 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 proposed project does not attract Environmental Clearance under EIA Notification, 2006.

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

- Form-I (Annexure-IV)
- Environmental Appraisal Form
- Environmental Impact Assessment form and study report
- Environmental Impact Assessment study report and Environmental management plan
- Disaster management plan, Risk assessment and management plan.
- Drawings and Design of the structures
- Land schedule and land documents
- Map: Earthquake zone of Odisha, Wind & Cyclone Zone, Multi-hazard Map, Google map of the project site.
- Revenue map of the project area.
- CRZ Map No CZMP 74E/13/SW Sheet No.26 (in 1:25,000 scale) prepared by ORSAC & sponsored by F& E Dept. Govt. of Odisha).

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

E.11. Operation of Hovercraft from Puri Sea beach area to Chandrabhaga Beach and other water sports activities at Puri Beach by Sai Sagar Adventures, Bhubaneswar.

The project proponent of Sai Sagar Adventures, Bhubaneswar has submitted a proposal for "Operation of Hovercraft from Puri Sea beach area to Chandrabhaga Beach and other water sports activities at Puri Beach" for CRZ approval.

The objective of the proposal is to create a unique identity of the Golden beach at Puri by introducing various modern crafts for water sports activities. These crafts will ply with a safety and protected manner and to make the beaches of Puri as a premiere beach city for adventure tourism in national and international maps. In general, it will provide scope for leisure tourism and more specifically adventure tourism for the younger generation with private participation. It will also adopt modern techniques for rescue operation in Puri beaches, which have an inherent record of causality due to ripe current.

Operational area of hovercraft starts from Puri beach area towards Chandrabhaga beach and the average speed will be within 56 Km/h. and is expected to run 9 hr daily under fair weather.

For Para Sailing a dry take-up and landing facilities with a maximum of 10-12 m. flight and 6 passengers per trip capacity will be provided and this activity will be restricted up to the wind speed of max. 15 mph. The Jet Ski at loading capacity is 3 persons / 240 Kg will be provided.

For all above operations, necessary safety provisions like life jackets, Rib vests, crash helmet etc. will be provided during sorties.

The proponent has not suggested any structure in the proposed CRZ area.

As per circular CSS/Misc. (37) / 2003 dt. 28.09.2004 from Government of India, Ministry of Shipping the operation of small vessels of less than 15 tonnes for short duration sailing and caring up to 12 passengers and other sports activities at the beaches on the coast, there is no obligation to register under Merchant Shipping Act, 1958.

Mercantile Marine Department (Ref: Principal Officer, Mercantile Marine Department), Kolkata intimated that the water sports activities including operation of hovercraft with 3 nautical miles is carrying under the jurisdiction of the District Collector. Accordingly, Puri District Administration through District Tourist Officer (Letter No. 970 Dt. 10.10.2014) is agreed to start the water sports activities in the beach front of Puri.

As per the Government of Odisha, Industries Department Notification No. 6679 Dt. 20.11.2012 the 2nd special single window clearance committee (Dept. of Tourism & Culture, Government of Odisha Letter No. 5123/TSM Dt. 25.04.2015) has approved to operate hovercraft and other water sports activities from Puri Sea beach to Chandrabhaga sea beach with necessary terms and conditions.

The proponent has submitted an EIA Report, which includes the impact analysis for different crafts to be engaged for water sports. They have not gone to the extent the impact on the biodiversity at the concerned Ecosystem (their habitat). Hence, the proponent has to develop an EMP indicating the necessary mitigation measures for the protection of the ecosystem in the operational area.

The proponent has also submitted a Disaster Management Plan (DMP) for the proposed water sports activity for both accidental eventualities as well as during natural calamities.

However, the concerned district administration(s) need to develop a common safety plan/ operational plan for coastal water sports/ leisure tourism for Puri/ other Odisha coastlines in the line Goa has developed.

Department of Tourism & Culture, Government of Odisha communicated the application of the proponent to consider for permission / clearance from OCZMA as water sports activity comes under the preview of OCZMA (as the activity will be in the CRZ-IV (A) area under CRZ Notification, 2011).

The operational area of hovercraft is requested from Digabarini (190 47'42.1"N & 850 49 34.6"E) (Puri Sea beach area) to Chandrabhaga offshore area (190 51' 54.5" N & 860 06' 41.6"E) stretching a distance of 31 km within 03 nautical miles from the shoreline (shown in the CRZ map) . The suggested operational area of hovercraft and other proposed water sports activities including Parasailing, speed boats and jet skies is coming under CRZ-IV (A) (the coastal water body) & CRZ-I (B) intertidal area. The total cost of the project is Rs. 4.88 Cr.

The proposed activity is in fact directly related to water front but no construction is proposed for this purpose by the proponent. Hence, this proposed activity operation of water sport

craft / vessels can be considered as permissible under Para- 3 (i) (a) “ those directly related to water front or directly needing foreshore facilities” of CRZ Notification, 2011.

The proponent has deposited no scrutiny fees. The proposed activity will be operated in CRZ-I(B) i.e. intertidal area for boarding and landing purpose & CRZ-IV (A) area for operation of water sports crafts and the cost of the project is Rs.4.88 Cr. So a scrutiny fee of Rs. 25,000/- may be levied as per the Resolution No. EE-9/2004/7657/F&E dt. 29.11.2004.

Authority may take a decision regarding the scrutiny fees from water sports activity, when no structure is suggested within CRZ area.

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

The project proponent has submitted following documents.

- Form-I (Annexure – IV of CRZ Notification, 2011)
- Environmental Impact Assessment Study report
- Disaster Management Plan
- Clearance from Single Window Committee
- Approval from Collector And District Magistrate Puri
- Approval of Superintendent Of Police, Puri
- Approval from State Pollution Control Board, Odisha
- Project feasibility report of ICZMP, Odisha.
- Letter from Mercantile Marine Department, Ministry of Shipping Govt. of India.(Kolkata and Paradip office)
- Copy of letter issued by Director General of Shipping, Ministry of Shipping Govt. of India.
- Area of operation highlighted in the CRZ Map (Sheet no. 26 map no-74E/13/SW & Sheet no. 27 map no-74E/13/SE & Sheet no. 28 map no-74I/01/SW) (1:25000 Scale) proposed by ORSAC and sponsored by F&E Dept., Govt. of Odisha.

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

E.12. Operation of Hovercraft & other water sports activities (Para sailing/jet ski/ speed boat etc.) at Puri Sea Beach area by Puri Sea Farers.

The project proponent of Puri Sea Farers has submitted a proposal for CRZ clearance i.e “Operation of Hovercraft & other water sports activities (Para sailing/jet ski/ speed boat etc.) at Puri Sea Beach area”.

The objectives of the proposal are to augment tourist facility, promote adventure tourism and create income opportunity for the local communities. The proposed operational area of Hovercraft & other water sports activities start from Puri Sea Beach i.e. Hotel Sterling Resorts to Chandrabhaga beach area. The operational area of hovercraft and other activities is coming

under CRZ-IV (A) water body along coast) & CRZ-I (B) intertidal area. The total cost of the project is Rs.149.48 lakhs.

The proposed operational activity includes 2 nos. of Hovercraft of 3-4 seater capacity with a maximum speed of 35-45 mph, 1 speed boat of 3 to 6 seater capacity, one banana boat of 6 passengers per trip and one Jet Ski of 1 to 2 people per capacity will be deployed. The operation period will start from morning to evening in fair weather condition.

For all the operations, necessary safety provisions like life jackets, Rib vests, crash helmet, first aid kits, and fire extinguisher for hovercraft, UHF/GPS for communication etc. will be provided.

The proponent has submitted an EIA Report, which includes the impact identification for different crafts. They have not gone to the extent the impact on the biodiversity in the operational area. Hence, the proponent may be suggested to develop an EMP indicating the proper operational practices and necessary mitigation measures for the protection of the ecosystem in the operational area.

The proponent has also submitted a brief report on safety measures for the proposed water sports activity.

However, the concerned district administration(s) need to develop a common safety plan/operational plan for coastal water sports for their smooth operation.

Department of Tourism & Culture, Government of Odisha communicated the application of the proponent to consider for permission / clearance from OCZMA as water sports activity comes under the preview of OCZMA (as the activity will be in the CRZ-IV (A) area under CRZ Notification, 2011).

The proposed activity is in fact directly related to water front but no construction is proposed for this purpose by the proponent. Hence, this proposed activity of operation of water sport craft / vessels can be considered as permissible under Para- 3 (i) (a) " those directly related to water front or directly needing foreshore facilities" of CRZ Notification, 2011.

The proponent has deposited no scrutiny fees.

The proposed activity will be operated in CRZ-I(B) i.e. intertidal area for boarding and landing purpose & CRZ-IV (A) area (sea water body) for operation of water sports crafts and the cost of the project is Rs.149.48 lakhs. So a scrutiny fee of Rs. 25,000/- may be levied as per the Resolution No. EE-9/2004/7657/F&E dt. 29.11.2004.

Authority may take a decision regarding the scrutiny fees from water sports activity, when no structure is suggested within CRZ area.

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

The project proponent has submitted following documents.

- Form-I (Annexure – IV of CRZ Notification, 2011)
- Environmental Impact Assessment Study report & form
- Disaster Management Plan
- Detailed project report
- Approval from DIC, Puri
- NOC from Superintendent of Police, Puri
- NOC from State Pollution Control Board, Odisha
- Letter of Directorate of Port & Inland Water Transports
- Letter from Mercantile Marine Department, Kolkata (letter no. Regn/M/20/04-IV dt. 02.12.2014), Ministry of Shipping Govt. of India.
- Area of operation highlighted in the CRZ Map (Sheet no. 26 map no-74E/13/SW & Sheet no. 27 map no-74E/13/SE & Sheet no. 28 map no-74I/01/SW) (1:25000 Scale) proposed by ORSAC and sponsored by F&E Dept., Govt. of Odisha.
- Google map showing 7 km radius of the operation area.

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

E.13. Operation of water sports at Puri by Puri Aqua Sports (P) Ltd.

The project proponent of Puri Aqua sports Pvt. Ltd. has submitted an application for “Operation of water sports at Puri” for CRZ clearance.

The objective of the project is to provide adventures tourism facility to the tourist visited to Puri beach and generate employment for the local community.

For the operation of the water sport activities the proponent selected 2 sites i.e (i) Digabarini to sea hawk Hotel and (ii) Mayfair Hotel to Victoria. The operation of water sports activities falls within CRZ-IV (A) & CRZ-I (B) area. The total cost of the project is Rs. 1 cr.

The proposed activity includes operation of 3 nos. of Parasailing, 2 nos. of 7 seater capacity each Banana Boats, 5 nos. of motor riders, 2 nos. of inflatable boats one of 6 seater and another of 8 seater capacity and one inflatable booms of 2 seatercapacity will be deploid.

For all the operation, necessary safety provision like life jackets, Rib vests, crash helmet, first aid kits, and fire extinguisher UHF/GPS for communication etc. will be provided.

No structure is suggested under the proposed project.

The project proponent has not submitted specific EIA report and Disaster management Plan (EMP), except brief information in the project profile.

However, the concerned district administration(s) need to develop EMP and a common safety plan/ operational plan for coastal water sports for their smooth operation.

Department of Tourism & Culture, Government of Odisha communicated the application of the proponent to consider for permission / clearance from OCZMA as water sports activity comes under the preview of OCZMA (as the activity will be in the CRZ-IV (A) area under CRZ Notification, 2011).

The proponent has deposited no scrutiny fees.

The proposed activity will be operated in CRZ-I(B) i.e. intertidal area for boarding and landing purpose & CRZ-IV (A) area (sea water body) for operation of water sports crafts and the cost of the project is Rs.149.48 lakhs. So a scrutiny fee of Rs. 25,000/- may be levied as per the Resolution No. EE-9/2004/7657/F&E dt. 29.11.2004.

Authority may take a decision regarding the scrutiny fees from water sports activity, when no structure is suggested within CRZ area.

The proposed activity is in fact directly related to water front but no construction is proposed for this purpose by the proponent. Hence, this proposed activity on operation of water sport craft / vessels can be considered as permissible under Para- 3 (i) (a) “ those directly related to water front or directly needing foreshore facilities” of CRZ Notification, 2011.

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

The project proponent has submitted following documents.

- Form-I (Annexure – IV of CRZ Notification, 2011)
- Disaster Management Plan
- Project Profile
- Approval from DIC, Puri
- Area of operation highlighted in the CRZ Maps (Sheet no. 26 map no-74E/13/SW & Sheet no. 27 map no-74E/13/SE) (1:25000 Scale) proposed by ORSAC and sponsored by F&E Dept., Govt. of Odisha.

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

E.14. Installation of Portable Community Toilets for fishers near lake mouth of Chilika Lake by Chilika Development Authority (CDA)

Chief Executive, Chilika Development Authority has submitted a proposal for CRZ clearance i.e “Installation of Portable Community Toilets for fishers near lake mouth of Chilika Lake”

The objective of the proposal is to provide better sanitation facility to the local fishing community & visitors and improve the coastal environment.

For the Installation of Portable Community Toilets in 3 sites, the proponent will acquire altogether of 0.005 Ac. of govt. land. The geographical locations for the 3 sites are i.e Site-1 (19.66442⁰ N & 85.51158⁰ E), Site-2 (19.67028⁰ N & 85.51243⁰E) & Site-3 (19.67150⁰ N & 85.51327⁰E). All the 3 sites are located in the CRZ-I area of Chilika lake. The total cost of the

project for (3 sites) is Rs.6, 75,000 which is funded by Govt. of Odisha and will be implemented by Chilika Development Authority under F & E Dept. Govt. of Odisha.

Each unit consisting of two nos. of portable toilets with common water tank facilities. The proponent will take proper waste disposal method through soak pit.

The proposed activities are permissible under Para 8 (i) (I) CRZ-I (ii) (b) of CRZ Notification, 2011, "Construction of dispensaries, schools, public rain shelters, **community toilets**, bridges, roads, jetties, water supply, drainage, sewerage, which are required for traditional inhabitants living within the biosphere reserves after obtaining approval from concerned CZMA".

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

The project proponent has submitted following documents.

1. Form-I (Annexure-IV of CRZ Notification, 2011)
2. Questionnaire for environmental appraisal
3. Environmental Impact Assessment form
4. Environmental Impact Assessment Study Report
5. CRZ Map in 1:25,000 scales prepared by ORSAC & sponsored by F& E Dept. Govt. of Odisha.
6. Chilika map showing the proposed sites for installation of portable toilet
7. Layout map with specification of the toilet unit
8. Satellite map of the project site.

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

F. REQUEST FOR SPECIAL CONSIDERATION:

F.1. CRZ Clearance for construction of Passenger Jetty and Waiting Hall at Gupti (Patsala River) in Kendrapara district.

The Executive Engineer, Port & IWT had submitted a proposal before the Authority in its 21st OCZMA meeting on 17.01.2014 for "construction of Passenger Jetty and Waiting Hall at Gupti (Patsala River) in Kendrapara district" for CRZ clearance with an objective to give facilities to the people of coastal belt those who are using water way for their lively hood in day to day life.

After deliberation, the Authority decided that it can't consider the proposal in its present form and advised to resubmit the proposal. Considering the suggestion of the authority the project proponent resubmit the proposal and in the 22nd meeting of OCZMA dt. 28.04.2015, the authority approved the proposal subject to the condition that CRZ clearance will be issued only after getting NOC from DFO, Mangrove Forest Division, Rajnagar as it is within the boundary of the sanctuary.

Accordingly, the proponent submitted the necessary documents to the DFO, MFD, Rajnagar and the DFO Rajnagar for NOC from National Board of Wildlife Clearance (NBWC). and he

initiated the process and communicated the documents to the PCCF (WL) & CWLW, Odisha for further action.

Sanjay Rastogi, Commissioner-cum-secretary to Govt.(Commerce and Transport Dept.) has requested to the additional chief secretary to Govt, Forest & Environment Dept. Govt. of Odisha not to insist for obtaining NBW Clearance to accord CRZ clearance for the project at Gupti, as this is a small project to provide facilities to the public for safe boarding of the passengers of Boats/launches plying in those locality.

The Authority may consider the matter.

F.2. CRZ Clearance for construction of Passenger Jetty and public rain shelter at Talachua (Dhamara River) in Kendrapara district.

The Executive Engineer, Port & IWT was submitted a proposal before the Authority in its 21st OCZMA meeting on 17.01.2014 for “construction of Passenger Jetty and public rain shelter at Talachua (Dhamara River) in Kendrapara district” for CRZ clearance with an objective to give facilities to the people of coastal belt those who are using water way for their lively hood in day to day life. After deliberation, the Authority decided that it can't consider the proposal in its present form and advised to resubmit the proposal. Considering the suggestion of the authority, the project proponent resubmitted the proposal and in the 22nd meeting of OCZMA dt. 28.04.2015. the authority approved the proposal as the proposed site is located along the bank of Dhamara river.

While considering the case of Gupti (F.1) the DFO, MFD, Rajnagar also insisted NOC from National Board of Wildlife Clearance (NBWC) for Talachua indicating that it is also located within the boundary of the sanctuary. Accordingly, the proponent submitted the necessary documents and DFO, MFD, Rajnagar initiated the process and communicated to the PCCF (WL) & CWLW, Odisha for further action.

The Commissioner-cum-secretary to Govt.(Commerce and Transport Dept.) has also requested to the Additional Chief Secretary to Govt, Forest & Environment Dept. Govt. of Odisha, not to insist for obtaining NBW Clearance to accord CRZ clearance for the project at Talachua as it is a small project to provide facilities to the public for safe boarding of the passengers of Boats/launches plying in those locality.

The Authority may consider the matter.

G. OTHERS

PROTECTION OF SWEET WATER ZONE AT PURI

The holy city is the pride for all the Odia's and a major pilgrimage in India, which has historical, archaeological, cultural & religious important from ancient times. The township of Puri is spread over an area of 16.84 sq.kms & bears a population of around 1.75 lakhs as per the 2011 census. The holy city of Puri is developed on the beach dune with an average elevation of 7m above the mean sea level (MSL).

Water supply to the town is dependent on the battery of shallow tuber wells sunk in Talabania (Chakratirtha) and Baliapada areas located in the north-east and north-west region of the township respectively which are very close to sea. As ascertained by the Central Ground Water Board, there is urgent need to conserve the sweet water zone of Puri town to ensure sustainable supply of water to the township. Regional Director, CGWB, Bhubaneswar submitted a report dated 12.09.2013 regarding the ground water scenario and probable remedial measures to be initiated to protect the sweet water of Puri town area.

The Chairman, State Pollution Control Board, Odisha vide his letter No. 22080 dt. 24.10.2003 addressed to the Principal Secretary, Forest & Env. Dept. highlighting the need for protection of sweet water aquifer of Puri town in the light of the provisions stipulated section-17(a) & 17(b) of Water (Prevention & Control Pollution) Act, 1974. The State Pollution Control Board, Odisha had also recommended Govt. to take appropriate action for protection of the land earmarked for ground water recharge in both Chakratirtha and Baliapanda areas of the city against encroachment and pollution as well as prohibition of construction of habitation and road in the area.

A press note for protection and conservation of the sweet zone of Puri town was published in the Odisha Gazette on 27.11.2000 by the Secretary to Govt. of Odisha, H & UD Department. The Press note was issued specifically for protection of the land in Chakratirtha area (497.68 acr.) and Baliapanda area (207.52 acr.) of Puri town prohibiting any sale/ lease/ transfer/ renewal of lease of the area by any authority i.e. Municipality/ Revenue Authority/ anybody else with a direction that any construction made over the area shall be treated as illegal & un-authorized. The persons who have any lands/made construction over the area will have no rights, title and interest over such land shall be proceeded with under law.

Going further back to the history, it is to mention here that a Gazette Notification dt.24th June, 1931 was published in the Bihar & Odisha Gazette for land acquisition to be taken up by Govt. at the expense of Puri Joint Waterworks Committee for Puri Water supply Scheme, in village-Balukhand, pragana Oladhar in Puri dist.

For the conservation and improvement of underground water level, plantation have been raised by Forest Dept. (Divisional Forest Officer, Puri Wildlife Division) under financial assistance from H & UD Dept., (P.K.D.A., Puri) over an area of 83.00 ha. in Talabania area during last 5 year i.e. from 2009-10 to 2014-15. Sale, lease, transfer of land in the area and unregulated construction may deplete /pollute the underground water reserve of Puri town. There is urgent need to protect the precious land Chakratirtha (Talabania) and Baliapada areas which is the only source of ground water, and important for ensuring water supply to Puri town through strict legislation.

In the meantime, disposing the O.J.C no. 2816 of 2000, The Hon'ble High Court of Odisha vide their Order dated 20.02.2015 have set-aside the notification/ press note issued by the H &UD Department of Govt. of Odisha for protection of the sweet water area of Puri town (Para no.34) with the observation that the Housing and Urban Development Department has no jurisdiction in the matter and the Coastal Zone Regulating Authority is competent in this regard.

In this connection, the Collector Puri has examined the issue and made a submission that in order to meet the growing demand of water supply to Puri town, necessary steps may kindly be initiated by the Govt. to protect and conserve the sweet water zone of 497.68 Ac in Talabania (Chakrathirtha) and 207.52 AC in Baliapanda i.e. the area as detailed in the press note issued by the H & UD department during November 2000 with the source of underground water under the provision of CRZ Notification -2011 of Govt. of India i.e. Environment (Protection) Act 1986 and Rules there of as well as provision of Water (Prevention & Control of Pollution) Act 1974 through legislation to ensure sustainable supply of pollution free water to the inhabitants of Puri town.

It is ascertained that some of the areas of the earmarked Sweet water zone lie outside the CRZ area. Accordingly, the Authority may discuss and take a decision to recommend the Government to take appropriate action under section 5 of Environment (Protection) Act, 1986.