

**Agenda notes for the 34<sup>th</sup> meeting of the Odisha Coastal Zone Management Authority (OCZMA) scheduled on 19.06.2020 at 11.30 am**

**A. Confirmation of the minutes of the 33<sup>rd</sup> meeting of OCZMA held on 2.11.2019**

The minutes of the 33<sup>rd</sup> meeting of OCZMA were sent to all the members vide letter no. 292/OCZMA Dt. 15.11.2019, since no response has been received, the minutes may be treated as confirmed.

**B. Compliance of the decision taken in the last OCZMA Meeting**

Sl. No	Project / Project Proponent	Decision taken	Compliance
1	Coastal Protection Measures to address Erosion and Saline Intrusion at 3 different locations in Odisha Coast by Water Resource Department under ICZM Project.	OCZMA discussed the proposal and decided to grant CRZ clearance to the aforesaid project under CRZ Notification, 2011. However one member suggested that minimal intervention in the coast is always better and therefore some studies could be undertaken to ascertain the impact of the project at a later stage.	Clearance order was issued vide letter No. 300/OCZMA dt. 16.11.2019
a)	Coastal Protection Measures to address Erosion and Saline Intrusion near the mouth of Mangala River.		Clearance order was issued vide letter No. 298/OCZMA dt. 16.11.2019
b)	Coastal Protection Measures to address Erosion and Saline Intrusion at Ramachandi near Konark.		
c)	Coastal Protection Measures to address Erosion and Saline Intrusion near Ramayapatna		
2	Establishment of 10 MLD Desalination Plant at Paradip Port Trust area by Paradip Port Trust.	OCZMA discussed the proposal and consider recommending the proposal to MoEF & CC Govt. of India for considering grant of CRZ Clearance under CRZ Notification, 2011	The proposal was recommended to MoEF & CC Govt. of India vide letter no. 294/OCZMA dt. 16.11.2019
3	Construction of La Franklin Hotel at Paradip, Jagatsinghpur district by M/s Laxmi Franklin Hospitality Pvt. Ltd. Resorts Pvt. Ltd.	OCZMA discussed the proposal and consider recommending the proposal to MoEF & CC Govt. of India for considering grant of CRZ Clearance under CRZ	The proposal was recommended to MoEF & CC Govt. of India vide letter no. 310/OCZMA dt. 16.11.2019.

		Notification, 2011	<p>However, Govt. of India vide F.No. 19-127/2019 dt. 4th December returned the proposal for further necessary action as the instant proposal (built up area less than 20,000 sq.m) would only require a clearance/ approval from the concerned Town Planning Authorities based on the recommendation of the State Coastal Zone Management Authority in accordance with the extant provisions of the CRZ Notification, 2011.</p> <p>Accordingly the proposal was recommended to Paradip Development Authority (concerned Town Planning Authority) vide letter no. 329/OCZMA Dt. 17.12.2019</p>
4	CRZ clearance for operation of Water Sports Activities in the Puri Beach” by Puri water Sports Bali Nolia Sahi, Puri”	<p>OCZMA discussed the proposal and decided to grant CRZ clearance to the aforesaid project under CRZ Notification, 2011 subject to the following terms and conditions:</p> <ul style="list-style-type: none"> <li>(i) Construction of any permanent structure in CRZ area in strictly prohibited.</li> <li>(ii) Operation of proposed water sport activities shall not be allowed along</li> </ul>	<p>The clearance order was communicated to the Project proponent vide letter no. 306/OCZMA Dt. 16.11.2019 with a copy to the Dept. of Tourism vide letter no. 307/OCZMA Dt. 16.11.2019 and Collector &amp; District Magistrate, Puri vide letter no. 308/OCZMA Dt. 16.11.2019 for implementation of the project.</p>

		<p>the coastal stretches of main bathing area of the tourist. The District Administration is to decide such area of operation indicating the latitude and longitude of it.</p> <p>(iii) Operation of water sports activities allowed only in day time or as decided by the District Administration</p> <p>(iv) No such activity will be allowed in Sanctuary area.</p> <p>(v) Adequate safety measures shall be taken at the time of boarding and deboarding</p> <p>(vi) Discharge of fuel to sea is strictly prohibited</p> <p>(vii) Littering of polythene carry bags and such other materials banned by the state Govt. in to the sea is punishable under the relevant notification of the Govt. from time to time.</p> <p>viii) The district administration shall develop a common safety plan for the operation of coastal water sports activities.</p>	
5.	CRZ clearance Operation of Water sports activities at Gopalpur Beach, Ganjam by M/s Dunnimaa Engineers and Drivers Enterprise Pvt. Ltd.	OCZMA discussed the proposal and decided to grant CRZ clearance to the aforesaid project under CRZ Notification, 2011 subject to the following terms and conditions:	The clearance order was communicated to the Project proponent vide letter no. 302/OCZMA Dt. 16.11.2019 with a copy to the Dept. of Tourism vide letter

		<p>(i) Construction of any permanent structure in CRZ area in strictly prohibited.</p> <p>(ii) Operation of proposed water sport activities shall not be allowed along the coastal stretches of main bathing area of the tourist. The District Administration is to decide such area of operation indicating the latitude and longitude of it.</p> <p>(iii) Operation of watersport activities allowed only in day time or as decided by the District Administration</p> <p>(iv) No such activity will be allowed in Sanctuary area.</p> <p>(v) Adequate safety measures shall be taken at the time of boarding and deboarding</p> <p>(vi) Discharge of fuel to sea is strictly prohibited</p> <p>(vii) Littering of polythene carry bags and such other materials banned by the state Govt. in to the sea is punishable under the relevant notification of the Govt. from time to time.</p> <p>(viii) The district administration shall develop a common safety plan for the operation of coastal water sports</p>	<p>no. 303/OCZMA Dt. 16.11.2019 and Collector &amp; District Magistrate, Ganjam vide letter no. 304/OCZMA Dt. 16.11.2019 for implementation of the project.</p>
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		activities.	
6	NOC for proposed Residential Apartment cum Guest House over Khata No.2 Plot No.268(P) in Mouza Sipasurubili, Puri Sadar by M/s Prabhukrupa Realties Pvt. Ltd.	OCZMA discussed the proposal and decided to get the facts and figures vis-à-vis land documents provided by the proponent checked through field verification. Simultaneously District Administration may be requested to provide the information in clear terms regarding the title & rights of the land in question.	The Collector & District Magistrate, Puri has been requested vide letter no. 322/OCZMA Dt. 30.11.2019 to furnish a clear letter indicating the title rights and possession of the land in question over which the project has been proposed.  Response awaited.
7	NOC for Layout over Khata No.2 Plot No. 268(P) in Mouza Sipasurubili,Puri by Sri Madhusudan Singari.		The Collector & District Magistrate, Puri has been requested vide letter no. 318/OCZMA Dt. 30.11.2019 to furnish a clear letter indicating the title rights and possession of the land in question over which the project has been proposed.  Response awaited.
8	NOC for proposed Residential Apartment cum Guest House over Khata No.27 Plot No.309(Part), Sub PlotNos.1,2,3,4,5,6,7,13,14,15 ,16,17,18& 19, Area of 7.00 Ac., Mz-Sipasurubuli, Puri Sadar, Puri by M/s Prabhukrupa Realties Pvt. Ltd.		The Collector & District Magistrate, Puri has been requested vide letter no. 324/OCZMA Dt. 30.11.2019 to furnish a clear letter indicating the title rights and possession of the land in question over which the project has been proposed.  Response awaited.
9	NOC for proposed development over Khata No.51 Plot No.304/407(P) Area-Ac.1.860 in Mouza Sipasurubili, Puri Sadar by M/s Krishna Eastern		The Collector & District Magistrate, Puri has been requested vide letter no. 320/OCZMA Dt.

	Builders India Pvt. Ltd.		30.11.2019 to furnish a clear letter indicating the title rights and possession of the land in question over which the project has been proposed.  Response Awaited.
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### C. Fresh Proposal

#### 1. Preparation of Coastal Zone Management Plan (CZMP) based On CRZ Notification, 2019

Government of India in the Ministry of Environment, Forest and Climate Change (MoEF&CC) has issued a Notification No. G.S.R. 37(E), dated the 18th January, 2019 declaring certain coastal stretches of the country as Coastal Regulation Zone (CRZ) superseding the Notification No. S.O.19 (E), dated the 6th January, 2011.

As per para 6 of the CRZ Notification, 2019, the coastal State Governments and Union territory Administrations are entrusted with the responsibility of revision or updation of Coastal Zone Management Plans (CZMPs) of their respective state or UT, as per the provisions contained in the CRZ Notification, 2019. The Ministry has also issued guidelines for facilitating the state government/UT administrations in updation of the CZMPs.

The CZMP is to be updated or revised by any of the authorized 8 agencies identified by the MoEF & CC, using the demarcation of the High Tide Line, LTL, ESA, CVCA as carried out by NCSCM, Chennai and Hazard line as demarcated by the Survey of India.

The responsibility of preparation of CZMP maps for Odisha coast in 1:25,000 scale identifying and classifying the CRZ areas based on Notification No. G.S.R.37 (E), dated the 18th January, 2019 and these guidelines was entrusted to Odisha Space Applications Centre. They have undertaken the following jobs:

#### Base Data Arrangement

- ❖ The base data such as HTL, LTL, ESA, Hazard line, Coastal LULC and CVCA were provided by the NCSCM, MoEF, GOI and these datasets are arranged in a Geo database for further analysis. Along with this the authorized CZMP-2011 maps are also provided for reference.
- ❖ The census village boundaries are geo referenced as per Census 2011 and population data of villages are also arranged in a data base and stored in digital/soft copy/xls format for delineation of CRZ-IIIA and CRZ-IIIB areas along the coast.
- ❖ Stakeholder data on Municipal maps, designated urban areas, and Infrastructure facilities such as roads, jetty, port, fish landing centers etc as depicted in CZMP-2011 maps are retained on the draft maps. Additional data on Multiple Cyclone Shelters (MCS) have been collected and super imposed in the draft CZMP-2019 maps.

### Preparation of Coastal LULC Maps

The updation of Coastal land use has been prepared from the LISS-IV satellite image of 2018-19

### Census Data processing

- ❖ The Census data of 2011 has been analyzed for computation of density of population in each village having population more than 2161 per km<sup>2</sup>.
- ❖ After analysis it has been observed that no villages on the coast of Odisha (Sea front) has population more than 2161 per km<sup>2</sup>. **As such no CRZ-IIIA area are found along the coast.** Hence all the villages are marked as CRZ-IIIB.
- ❖ The cadastral data has been superimposed to the CZMP.

### CRZ buffers

The buffer analysis has been carried out using Arc GIS tools by taking .shp file of CZMP-2011 as a base layer. It is updated as per the CRZ notification, 2019 which are as follows:

50m or width of the creek, whichever is less	No development Zone (NDZ)/Buffers of tidally influenced water bodies(water bodies influenced by tidal effects from sea in the bay, estuaries, rives, creeks, backwaters, lagoons, ponds that are connected to the sea)
200m	NDZ for CRZ-IIIB ( Sea front)
20m	NDZ for inland islands in the coastal backwaters and islands along the mainland coast

### CRZ Classifications

- ❖ The updation of CRZ classifications such as CRZ-I, CRZ-II, CRZ-IIIB, CRZ-IVA and CRZ-IVB have been carried out based on the LULC and map contents of CZMP-2011 and the guidelines of CRZ Notification-2019.
- ❖ The CRZ-III B areas have been delineated and shown on the draft maps.

### Preparation of CZMP Maps

- ❖ The draft CZMP maps (95 numbers) have been prepared following the Check-List provided for preparation of CZMP maps. The maps were submitted to the Forest & Env. Dept. Govt. of Odisha on 4<sup>th</sup> December, 2019 (Vide Letter No. 4035 Dated 04-12-2019) (Annexure-II).

Forest & Environment Department is required to provide this Database of the CZMPs prepared and approved based on CRZ notification 2019 along with details of village-wise survey numbers pertaining to Government land, in the format (bearing Village name, Survey No./Part Survey No. etc.) for deciding/enabling ease in demarcation of buffers around mangrove areas, digitized geo-referenced Census village boundary maps in shape file format as per 2011 census base and the corresponding 2011 census (population) data of villages in digital/soft copy/xls format for demarcation of CRZ-IIIA & CRZ-IIIB areas, stakeholder data such as Municipal maps, Notifications for legally designated urban areas etc., for new CRZ-II areas, fishing Zones in the water bodies and fishing village boundaries, breeding and spawning grounds of fish and the like, for updating the CZMP, as applicable,

Infrastructure facilities such as roads, jetty, port, fish landing centers, etc., existing authorized structures on the seaward side and features like cyclone shelters, rain shelters, helipads and other infrastructure including road network for the purpose of rescue and relief operations during cyclones, storms, tsunami and the like.

The draft updated CZMP was uploaded in the websites of the OCZMA and F&E Dept. for giving wide publicity soliciting suggestions and objections, which is part of Public Consultation process. A Public Notice was published in a widely circulated English as well as Odia newspaper with a request to go through the maps on the websites and send their feedback. All the Concerned State Government Departments were requested to furnish the perspectives of their Departments on the draft CZMP. Collectors of all coastal districts were provided with copies of the draft CZMP maps with a request to place it before the District Level Coastal Zone Monitoring Committee, for Public Hearing with a detailed discussion with the stakeholders, NGOs and individuals and to furnish their suggestions and comments, if any.

All responses received so far have been compiled (Annexure-I). Relevant comments complying with the CRZ Notification have been incorporated in the maps.

Next course of action is given below:

- (i) Presently the draft CZMP is being submitted to the OCZMA for appraisal, consultations, and recommendations. Based on the suggestions and objections received, the draft updated CZMP will be finalized and submitted by the state Government to MoEF&CC for final approval.
- (ii) The updated CZMP will be submitted for scrutiny by the Technical Scrutiny Committee constituted by the National Centre for Sustainable Coastal Management (NCSCM), Chennai. The Technical Scrutiny Committee will make its recommendations to the NCZMA for an appropriate decision.

### **Revision of Coastal Zone Management Plans**

Whenever there is a doubt or a likely disparity noticed in the CZMP, the Odisha Coastal Zone Management Authority will refer the matter to MoEFCC for a modification/rectification of the CZMP along with valid reasons for the same. The MoEFCC will refer the matter to the National Centre for Sustainable Coastal Management (NCSCM) for verification based on latest satellite imagery and ground truthing for possible modification/rectification in the CZMP. The rectified map shall be submitted to Ministry of Environment, Forest and Climate Change for consideration of approval.

## **2. Development of an all-weather multiuser Greenfield Port at Astaranga, Puri District, Odisha by M/s Navayuga Engineering Company Limited (NECL).**

The Managing Director of M/s Navayuga Engineering Company Ltd. (NECL) has submitted a proposal for CRZ recommendation for "Development of an all-weather multi user Greenfield Port at Astaranga, Puri district, Odisha.

Govt. of Odisha and Navayuga Engineering Company Ltd signed a MoU for preparation of Techno Feasibility Report (TFR) for the development of the Astaranga Port on 22<sup>nd</sup> Dec. 2008. The TFR & DPR submitted by NECL was approved by Govt. of Odisha on 27<sup>th</sup> May 2013. After acceptance of the proposal, the Dept. of Commerce & Transport, GoO signed a Concession Agreement with NECL on November 22, 2010 for the development of Astaranga Port at Astaranga in Puri district.

The proposal receives ToR from MoEF & CC, Govt. of India vide order F. NO. 11-60/2013-IA.III dt. 28<sup>th</sup> January, 2016 and further extension of ToR for 4 years vide MoEF & CC, order F. NO. 11-10/2020-IA.III dt. 7<sup>th</sup> April, 2020.

The proposed port at Astaranga is a Green field project and will be under taken in phases. The currently proposed Phase-I-A development envisages the required marine and shore based infrastructure to cater various cargoes handling capacity of 17.7 MTPA which includes 11.7 MTPA of Export Cargo and 6 MTPA of Import Cargo to handle the materials like thermal coal, cooking coal, Aluminium products.

The marine infrastructure includes:

- ) Two breakwaters i.e 300m long north breakwater & 1300m long south breakwater.
- ) Two quay i.e 550m length & -12.5 m depth northern quay and 700m length & -15.5m depth southern quay,
- ) An approach channel of length 6200m, width of 180m & depth of -15.5m for navigation of the vessels and
- ) A turning circle of 450m dia & -15m depth is proposed for safe manoeuvring of the vessels within the port. The sizes of the vessels are proposed to be 85,000 DWT & 120,000 DWT light loaded vessels with a draft of 14.5m.

The shore based infrastructure includes cargo storage areas, stockyard, warehouses roads railway lines conveyer's pipelines, administrative building etc.

As estimated by the project proponent the total quantum of 23.5 million cum dredge spoil will be generated during the dredging process of the channels & harbour area out of which 18 million cubic meter will be used for reclamation and filling of low lying area within the port limit, 1.0 million cubic meter will be deposited on north coast for coastal protection and the balance 4.5 million cubic meter will be disposed at sea in the identified location beyond -25m contour. The annual maintenance dredging is estimated to be 0.95 million cum per annum which will be disposed to sea.

The proponent also proposed for a railway line of about 75km long from the New Bhubaneswar Railway station to the Port area and a multilane road of about 65km long from NH-16 near Phulnakhara to Port Area are proposed in this phase.

As per the Concession Agreement, Govt. of Odisha is agreed to made available total Land area of 1578.269 Ha (3899.987 Ac.) for the development of the Port. Out of the total area about 24.696 Ha of protected forest land near Astaranga area and 48.582 Ha. of Gramya jungle requires diversion for the proposed project. The Director of Ports, GoO has been applied to Forest Dept. GoO, for diversion of the Forest area to a suitable place. The total cost of the project is 7417.00 Crores.

The GPS Co-ordinates of the proposed site is located at Latitude 19<sup>o</sup> 56'00" N & Longitude 86<sup>o</sup> 17'00"E. The project site is located in the topo sheet no. E45C5 as per the map prepared by Survey of India. The CRZ map in 1:4000 scales & Reports prepared by Institute of Remote Sensing (IRS) Anna University Chennai, indicated that the proposed development activities falls on CRZ-I(A), CRZ-III(A) & (B), CRZ-IV(A) & CRZ-IV(B) zones.

As per the observation of IRS, Chennai about 30.80 Ac. of Mangrove alongside the Kadua creek and extent will be disturbed due to proposed training of 2 meanders in the creek. Creek diversion study was conducted was NIOT, Goa.

The project proponent reported that the two meandering stretches of Kadua creek will be reclaimed for the effective use of port without hindrance to the flow of water and also reported that as per the provision of CRZ Notification, 2011 amendment dated 30.12.2015, the area equivalent of 3 times the mangroves to be disturbed will be replanted in the identified north & south part outside the proposed project area in consultation with Forest Dept., Govt. of Odisha.

It is informed to the Authority that a similar type of project i.e Dhamra Port Phase-II expansion in Bhadrak district was received by OCZMA for CRZ Recommendation. The proposal involved disturbance of a large area of Mangroves inside the proposed expansion area and near the Kanika Island. The proposal was placed in the 19<sup>th</sup> meeting of OCZMA held on 18.12.2012 where the Authority decided that a Conservation Plan will be prepared and implemented by the Forest Department and the cost of which will be met by the Port Authority.

Now it is suggested that as the proposed project is a port project and involves disturbance of a large area of Mangrove, a Mangrove Management Plan for the Astaranga Port require to be prepared and implemented by the Forest Department/DFO Concerned and the cost of which will be met by the Port Authority.

The proposed activities are permissible as per CRZ Notification, 2011 under

Para 3(i) (a) "those directly related to waterfront or directly needing foreshore facilities"

Para 3(iv) (a) "required for setting up, construction or modernization or expansion of foreshore facilities like ports, harbours, jetties, wharves, quays, slipways, bridges, sealink, road on stilts, and such as meant for defense and security purpose and for other facilities that are essential for activities permissible under the notification;

Para 3(iv) (c) "maintenance or clearing of waterways, channels and ports, based on EIA studies"

Para 4(i) (a) "clearance shall be given for any activity within the CRZ only if it requires waterfront and foreshore facilities"

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

Para 8(i) (l) (i) (b) "pipelines, conveying systems including transmission lines;

Para 8(i) (l) (i) (c) "facilities that are essential for activities permissible under CRZ-I"

The project attract Environment Clearance under 7 (e) of EIA Notification, 2006 and CRZ Clearance as per Para 3(i) (a) of CRZ Notification 2011. The project required clearance

from MoEF & CC under para 4(ii) (b) (d) and (f) of the CRZ Notification 2011 after being recommended by the concerned CZMA.

The proponent has submitted Form-I of CRZ Notification, 2011, Environmental Impact Assessment study (EIA) and Environmental Management Plan (EMP) study report, Disaster Management Report, Risk Assessment and Management Plan, Drawing & design of the project prepared by M/s Chalamandalam MS Risk Services Limited a NABET accredited EIA Consultant, CZMP Approved CRZ Map in 1:25000 scale from ORSAC, Odisha & CRZ Map in 1:4000 scale demarcating HTL/LTL/CRZ Zones superimposing the Project location on the maps prepared by IRS Chennai, Google map of the project area, ToR of MoEF & CC, Govt. of Odisha order for land approval, A copy of the letter submitted to OSPCB for NOC and necessary Scrutiny fee.

OCZMA may discuss the proposal and if considered, may recommend the proposal to MoEF & CC Govt. of India for grant of CRZ clearance under CRZ Notification, 2011.

### **3. CRZ Clearance for Paradip Somnathpur-Haldia pipeline project of Indian oil corporation limited section falling within Odisha State.**

The Chief Construction Manager, (PSHPL) Indian Oil Corporation Limited (IOCL), Bhubaneswar has submitted an application for CRZ Clearance of the proposal “Paradip-Somnathpur-Haldia pipeline section falling within the State of Odisha”.

The objective of the proposed pipeline project is to meet the long term petroleum product demand of three linked top off point's i.e. Haldia- Barauni pipeline (HBPL), Baurauni-Kanpur Pipeline (BKPL) & Haldia Mourigram-Rajbandh pipeline (HMRPL) of IOCL up to 2029-30.

The proposed pipeline system will be designed to optimally transport the petroleum products such as Motor Sprit (MS), High Speed Diesel (HSD), and Superior Kerosene Oil (SKO) from Paradip to Haldia through intermediate delivery marketing terminal at Somnathpur.

The present proposal of South Eastern Regional Pipelines (SERPL) involves laying of 344 km long product pipeline from Paradip to Haldia via Somnathpur along the corridor of their existing pipeline i.e Dhamra-Haldia LNG Pipeline with a diversion point at Balasore. The total length of the pipeline is estimated to be 249 km in the state of Odisha. The capacity of the pipeline is 4.6 MMTPA.

As per the submitted report the proposed pipeline will be originate inside the Paradip Refinery and transverse in a new Right of way (RoW) for a length of around 62 km and after that it will join to the existing Paradip-Haldia Barauni Pipeline and transverse alongside the existing RoW for most parts except 25 km to the delivery station at Somnathpur Terminal in Balasore district. Out of the total 249 km length of pipeline inside Odisha, about 163 km will be transverse with the existing RoW and 181 km in a new RoW.

The pipeline will cross the major rivers i.e Mahanadi, Subarnarekha, Champa, Bhurju, Baitarani, Brahmani through Horizontal Directional Drilling (HDD) technique and minor rivers and canals through submerged crossing method. For the laying of pipeline about 18 m width of RoW will be acquired and the pipeline will be laid underground at a depth of 1.2 m

below ground level and 10-15m below the deepest point of rivers, creeks & water bodies. Cased cross technique will be adopted for crossing the roads and railways.

Paradip is the originating point and will be equipped with two booster pumping units which receive the petroleum products. There is a product delivery station at Somnathpur at

Balasore which will be provided with two transmix tanks of 500 KL capacity each along with scraper receiving and lanching facilities

The pipeline throughout the length will be provided with RTTM types leak detection system which will be interfaced with Supervisory Control and data acquisition system (SCADA). The server for controlling all the activities will be installed at Haldia, West Bengal.

As per the proposal submitted by the project proponent, no permanent land will be acquired for laying of pipeline except the new RCP/SV station. The land will be temporarily purchased from the land owner along the mainline route and an area of 4.5 Ac. is purchased by IOCL at Somnathpur terminal. Project Cost-total cost of the project is Rs. 1368 Crore,

There is no major requirement of water for operation of the pipeline system except for firefighting which will be drawn at Paradip, Haldia and Somnathpur stations.

The project proponent has carried out an EIA study for baseline environmental setting in and around the project site and an effective Environmental Management Plan both during construction and operation phases through M/s Mantech Consultant Pvt. Ltd. an NABET Accredited EIA Consultant.

The Geographical co-ordinates of the pipeline at 3 locations i.e near Pradip refinery is 20° 15' 21.98"N, 86°35' 40.99" E, near Somnathpur Terminal is 21° 29' 38.44"N 86° 50' 47.15" E and near Haldia Refinery is 22° 05' 12.19"N, 88° 06' 55.59"E.

The National institute of Oceanography (NIO), GoA carried out the CRZ study and prepared the maps in 1:4000 & 1:25000 scales superimposing the pipelines alignment which indicates that proposed pipeline covers the CRZ-III & CRZ-IV (A) & CRZ-IV (B) area and the study report reveals that the proposed pipeline route is not passing through any ecologically sensitive area such as marine parks, sanctuaries, mangroves, breeding & spawning ground of fish, wildlife habitat, bird nesting ground Olive Ridley turtles & heritage sites along.

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

Para -3(i) (a)"those directly related to waterfront or directly needing foreshore facilities"

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.."

Para 4-(ii) (d) "lying 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), Para 8-(i) CRZ-III (A) (iii)(e) & Para 8-(i) -CRZ-III (B) (ii) "Facilities for receipt and storage of petroleum products and liquefied natural gas as specified in Annexure-II"

The project does not attract Environmental Clearance as per Clause-6(a) of EIA Notification, 2006 but requires CRZ clearance from MoEF & CC, Govt. of India, under CRZ

Notification, 2011 as per Para 4(ii) (d).” Laying of Pipeline, conveying system, transmission line: required clearance from MoEF & CC after being recommended the concerned CZMA namely and permissible under the said Notification”

The proponent has submitted Form-I (Annexure-IV) of CRZ Notification,2011, EIA & EMP Report, Disaster management plan, Risk assessment and management plan, Drawings and Design of the structures, CRZ Map (in 1:4000 scale) indicating the CRZ-I, II, III& IV area and the project area superimposed in the CRZ map, CZMP approved CRZ Map (in 1:25,000 scales) ,Google map of the project area.

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

#### 4. Development of Additional activities and Facilities in the pilot blue Pilot Blue Flag Beach at Puri

The Divisional Forest Officer, Puri Wildlife Division, Puri has submitted an application for Development of Additional activities and Facilities in the pilot blue Pilot Blue Flag Beach at Puri.

Govt. of India in Ministry of Environment, Forest & Climate Change has decided to develop at least one beach into a Pilot Blue Flag Beach in each coastal State with a view to pursue international recognition through FEE certification, Denmark. ICZMP, SPMU for the State Government in the Forest & Environment Department, Govt. of Odisha selected a particular stretch of the Puri beach i.e. from Gandhi Park to May Fair hotel known as Golden Beach for the development of pilot Blue Flag Beach.

The developmental process of Pilot Blue Flag Beach includes two types of activities i.e Core and Peripheral Activities.

ICZMP, Odisha accorded CRZ Clearance from OCZMA vide letter No. 66/OCZMA Dt. 19.02.2019 for the Core activities as specified by MoEF & CC, Govt. of India except one item i.e Disabled friendly Unisex Bio Toilet block (6ftx 6ft).

Now the DFO, Puri Wildlife Division, the member & convener of the Beach Management Committee has applied for grant of CRZ Clearance for the following activities:

A. Core activities
Disabled friendly Unisex Bio Toilet block (6ftx 6ft).
B. Peripheral activities
Parking Facilities with open surface drain
Additional pathway cum jogging track about 3060 sq. m.
Fencing/ Cordoning of the beach
Sand sculpture and other Aesthetic enhancing measures (murals)
Beach Access Pathway to Parking space from the Existing Road (215m. x 6 m.)
Fresh water supply (Water Tank) along with pipelines/ connection
Additional CCTV (2 PTZ Camera & 3 Fixed Camera) installed to cover the beach area

The above activities have been permitted to be undertaking for developing Blue Flag Beach vide MoEF&CC Notification S.O. 125(E) dated 09.01.2020.

The project location superimposed CRZ map (Sheet No.25 in 1:25000 scale) indicated that all the proposed activities are located in the CRZ-II area. The total cost of the proposed project is approx. Rs. 2.75 Cr.

The proposed activity is permissible under:

Normally, buildings permitted in the CRZ-II area in the landward side of existing authorised structure under Para 8(i) (II) (i) and Para 8(i) (II)(ii).

In the instant case, all the construction activities from the (core and peripheral) are located in the landward side of the existing authorised structure.

The proponent has submitted 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, Google Map of the Site.

OCZMA may discuss the proposals in the light of the MoEF&CC Notification No. S.O. 125(E) dated 09.01.2020 and if considered, may grant CRZ clearance to the aforesaid projects under CRZ Notification, 2011.

## **5. Integrated Solid and Liquid Waste Management at 5 Tourist destinations along the coast of Puri District by ICZMP, Odisha**

The Project Director, ICZMP Odisha has submitted a proposal namely “Integrated Solid and Liquid Waste Management at 5 Tourist destinations along the coast of Puri District” for CRZ Clearance.

The proposed integrated project has been designed to address the existing solid waste and liquid waste of Puri and to check marine pollution due to wastes generated from the entire Municipality area.

### **Solid Waste**

As per Survey Conducted by Municipality the present total waste generation is approximately 120 TPD. Out of 120 TPD, 72 TPD is Wet Waste & 48 TPD Dry Waste and only 20 TPD is being processed by existing Mechanical Aerobic Plant and the Inorganic components are just dumped at the site.

The proposed project has been designed for Collection, Segregation, transportation and regional approach for processing & scientific disposal in Integrated Municipal Solid Waste Management Facility in compliance with the MSW Rules, 2016 and Protection measures for solid waste entry into sea.

Proposed development has been designed for a total 100 TPD MSW processing facility, comprising of wet waste processing facility of 55 TPD and Dry waste of 45 TPD. For wet waste of 55 TPD, it is proposed to construct decentralized Micro Composting Center (MCC) of 5 TPD capacities each i.e total 11 different locations out of which 3 locations i.e.

Talabania, Flourish India & kumuti Patana are located within coastal Regulation Zone area. In the MCC the bio-degradable waste will be converted to organic manure using the bio culture. The Compost generated will sale to Agriculture & Forest Department as decided by District Administration.

The components of MCC includes Waste receiving platform, Secondary Segregation arrangements (Conveyor) with shredder, Cubical tubs to keep shredded Bio Degradable Waste for conversion of organic manure, Screener and wheel barrow, Stabilization/ Maturation area, Manure packing and storage room /Go down, Napkin Incinerator, Rest Room Facility, Approach road Compound wall.

The Dry Waste Comprises Saleable & Non Saleable Materials. Out of 45 TPD, 30 TPD is Non Saleable & 15 TPD is Saleable. 15 TPD will be sold out to Identified Agencies. So it is proposed to construct 30 TPD decentralized processing unit (MRF) of 5 TPD each at 06 different locations, 3 locations come on coastal area i.e. Near Church Depo, Flourish India & Sanskrit University.

Puri Municipality has allotted 0.20 Ac of land for development of each MCC & MRF unit. The water requirement and electricity arrangement will be met from Puri municipality supply.

### **Liquid waste**

The project proponent reported that at present there are two major Sewage Treatment Plants (STP) in Puri area, one is at Banki Muhan and another is at Mangalaghata. At Banki Muhan, 3 nos of storm water drains enter into the existing STP and the treated effluent flows into the sea through the sandy beach causing pollution to Seawater & beach. The water quality of the outlet of STP at Bankimuhan was monitored by SPCB, Odisha for the month of September, October, November and December, 2019 and the reported that the outlet water contains fecal coliform.

Thus the proposed project is designed for (i) upgradation of the existing Bankimuhan STP- by putting more aerators and enhancing chlorine treatment so that it confirms to the prescribed standard and then release it to the sea at an appropriate distance preferably 2.0 to 2,5 kms. (ii) the disposal of the treated water to the deep sea from the beach shore considering the dilution factors and (iii) Septage treatment.

### **Toilet Blocks, RCC Dust bins & Solar light:**

The proposed project is to Provide Toilet facilities with proper water supply and containment system, Installation of Solar Street Light & Installation of RCC Dustbins and signage at 3 different location i.e Ramachandi, Chandrabhaga & Peer Jahaniya of Puri district.

Ramachandi & Peer Jahania: The activities proposed are (i) Toilet facilities with proper water supply and containment system (ii) Installation of Solar Street Light 7 (iii) Installation of RCC Dustbins and signage

Chandrabhaga: The activities proposed are (i) Construction of vending kiosks, (ii) Installation of toilets with proper arrangement of water supply and sewage,(iii) Landscaping (Pathway, Fountains, Street lighting, Coloured lightings) & (iv) Parking space for the visitors.

Out of the proposed 5 sites, the integrated solid & liquid waste management units of Konark is located outside CRZ area, the integrated solid & liquid waste management units of Puri is located in CRZ-II area as per the location superimposed on the CRZ map no 25, Chandrabhaga & Ramchandi sites are located in CRZ-IA area as per the map no. 27 & Peer Jahaniya site is located in the CRZ-III area as per the map (1:25000 scales) prepared by ORSAC and sponsored by F & E, Govt. of Odisha.

The locations of both the proposed solid & liquid waste management units are located in CRZ-II area of Puri. (CRZ Map sheet no.25).

As per CRZ Notification, 2011, the proposed activities are permissible under:

Para 3 (v) (a) “discharging treated effluents into the water course with approval under the water (Prevention and control of pollution) Act 1974 (6 of 1974).

Para 3 (v) (c) ” treatment of waste and effluents arising from hotels, beach resorts and human settlements located in CRZ areas other than CRZ-I and disposal of treated waste and effluents”

Para 8 I (ii) (b) “construction of dispensaries, schools, public rain shelter, community toilets , bridges, roads, jetty, erosion control measures , water supply, drainage, sewerage which are required for traditional inhabitants living within the biosphere reserves after obtaining approval from concerned CZMA”

The project proponent has submitted the CRZ Form-I, Rapid EIA & EMP Report, Disaster Management Report, CRZ Map in 1:2500 Scale, Drawing & design of the project for consideration for CRZ Clearance.

OCZMA may discuss the proposal and if consider may grant Clearance to the aforesaid proposals as per CRZ Notification, 2011.

## **6. Community Based Ecotourism and Waste Management at Dangamal in Bhitarkanika of Kendrapara District by ICZMP Odisha.**

The Project Director, ICZMP Odisha has submitted a proposal namely “Community Based Ecotourism and Waste Management at Dangamal in Bhitarkanika of Kendrapara District for CRZ Clearance.

Dangamal in Bhitarkanika is already popular among tourists for its scenic view, biodiversity and ecology but the site has limited facilities for the tourist as well as researchers. The objective of the proposed project is to put some new facilities or improve upon the existing ecotourism facilities towards enhancing the livelihoods of the local community through infrastructure building and trainings.

Enhanced amenities for tourists will include - Stay, Recreational and Educational facilities and Diversified and enhanced livelihoods of the fisher and other communities will include co-managing the eco stay, becoming eco guides and setting up of handicrafts and folk traditions, and eateries shops for tourists & researchers.

The proposed development includes- Construction of Interpretation Centre, gate to boating area with security cabin & public toilet, Construction of Kitchen and dining block with waste management system, Construction of three single cottages, Construction of reception area with waiting lounge, Guest house for Drivers & Ecotourism staff

Renovation of dormitory (Bani Bhawan) and converting into 2 guest houses, Renovation of the Cottages (Sundari Bhawan, Chittal Cottage), Sitting benches, Development of Parking area, Pathway lighting.

The area for the above Total Cost of the project is approx. 504.22 lakhs.

The GPS co-ordinated of the site is 20° 44' 33.0"N & 86° 52' 3"E, within the Kanika Wildlife Range. The project location superimposing in the CRZ Map sheet no. 46 (1:25000 scale) indicated that site is located in the CRZ-IA area as the area is within Bhitarkanika Sanctuary.

The above activities are permissible as per CRZ Notification, 2011 under Para 8(i) (l) “Construction of dispensaries, schools, public rain shelter, community toilets, bridges, roads, jetties, water supply, drainage, sewerage which are required for traditional inhabitants living within the biosphere reserve after obtaining approval from concerned CZMA.

The proponent has submitted Form-I as per the CRZ Notification, 2011, EIA & EMP Report, Disaster Management Report, Risk Assessment and Management Plan, CRZ Map superimposing the project location in 1:25,000 scale, Detailed project Report, Drawings and designs of the project proposal.

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

Name of the project & project proponent	Project location (GPS-Co-Ordinates)	Size of the project (in terms of area)	CRZ Status & map no.	Permissible provision under CRZ Notification	Project cost and funding source	Brief description about the construction
Community Based Ecotourism and Waste Management at Dangamal in Bhitarkanika of Kendrapara District by ICZMP Odisha.	20° 44' 33.0"N & 86° 52' 3"E, within the Kanika Wildlife Range		CRZ-IA area as the area is within Bhitarkanika Sanctuary  CRZ Map sheet no. 46 (1:25000) scale	Para 8(i) (l)	Rs.. 504.22 lakhs approx	<ul style="list-style-type: none"> <li>) Construction of Interpretation Centre,</li> <li>) Entranse &amp; Exist gate</li> <li>) security cabin &amp; public toilet,</li> <li>) Construction of Kitchen and dining block with waste management system,</li> <li>) Construction of three single cottages, C</li> <li>) onstruction of reception area with waiting lounge,</li> <li>) Guest house for Drivers &amp; Ecotourism staff</li> <li>) Renovation of dormitory (Bani Bhawan) and converting into 2 guest houses,</li> <li>) Renovation of the Cottages (Sundari Bhawan, Chittal Cottage),</li> <li>) Sitting benches,</li> <li>) Development of Parking area, Pathway lightin</li> </ul>

## 7. Community Based Ecotourism and Waste Management at Chandipur of Balasore District by ICZMP Odisha.

The Project Director, ICZMP Odisha has submitted a proposal namely "Community Based Ecotourism and Waste Management at Chandipur of Balasore District for CRZ Clearance.

Chandipur is a major tourist destination of Balasore district. The beach is unique in that the water recedes up to 5 kilometers during the ebb tide. The unique circumstance of the beach makes Chandipur one of the most spectacular seashores despite of all the site has limited facilities for the tourist.

The proposed project is designed to put in new or improve upon the existing ecotourism facilities towards enhancing the livelihoods of the local community through infrastructure building and trainings.

Enhanced amenities for tourists will include - Stay, Recreational and Educational facilities and Diversified and enhanced livelihoods of the fisher and other communities will includes

co-managing the eco stay, becoming eco guides and setting up of handicrafts and folk traditions, and eateries shops for tourists & researchers.

The proposed development includes- Pathway with nature trail, Entrance gate with security cabin, Parking, Restaurant with reception & waiting, Office & store, Renovation of the existing FRH, Staff quarters, Dormitory for staff & drivers, Reorganising of existing stone pitching of the sea side area , 4 nos of cottages, Watch tower, Sit out, Stepped sit out (2nos), Children’s play area, Signages, Solar light, Land scaping & plantation, Extension & upgradation of existing jetty

The area for the above Total Cost of the project is approx. 504.22 lakhs.

The GPS co-ordinated of the site is 21° 27’ 7.23”N & 87° 2’ 25.04”E. The project location superimposing in the CRZ Map sheet no. 86 (1:25000 scale) indicated that site is located in the CRZ-II area of Chandipur.

The above activities are permissible as per CRZ Notification, 2011 under

Para 8(i) (I) “Construction of dispensaries, schools, public rain shelter, community toilets, bridges, roads, jetties, water supply, drainage, sewerage which are required for traditional inhabitants living within the biosphere reserve after obtaining approval from concerned CZMA.

The proponent has submitted Form-I as per the CRZ Notification, 2011, EIA & EMP Report, Disaster Management Report, Risk Assessment and Management Plan, CRZ Map superimposing the project location in 1:25,000 scale, Detailed project Report, Drawings and designs of the project proposal.

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

Name of the project & project proponent	Project location (GPS-Co-Ordinates)	Size of the project (in terms of area)	CRZ Status & map no.	Permissible provision under CRZ Notification	Project cost and funding source	Brief description about the construction
Community Based Ecotourism and Waste Management at Chandipur of Balasore District by ICZMP Odisha	21° 27’ 7.23”N & 87° 2’ 25.04”E,		CRZ-II  CRZ Map sheet no. 86 (1:25000) scale	Para 8(i) (I)	Rs.403.18 lakhs approx	<ul style="list-style-type: none"> <li>) Pathway with nature trail,</li> <li>) Entrance gate</li> <li>) security cabin,</li> <li>) Parking,</li> <li>) Restaurant with reception &amp; waiting,</li> <li>) Office &amp; store,</li> <li>) Renovation of the existing FRH, Staff</li> </ul>

						quarters, Dormitory for staff & drivers, ) Reorganisation of existing stone pitching of the sea side area , ) Construction of 4 nos of cottages, Watch tower, Sit out, Stepped sit out (2nos), ) Children's play area, ) Signages, Solar light, Land scaping & plantation, ) Extension & upgradation of existing jetty
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**8. Construction of pumping station near Hotel Sterling Resort for diversion of waste water flowing in storm water drain to Sea, Puri by Odisha Water Supply & Sewerage Board (OWSSB).**

The EIC-cum-Member Secretary, Odisha Water Supply & Sewerage Board (OWSSB) has submitted an application for seeking CRZ Clearance of the proposal "Construction of pumping station near Hotel Sterling Resort for diversion of waste water flowing in storm water drain to Sea.

The Water Resource Department, Govt. of Odisha has constructed a storm water drainage system in the Puri area and now it is observed by the Dept. that waste water flowing in the storm water drain get discharged in to sea near Hotel Sterling Resort causing serious environmental degradation in Puri Town.

The proposed proposal was decided in the review meeting chaired by Chief Secretary, Odisha on 16.09.2017 that the waste water flowing in the storm water drain required to be treated before disposal to sea. H& UD Dept., GoO vide letter no. 23079 dt. 11.10.2017 and letter no. 8429 dt. 03.04.2018 accords the administrative approval and instructs the OWSSB to take up the work.

The existing storm water drain along the marine drive in front of Swargadwar terminated near Sterling Resort outside the Municipal boundary. It has a large catchment area. The average dry weather flow is assured at 1 MLD. Now the project proponent proposed to intercept the dry weather flow & divert it to a wet well with a pumping station and laying of pipeline of 3.5 km. The waste water from that wet well will be pumped through the proposed sewerage pipeline and will join to the existing sewerage pipeline in front of Hotel Sonali which will then flow to Bankimuhan Waste Water Treatment Plant by gravity through the existing drain. The proposed area of pump house is proposed 20mx 20m with 4 m height.

The Tahasildar, Brahmagiri vide letter no. 2439 dt. 29.07.2019 allotted Ac 0.06 dec out of Ac 4.40 dec in plot no. 540 pertaining to khata no. 520 mouza Sipasarubili for the construction of Waste Water Pumping station. The Cost of the project is Rs. 2.17Cr. The CRZ Map indicated that the site is located in the CRZ-II area of Puri. The Geographical co-ordinates of the waste water pumping station is 19<sup>0</sup> 47' 00.83"N 85<sup>0</sup> 47' 07.73"E.

The activities proposed are permissible under CRZ Notification, 2011 as per:

Para 8(i)(II)(i) "buildings shall be permitted only on the landward side of the existing road or on the landward side of existing authorised structures.

Para 8(i)(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 landward side of any new roads which are constructed on the sea ward side of an existing road"

OCZMA may discuss the proposal and if consider may grant CRZ Clearance to the aforesaid proposal as per CRZ Notification, 2011.

## **9. Construction of Residential Apartment at Puri by Sri Rajesh Kumar Sahoo.**

Sri Rajesh Kumar Sahoo has submitted a proposal "Construction of residential apartment at Puri" for CRZ clearance.

The proposed project is a S+4 floors residential apartment which proposed to be constructed over plot no. 360/428(p), khata no. 30, Mouza Sipasarubili, P.S Puri Sadar. No.78. Size of the plot is 854.70 sq.m. and is a private vacant land under the possession of the project proponent. Ground coverage of the proposed construction is 418.4 sq.m and the total built up area of the apartment is 2092 sq.m. The FAR of the building is 1.96. The height of the building is approx. 15m. The ground floors of the building covers mostly stilt area, stair case and lift & security room. The all 4 upper floors contain 11 rooms each with attached toilets. There is a 40ft road in the east side of the plot and a 20ft road in the north side of the road. The total cost of the project is Rs. 3 Crore.

The water requirement is estimated to be 5KLD and will be sourced from Puri Municipality. Power requirement is 50kw which will be sourced from Central Electricity Supply Utility (CESU). Solid waste generated will be estimated to be 40kg/day which will hand over to the authorised solid waste collection agency. The liquid effluent generated will be treated by STP and treated water will be to the sewerage pipeline. All necessary Fire safety precaution will be taken during construction as well as operation phase. Stilt will be used for parking. Wind resistance local species will be planted along the boundary side.

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.

The geographical coordinates of the project site is 19<sup>0</sup> 47' 23.39"N, 85<sup>0</sup> 47' 51.04" E, 19<sup>0</sup> 47' 23.30"N, 85<sup>0</sup> 47' 50.18" E, 19<sup>0</sup> 47' 22.21"N, 85<sup>0</sup> 47' 50.31" E, 19<sup>0</sup> 47' 22.29"N, 85<sup>0</sup> 47' 51.19" E.

The project location superimposed on the CRZ Map indicated that the site is located in the CRZ-II area of Puri and is located on the land ward side of the existing road (Sheet No. 25, 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 proposed activity is permissible under:

Para 8(i) (II)(i) “buildings shall be permitted only on the landward side of the existing road or on the landward side of existing authorised structures.

Para 8(i) (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 landward side of any new roads which are constructed on the sea ward side of an existing road”

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

The proponent has submitted 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.

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

**10. Installation of temporary vending kiosks to regulate beach vendors and ancillary facilities to enhance aesthetic view as well as to ensure proper cleanliness of a stretch of beach at puri with an objective to ensure safety and hygiene of tourist by Divisional Forest Officer, Puri Wildlife Division.**

The Divisional Forest Officer, Puri has submitted a proposal “Installation of temporary vending kiosks to regulate beach vendors and ancillary facilities to enhance aesthetic view as well as to ensure proper cleanliness of a stretch of beach at puri with an objective to ensure safety and hygiene of tourist” for CRZ Clearance.

Puri District Administration plan to rehabilitate the beach vendors to a permanent place and it is estimated that it will take at least 2 years. In the meantime, a transitional rehabilitation plan is prepared by the District Administration to provide well designed vending kiosks to all existing vendors on the beach for a period of around 2-3 years.

The objectives of the proposed project is to regulate beach vendors and ancillary facilities to enhance aesthetic view as well as to ensure proper cleanliness of a stretch of beach at puri and safety and hygiene of tourists by Installing the temporary vending kiosks.

The total length of the proposed temporary vending area will be Approximately 2.5 kms. the site selected is from Puri Hotel to Hotel CoCo Palm. As per design a total 38 numbers of clusters are proposed and will be installed in two stretches. There will be provision of 20m gap between two clusters for free access to beach for the tourist.

Stretch -A contain 15 cluster & 4 nos of control room kiosk. Each cluster contains 15 kiosk and two nos of washroom. The size of the cluster is 17.5mx 11.0m and size of each kiosk is 2mx 2m. Total length Stretch -A is 537m.

Stretch -B contain 23 cluster & 8 nos of control room kiosk. Each cluster contains 19 kiosk and two nos of washroom. The size of the cluster is 17.5mx 13.0m. Total length Stretch -B is 849m.

As reported by the project proponent the structure is designed with WPC (Wood Plastic Polymer Composite) Foam Board, having the Density of 550kg/m<sup>3</sup> , Thickness 25mm, WPC column members of dimension (127 mmX63.5MM) and Density of 900 kg/m<sup>3</sup> with base frame (Foundation), Roof frame of dimension of 102mmX63.5mm and density 9000 kg/m<sup>3</sup>). Canopy roof made of PVC coated Tensile Fabric materials of size 102mmx63.5mm, made of GI (Galvanised Iron) of square Structures to withstand the wind velocity of 130k.m/hr. WPC foam Board will be used for the floor and wall of the kiosk which will be water, termite/ Fire proof and made up of eco-friendly material. Kiosk will be lighted by most affordable solar lighting system. The total cost of the project is approx. Rs. 9.57 Cr.

For installation of the kiosk some excavation will be occurs only for foundation but no concrete will be used. Wood Plastic Polymer Composite (WPC) will be used below the ground level for foundation. For floor 25mm board made up of water, fire & termite proof material will be used. The wall of the kiosk is 25mm WPC Board.

The fresh water for the bathrooms will be sourced from Puri Municipal supply. The waste water from the washroom will be connected to the nearby drain. For the collection of solid waste, two nos. of Solid waste collection bins area proposed for each cluster.

The Geographical co-ordinates of the site is 19<sup>0</sup> 47' 19.6"N & 85<sup>0</sup> 48 21.21E & 19<sup>0</sup> 47' 39.24"N & 85<sup>0</sup> 49 25.22E. Superimposing the locations in the CRZ Map sheet no.25 indicates that the proposed activities are located on the sea ward side of the existing road.

As per CRZ Notification, 2011 Para 4(i) (d) "construction involving more than 20,000 sq mts built up area in CRZ-II shall be considered in accordance with EIA Notification, 2006 and in case of project less than 20,000 sq mts built up area shall be approved by the concerned state planning authority in accordance with this notification after obtaining recommendation from the concerned CZMA..." shall be regulated in the CRZ-II area.

Para 8 (II) (i) & (ii) "Buildings shall be permitted only on the landward side of the existing road or on the landward side of the existing authorized structures..."

However, DFO, Puri, Wildlife Division, reported that all the structures proposed in these projects are purely temporary in nature & no RCC construction is proposed and the structures can be removable within 48 hours.

OCZMA may discuss the proposal and take a decision in this matter.

#### **11.CRZ clearance for "Operation of Water Sports Activities at Chandrabhaga Beach, Konark, Puri" by Khusi Water Sports.**

The Proprietor of Khusi water Sports, Konark has submitted a proposal for CRZ Clearance for "Operation of Water Sports Activities near Chandrabhaga Beach.

As per the submitted reports & documents the site selected for the proposed activity is near Chandrabhaga Beach. The GPS Co-ordinates of the proposed site is 19°51'55.19"N, 86°06' 43.37"E to 19°51' 57.73"N; 86°06' 53.30"E. The size of the project is 300 m. The Proposed project will provide following water sports facilities for the beach tourism.

- ) All-Terrain Vehicle (ATV): 3 nos ,2 seated capacity each
- ) Speed Boat: 2 Nos with 6 Seated capacity each
- ) Banana Boat:1 nos. 3-6 person capacity

The proposed activity is related to “water front” as it will operate water sport craft / small vessels and ATV Vehicles. RCC construction is not proposed in this activity.

For all the operations, necessary safety provision like jackets, crash helmet, first-aid kits and fire extinguisher and UHF/ GPS for communication will be provided. The activities will be operated under the surveillance of the experts & guide.

**The cost of the proposed project is Rs. 28 Lakhs.**

The project location in the CRZ Map in 1:25,000 scale indicated that the operation area of the water sports activities fall in CRZ-IV (A) i.e Sea & CRZ-I (B) inter tidal area. The CRZ-IV-A area will be used for Operation activity and CRZ-I B for boarding and landing purpose.

The proposed activity is permissible under CRZ Notification, 2011 as per Para 3 (i) (a) “these directly related to water front or directly needing foreshore facilities” &

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

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

The project proponent has submitted Form-I of CRZ Notification 2011(annexure-iv), Environment Impact assessment & management plan, Disaster Management Plan, NOC from Pollution Control Board (applied), and CZMP approved CRZ Map in 1:25000 Scales showing the project location on the map & Detail Project Report for consideration of the proposal for CRZ Clearance.

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

## **12.CRZ clearance Operation of Water sports activities at Gopalpur Beach, Puri by M/s Dunnimaa Engineers and Drivers Enterprise Pvt. Ltd.**

The Director of “Dunnimaa Engineers and Drivers Enterprise Pvt. Ltd”, Mumbai has submitted a proposal for “Operation of Water Sports Activities at Puri Beach” for CRZ Clearance.

The aim of the project is to develop adventures tourism and increase employment opportunities for the locals.

The proposed project selected two sites for the water sports activity:

**Site-1** is from Puri Hotel to hotel Mahadadhi Palace. Total length is 500 m & the GPS Co-ordinates is 19° 47' 41.34"N, 85° 49' 31.64"E to 19° 47' 36.29"N, 85° 49' 15.53"E.

**Site-2** is from Hotel Mayfair to Hotel Holiday Resorts (1km) and the GPS Co-ordinates is 19° 47' 52.16"N, 85° 50' 05.94"E to 19° 48' 00.74"N, 85° 50' 40.27"E

The Proposed project will provide following items for the beach tourism.

- Jet Ski: 8 nos
- Motor /Speed boat:6 nos
- Parasailing boat: 01 no
- Inflatables:10 nos
- ATV(All- Terrain Vehicle):10 nos
- Surfing: 3 nos
- Jeep Parasailing: 2 nos
- Powered Parashute:02 nos

No RCC Constructions will be proposed in this project. Necessary safety measures like life Jackets, crush Helmets will be provided to the tourists at the time of ride. The activities will be operated under the surveillance of the experts & guides. First-aid kits and fire extinguisher and UHF/ GPS for communication will be provided. **The cost of the proposed project is Rs. 3.09 Cr.**

The project location superimposing in the CZMP approved CRZ map in 1:25,000 scale indicated that the operation of the water sports area fall in CRZ-IV (A) Sea water body, CRZ-IV(B) tidal influenced water bodies, as per the CRZ Notification, 2011. The proposed activity will also operate in CRZ-I (B) (Intertidal area) for boarding and landing purpose.

The proposed activity is related to “water front” as it will operate water sport craft / small vessels and no RCC construction is proposed.

The proposed activity is permissible under CRZ Notification, 2011 as per Para 3 (i) (a) “these directly related to water front or directly needing foreshore facilities” &

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

The proposed activity receives NOC from Dept. of Tourism, Govt. of Odisha & Port& IWT govt. of Odisha.

The project proponent has submitted Form-I of CRZ Notification 2011(annexure-Iv), Environment Impact Assessment & Management Plan, Disaster Management Plan, CZMP approved CRZ Map in 1:25000 Scale showing the project location on the map & Detail Project Report for consideration of the proposal for CRZ Clearance.

***OCZMA may discuss the proposal and if considered, may grant CRZ clearance to the***

*aforesaid project under CRZ Notification, 2011, stipulating necessary guidelines.*

### **13. Reviewing of CRZ Map no. 46, sheet no. F 45 U 11/SE**

The Chief General Manager, Numaligarh Refinery Limited reported that Govt. of India has approved the capacity expansion project of Numaligarh Refinery Limited from 3MMTPA to 9 MMTPA by importing crude oil via Paradip Port of Odisha. In order to facilitate storage of import crude, NRL proposed to set up a crude oil terminal (COT) near Paradip Port Area for which 200 acres of land within the port limit of Paradip Port Trust.

While Superimposing the project site on the CRZ map the project proponent observed that few patches of land allotted by PPT are coming under CRZ-I (A) area as per CZMP approved CRZ Map. For verification, physical and a drone study was carried out by the project proponent for ground truthing and found that there is no CRZ-IA attribute present in the allotted land related to the proposed area as mentioned in the CZMP Map approved CRZ Map No.46.

In view of the above, NRL has requested the Authority vide Letter no. Nil dt. 12.08.2019 to consider for review the CRZ Map no. 46, sheet no. 45-U-11/SE pertaining to the Paradip port land where the proposed crude oil terminal (COT) facilities of NRL shall be installed.

As per procedure the proposal was recommended to the Joint Director (CRZ), MoEF & CC for reviewing & rechecking of the CRZ Map of that particular area with the following observations:

- I. The land identified for the proposed development is located within the port area of Paradip Port Trust which is a CRZ-II area.
- II. There is no indication of any CRZ-IA attributes in 1991 CZMP approved CRZ Map
- III. The SAC approved LULC map also does not give indication of any attributes of CRZ-IA
- IV. On verification drawn study data it is found that there is no mangrove present in that area
- V. Regarding the water channel, it needs monitoring in non-monsoon season to ascertain as to whether they are perennial or not.

As per the direction of MoEF & CC Letter No. F.No.12-2/2018-IA.III Dt.1/10/2019, site inspection was carried out by the scientists of NCSCM, Chennai, officials of F&E Dept. Govt. of Odisha and ORSAC Bhubanesware on 19.12.2019. After site inspection NCSCM vide letter no. NCSCM/NCZMA/20-0005 dt. 01.01.2020 requested the Authority to conduct the salinity study of the 8 sites (as per their proforma given) through an NABL Accredited laboratory and forward the analysis report to NCSCM for reviewing the map.

Accordingly the two NABL Accredited laboratories i.e M/s Kalyani Laboratories Limited & M/s Centre for Envotech and management consultancy Pvt. Ltd. were requested

to carry out the study vide authority letter no. 07/OCZMA Dt. 14.01.2020 and the analysis report of the laboratories were communicated to NCSCM vide letter no.14/OCZMA Dt. 27.01.2020.

Now Mr. M Dharma Raj, Sr, Scientific Consultant, NCSCM, Chennai has submitted the draft revised map No 46 (Sheet No. F 45 U 11/SE), related to the proposed COT of Numaligarh Refinery Limited at Paradip Port, Odisha, for perusal/review and comments/concurrence of the Authority.

As ORSAC is preparing the draft CZMP for Odisha as per CRZ Notification,2019, accordingly the draft revised map of NCSCM was communicated to ORSAC vide letter no. 69/OCZMA Dt. 19.05.2020 for their observations. The Chief Executive ORSAC has replied vide letter no. 1489 Dt.1.6.2020 that revision of the Map no.46 as prepared by NCSCM is as per the ground truth collection made by the scientist of ORSAC in the joint field visit on the proposed site of NRL.

OCZMA may examine the draft revised maps in detail submitted by NCSCM and consider recommending the draft revised map to NCSCM with perusal/review and comments/concurrence for finalization of the map.

**D. Any other issues with the permission of Chair**