

Agenda notes for the 35th meeting of the Odisha Coastal Zone Management Authority (OCZMA) scheduled on 12.01.2021 at 11.00 AM.

A. Confirmation of the minutes of the 34th meeting of OCZMA held on 19.06.2020

The minutes of the 34th meeting of OCZMA were sent to all the members vide letter no. 116/OCZMA Dt. 08.07.2020, 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	CRZ clearance for "Operation of Water Sports Activities at Chandrabhaga Beach, Konark, Puri" by Khusi Water Sports.	OCZMA discussed the proposal and decided to grant CRZ clearance to the aforesaid project under CRZ Notification, 2011.	Clearance order was issued to the proponent vide letter No. 130/OCZMA dt. 13.07.2020, with copy to all concerns.
2	CRZ clearance for Operation of Water sports activities at Puri Beach, Puri 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.	Clearance order was issued vide letter No. 138/OCZMA dt. 13.07.2020 with copy to all concerns.
3	Construction of Residential Apartment at Puri by Sri Rajesh Kumar Sahoo.	OCZMA discussed the proposal and decided to recommend the proposal to the Puri Konark Development Authority (Local Town Planning Authority) as per para 4 (i) (d) under CRZ Notification, 2011.	The proposal was recommended to the Puri Konark Development Authority (PKDA) vide Letter No. 142/OCZMA dt. 13.07.2020.
4	Development of an all-weather multiuser Greenfield Port at Astaranga, Puri District, Odisha by M/s Navayuga Engineering Company Limited (NECL).	Authority heard the presentation made by the project proponent and after due deliberation, opined that there were no clarity on certain important environmental aspects. So it was decided that the following documents are required for consideration of the proposal. I. To find out the possibility of not disturbing the mangroves areas around the creek and to acquire land in the safer side which has no mangroves, If not, a complete justification will be required. II. A relevant modeling study to access the possible impact on shoreline	The decision of the Authority was intimated to the project proponent vide Letter No. 127 dt.13.07.2020. Response is awaited.

		<p>stability (coastal erosion) near the project area will be required.</p> <p>III. Report on loss of benthic flora & fauna and its management.</p> <p>IV. Preparation of a Mangroves conservation and Management Plan after taking due inputs from the concerned DFO for the loss of mangroves to be incurred during implementation and operation of the project.</p>	
5.	CRZ Clearance for Paradip Somnathpur-Haldia pipeline project of Indian Oil Corporation Limited (IOCL) falling within Odisha State.	OCZMA discussed the proposal and consider recommending the proposal to MoEF & CC, Govt. of India for grant of CRZ clearance as per the provisions of CRZ Notification, 2011	The proposal was recommended to Govt. of India vide Letter No. 124 dt. 13.07.2020.
6	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).	OCZMA decided to grant CRZ clearance for implementation of the above project under CRZ Notification, 2011 subject to change of route and destination of wastewater from Bankimuhan to Mangalaghat and submission of EIA report	Decision of the Authority was communicated to the Applicant vide Letter No. 150 dt. 31.07.2020
7	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.	OCZMA discussed the proposal and granted permission in favour of the proposal	Permission was granted in favour of the proposal vide Letter no. 151 dt. 31.07.2020.
8	Development of Additional activities and Facilities in the pilot Blue Flag Beach at Puri by Divisional Forest Officer, Puri Wildlife Division, Puri.	OCZMA discussed the proposal in the light of the MoEF & CC Notification No. S.O. 125(E) dated 09.01.2020 and grant CRZ clearance to the aforesaid projects under CRZ Notification, 2011.	Clearance order was issued vide Letter No.128 dt.13.07.2020
9	Integrated Solid and Liquid Waste Management at 5 Tourist destinations along the coast of Puri District by ICZMP, Odisha	OCZMA discussed the proposal and decided to grant Clearance to the proposals i.e Solid waste management at Puri, Toilet Blocks, RCC Dust bins & Solar light at	Clearance order was issued in favour of Solid waste management at Puri, Toilet Blocks, RCC Dust bins & Solar light at Ramchandi,

		Ramchandi, Chandrabhaga & Peer Jahaniya site under CRZ Notification, 2011 and recommend the Liquid waste management proposal of Puri to MoEF & CC, Govt. of India for grant of CRZ clearance as per the provisions of CRZ Notification, 2011	Chandrabhaga & Peer Jahaniya site vide Letter No. 120 dt. 13.07.2020. The Liquid waste management proposal of Puri was recommended to Govt. of India vide Letter No. 118/OCZMA dt. 13.07.2020.
10	Community Based Ecotourism and Waste Management at Dangamal in Bhitarkanika of Kendrapara District by ICZMP Odisha	OCZMA discussed the proposal and decided to grant CRZ clearance to the aforesaid projects under CRZ Notification, 2011. It was also decided to ask the concerned DFO to provide details tourist footfall at present & expected footfall after implementation of project and assess its impact on wildlife. He should also give an undertaking to take adequate steps so that the wildlife is not disturbed.	Clearance order was issued vide Letter No. 139 Dt. 13.07.2020. The decision of the Authority was communicated to the DFO, Rajnagar vide letter No. 145 dt. 13.07.2020.
11	Community Based Ecotourism and Waste Management at Chandipur of Balasore District by ICZMP Odisha	OCZMA discussed the proposal and decided to grant CRZ clearance to the aforesaid projects under CRZ Notification, 2011.	Clearance order was issued vide Letter No. 134 Dt. 13.07.2020.
12	Reviewing of CRZ Map no. 46, sheet no. F 45 U 11/SE	The Authority acknowledged the fact that as per MoEF&CC's guidelines, an elaborate process has been followed for rectification of the map. Accordingly, OCZMA considered recommending the draft revised map to NCSCM for finalization of the map	The map was finalized. MoEF & CC approved and signed the map. The approved map was communicated to the ORSAC for reference and public use.
13	Preparation of Coastal Zone Management Plan (CZMP) based On CRZ Notification, 2019	The Authority heard the matter and approved the draft CZMP for submission before the Technical Scrutiny Committee, NCSCM for recommendation to NCZMA.	The draft final CZMP prepared on the basis of CRZ Notification, 2019 was submitted to the Joint Secretary, MoEF & CC vide Letter No. 11803/F&E Dept. Dt. 30.07.2020 for

			<p>approval and copy forwarded to the Director, NCSCM, Chennai.</p> <p>The Director, NCSCM vide email dt.9 Sept. 2020 asked OCZMA to comply certain queries and the queries was complied vide Letter no. 257 dt. 13.11.2020.</p> <p>Thereafter, Odisha CZMP was placed in the 9th Technical Scrutiny Committee Meeting held on 20.11.2020. The salient features of the minutes related to Odisha CZMP are attached as Annexure-1</p>
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C. Fresh Proposal

1. Anti-Sea Erosion work to protect Saline Embankment at Chandipur and Parikhi in Balasore District under NABARD Assistance project by Balasore Irrigation Division, Balasore

The Executive Engineer, Balasore Irrigation Division, Balasore has submitted a proposal namely "Anti Sea Erosion work to protect Saline Embankment at Chandipur and Parikhi under NABARD Assistance project" for CRZ Clearance.

The proposed construction is to strengthen the existing embankment by adding protection measures in order to protect the agricultural lands as well as households from damage due to saline inundation, checking of soil erosion along the coast and to provide alternative communication facilities over the Saline embankments.

About 9.31 Ha. of undeveloped Govt. land is taken for the proposed construction purpose. The length of the embankment is proposed to be 1570 meter at Chandipur & 670 meter at Parikhi site.

- a) Chandipur Saline embankment is proposed from Chandipur Panthanivas to Balaramgadi i.e the confluence point of river Budhabalanga and Bay of Bengele as the area is mostly affected due to tidal wave action of Bay of Bengal and erosion is taking place regularly. The length of the propose embankment is 1570meter with top width of 5m and side slope as 2:1 in country side and 3:1 near seaside.
- b) The Parikhi saline embankment is proposed to located at the confluence of river Budhabalanga river. The proposed construction is to strengthen the existing embankment by launching and packing for a length of 670m with armory stone to protect the area from erosion.

The project location superimposed in CRZ Map No. 86 Sheet No. F-45 P3/NW indicated that the construction of anti-Sea erosion work of Chandipur is located in CRZ-II area of Chandipur and the anti-Sea erosion work of Parikhi is located in CRZ-I(B) Inter tidal area of Budhabalanga river.

Geographical location:-

- Chandipur- 21° 27' 13" to 21° 27' 39" N & 87° 02' 33" E to 87° 03' 12" E
- Parikhi- 21° 28' 18" to 21° 32.5" N & 87° 04' 10" to 87° 03' 51.5" E

The project proponent submitted an EIA report which includes environmental management plan both during construction and operation phase and the Disaster Management Plan. As per the report, Water Resource Department is responsible for day to day management of all construction packages as it is the executing line department for saline embankment sector.

The proposed project is a permissible activity as per the provisions of CRZ Notification, 2011 under Para

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

Explanation: 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.;

3iv(b) "measures for control of erosion, based on scientific including Environmental Impact Assessment (hereinafter referred to as the EIA) studies" &

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

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

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, 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.

2. Construction of High Court Guest House at Puri

The District Judge, Puri has submitted a proposal namely "Construction of High Court Guest House at Puri" for CRZ Clearance.

The proposed construction of High Court guest house at Puri is for the official meeting and other important activities of the judicial department of the state and recreation of the other states judicial staffs. Thus it is only for Residential use and not for Commercial use.

The total area acquired for the proposed project is 0.625 Ac. or 27224.95 sq.ft. The proposed building will be constructed in the land over Khata No. 88/94, Plot No. 135,137/375,138, Puri Town, Gandhi Ghat. The Kissam of the land is Garabari. The proposed construction is a B+G+3 storied building. As per design the basement of the building will be 9209.48 sq.ft, ground floor area covers 9615.13 sq.ft, first floor area covers 8831.8 sq.ft, second floor covers 9108.34 sq.ft, Third floor covers 9108.34 sq.ft. Portico area will be 301.28 sq.ft. For parking an area of 9104 sq.ft will

be allocated. Thus the total built up area of the proposed building is estimated to be 36663.61 sq.ft or 3406.16 sq.m. The FAR of the building is 1.33. Height of the building is 14.7 mtrs. The cost of the Project is 2021.267 lakhs.

As per the report submitted, the solid waste during construction phase will be dumped in the low lying area and during operation phase the waste will be handed over to the Authorised collection agency of Puri. The biodegradable waste will be composted and will be used in the garden. The effluent generated will be kept in the soak pit and then it will be released to the Puri Municipality sewerage drain. The Electricity demand of the project is estimated approx. 5 KW which will be sourced from SOUTHCO. Water demand of the project will be met from the Municipality supply. The project proponent received the NOC from Puri Municipality for disposal of waste and sewage, NOC from Tahasildar, Puri, NOC from PHEO from water supply connection and sewerage connection, NOC from the Jagannath Temple Administration and NOC from the Puri Fire Station.

The project proponent submitted the CRZ Map no.25 sheet no. E 45B 13/SW in 1:25000 scale superimposing the project location which indicated that the project site is falling in CRZ-II area of Puri and is about 260 mtr from the HTL line. The Governor house Road is passing in front of the proposed site and several existing authorised structures are present between the proposed site and the HTL Line.

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

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

Para 8. II. CRZ-II (i) (i) "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 Environment Clearance under EIA Notification, 2006. (Total built up area is less than 20,000 sq.m)

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), Drawings and designs of the project proposal, Structural stability Certificate, NOC from Puri Municipality for disposal of waste and sewage, NOC from Tahasildar, Puri, NOC from PHEO from water supply connection and sewerage connection, NOC from the Jagannath Temple Administration and NOC from the Puri Fire Station.

OCZMA may discuss the proposal and if considered, may recommend the proposal to Puri Konark Development Authority (Local Town Planning Authority) under CRZ Notification, 2011 for grant of clearance.

3. Setting up of Radar Station under CSN Phase-II by Indian Coast Guard, Ministry of Defence at Arakhakuda, plot no.927/1470, khata no. 255(AJA), Tahasil Brahmagiri , Dist Puri.

The Commandant (JG), Indian Coast Guard, Odisha has submitted a proposal namely "Setting up of Radar Station under CSN Phase-II by Indian Coast Guard, Ministry of Defence at Arakhakuda, plot no.927/1470, khata no. 255(AJA), Tahasil Brahmagiri , Dist- Puri " for CRZ clearance.

Indian coast guard is implementing an Integrated Coastal Surveillance System (ICSS) along the coastline of India for ensuring maritime security. The ICSS system is capable of detecting the 20meters boats, fishing vessels, country boats in all weather conditions and the potential users of the radar is Indian Coast Guard (ICG) for coastal security purpose, Indian Navy for surface target surveillance, Directorate General of Light House and Lightship, Ministry of Shipping for natural coastal vessel traffic service etc.

The projects envisages the installation of radar station, Equipment shelter on a single lattice tower, one equipment room, security guard room with toilet and security post, 6 ft height RCC wall and approach road of 140x8 mtr. The total built up area of the project is 266 sq.m.

The project proponent has submitted an EIA & EMP Report prepared by Mantras Green Resources Ltd a NABET accredited consultant for the preparation of EIA report. The water demand of the proposed project is 2 KW which will be met from the local source. Power requirement of the project is 24 KW which will be sourced from the State Electricity Board, however there will be provision of 2 nos. of D.G Sets and 1 solar panel of capacity 60 KW. The solid waste generated during construction phase will be used for filling the low-lying area and during operation phase it is estimated that about 1 kg of waste will be generated and will be disposed as per the waste management process. The projects contain the Environmental Management Plan both during Construction and operation phase.

The GPS Co-ordinates of the proposed project is 19° 42' 57.54"N & 85° 30' 00.51"E. The project proponent submitted the CRZ map in 1:25000 scale & 1:4000 scale superimposing the project location prepared by Indian Institute of Remote sensing, Chennai, indicated that the site is coming under CRZ-III area.

The proposed Radar stations is a permissible activity as per CRZ Notification 2011 under Para

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

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

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

The project requires CRZ clearance from MoEF & CC, Govt. of India, under CRZ Notification, 2011 as per Para 4(ii) (b) "construction activities relating to projects of Department of Atomic Energy or Defence requirements for which foreshore facilities are essential such as slipways, jetties, wharves, quays, except for classified operational component of defence projects. Residential buildings, office buildings hospital complexes, workshop of strategic and defence projects in terms of EIA Notification, 2006" required clearance from MoEF & CC after being recommended the concerned CZMA namely and permissible under the said Notification".

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, Project Report, CRZ Map (1:25,000 scale prepared by ORSAC & Sponsored by F& E Dept. Govt. of Odisha, Drawings and designs of the project proposal, 1:4000 scale CRZ map prepared by IRS, Anna University, Chennai, land lease deed. From defence Estate Office Odisha Circle, Bhubaneswar, A copy of the application letter to SPCB, Odisha for grant of NOC.

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.

4. Installation of Crude Oil Terminal (COT) at Sandhakud village, Jagatsinghpur district, Odisha and crude oil pipeline from IOCL COT to NRL COT by Numaligarh Refinery Limited.

Deputy General Manager, Numaligarh Refinery Limited, Assam has submitted a proposal namely "Installation of Crude Oil Terminal (COT) at Sandhakud village, Jagatsinghpur district, Odisha and crude oil pipeline from IOCL COT to NRL COT" for CRZ Clearance.

The proposed project is to ensure proper storage & uninterrupted supply of crude oil for eastern/North eastern region of India.

Numaligarh Refinery Ltd (NRL) is a central government Public sector undertaking and a subsidiary of Bharat Petroleum Corporation Ltd presently operating a 3.0 MMTPA refinery at Numaligarh in the district of Golaghat, Assam. Govt. of India has given approval in January, 2019 for capacity expansion of Numaligarh Refinery from 3.0 MMTPA to 9.0 MMTP. Additional requirement of 6.0 MMTPA crude oil is proposed to be imported from Paradip Port through a Cross Country Crude oil Pipeline. For the proposed project laying of Crude Oil Import terminal (COIT) is proposed at Sandhakuda village near IOCL Paradip Refinery within 202 Ac. of land allotted by Paradip Port Trust along with an incoming pipeline of 4.15 KM for transferring imported crude oil from existing IOCL Crude Oil Terminal to NRL COIT through existing Single Point Mooring (SPM) of IOCL and Sub-sea pipeline network of IOCL Paradip Refinery. Imported Crude Oil will be received through Very Large Crude Carrier (VLCC) and will be off-loaded at NRLs proposed crude oil import terminal site at Paradip using existing SPM facilities of IOCL Paradip and transported to Numaligarh Refinery, Assam through a cross country pipeline of approximate length 1630 km, traversing through states of Odisha, West Bengal, Jharkhand, Bihar and Assam. The present proposal is only for import the Crude oil from the existing IOCL terminal and stored in the proposed Crude oil import terminal site of NRL. The proposed proposal will include installation of 10 nos. of Tanks having capacity 60,000 KL each for storage of Crude Oil at Paradip with total installed capacity of 6,00,000 KL. The crude oil terminal site is proposed beyond CRZ area.

Crude oil to NRL COIT at Paradip is proposed to be received from existing SPM of IOCL Paradip through a 50" od pipeline. The length of the proposed pipeline will be 4.5 KM. Effluent disposal shall be processed in a closed system. After settling, water content of Crude oil storage tanks shall be drained to the water drain tank. Oil separated from water drain tank shall be pumped back to crude oil storage tanks and oily water shall be routed to Effluent Treatment Plant (ETP) for treatment.

The Project cost is Rs. 1420.00 Crores.

Table:2 CRZ Classification of the proposed pipeline from Existing IOCL COT to proposed NRL COT

Description	CRZ - Classification	Area in Sq.m
NRL COT Site	CRZ - II	103175.59
	CRZ - IVB	1524.03
	Non - CRZ	715737.73
	Total	820437.35

Description	CRZ- Classification	Length in Mtr	Total Length in Mtr
Crude Oil Pipeline From IOCL COT to NRL COT	CRZ - II	3394.31	4151.51 3678.2 mtr. in CRZ area
	CRZ - IVB	283.89	
	Non - CRZ	473.31	
Effluent Disposal Pipeline to Sea	CRZ - IA	118.44	2158.69 1319.86 mtr. in CRZ area
	CRZ - IB	43.78	
	CRZ - II	508.72	
	CRZ - IVA	479.97	
	CRZ - IVB	168.95	
	Non - CRZ	838.83	
Fire Water Intake Pipeline to NRL COT	CRZ - II	169.38	1317.65 186.73 mtr in CRZ area
	CRZ - IVB	17.35	
	Non - CRZ	1130.92	

The GPS Co-ordinates of the site is 20° 15' 01.3"N, 86° 37' 54.3"E to 20° 15' 34.2"N, 86° 38' 49.3"E. The project location Superimposed in the CRZ map in 1:4000 scale prepared by Anna University Chennai indicated that the proposed laying of pipeline falls under CRZ-IA, IB, CRZ - II, CRZ IVA, CRZ IVB area.

CRZ Permissibility: the proposed project is a permissible activity as per the provisions of CRZ Notification, 2011 under

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

Explanation: 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. II (d) laying of pipelines, conveying systems, transmission line

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

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

Para 8-(II) (iv) "Facilities for receipt and storage of petroleum products and liquefied natural gas as specified in Annexure-II appended to this notification....."

The project requires CRZ clearance from MoEF & CC, Govt. of India, under CRZ Notification, 2011 as per Para 4(ii) (d) after being recommended the concerned CZMA.

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, Marine Impact Assessment Report, CRZ Map (1:25,000 scale prepared by ORSAC & Sponsored by F& E Dept. Govt. of Odisha, Drawings and designs of the project proposal, 1:4000 scale CRZ map prepared by IRS Anna University, Chennai, Land allocation letter from Paradip Port Trust, A copy of the proceedings of SPCB Odisha regarding issuance of Consent to Established.

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

5. Construction of infiltration galleries and connecting pipeline in the bank of Rushikulya river and sourcing of surface water from the Rushikulya river through the existing pipeline for Grasim Industries Limited at Ganjam in Odisha.

The Unit Head, Grasim Industries Limited, Ganjam has submitted a proposal namely "Construction of infiltration galleries and connecting pipeline in the bank of Rushikulya river and sourcing of surface water from the Rushikulya river through the existing pipeline for Grasim Industries Limited at Ganjam in Odisha" for CRZ Clearance.

The proposed project is intended to meet the fresh water demand of the existing chemical manufacturing plant of Grasim Industries Limited, Ganjam through infiltration galleries by sourcing the surface water from River Rushikulya to minimise the impact on ground water resources.

Grasim Industries Limited is proposed to set up 2nos. of infiltration galleries (1&2) in Rushikulya river. The Infiltration gallery no. 1 will be connected to with the existing pipeline to source 3.5 MLD of surface water. The Infiltration galleries -2 will be kept as stand by. The major components of the project involve construction of infiltration galleries with infiltration well, Pumping station, and laying of a pipeline of length of 401 mtr. Pipeline connecting Infiltration Gallery 1 to existing pipeline will be 70 m & Pipeline connecting Infiltration Gallery 2 to Infiltration Gallery 1 will be 331 m.

The proposed infiltration galleries will be constructed at 9 km upstream of the Rushikulya river and approx. 5.8 km areal distance from sea. Both the infiltration galleries will be constructed within the River. As per the drawing & design provided by the project proponent the infiltration galleries is a cylindrical structure which contain two components i.e infiltration well and a pump house which will be connected at the top of the infiltration well. The infiltration well will be 17m long and 6.5 m dia. The depth of the gallery will be approximately 16m below the High Fluid Line. The bottom of the infiltration well will be 11.5 m below the river bed level. The pump house length is proposed to be 5.1m long which will be placed at the top of the infiltration gallery to drive out the water from the galleries. The cost of the Project is 3.22 Crores.

The project proponent submitted an EIA report which includes Environmental Management Plan Prepared by Indomer Coastal Hydraulics (P) Ltd.

The proposal granted permission from the water Resource Department, Govt. of Odisha vide their letter no. 29485/WR dt. 18.12.2019 for drawl of 1.43 cusec of surface water from River Rushikulya.

The Geographical locations of the two infiltration galleries are:- Infiltration gallery-1- 19° 24' 27.7" N & 85° 01' 51.8"E and Infiltration gallery-2- 19° 24' 19.9" N & 85° 01' 55.9"E. The 1:4000 Scale CRZ Map prepared by Institute of Remote Sensing, Anna University Chennai superimposing the project location on the map indicated that the proposed project site is located in CRZ III and CRZ IVB area.

The proposed project is a permissible activity as per the provisions of CRZ Notification, 2011 under

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

Explanation: 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 8(i) (l) (i) (b) "pipeline, conveying systems including transmission lines"

Para 4. II (d) **laying of pipelines**, conveying systems, transmission line.

The project 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 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, Drawings and designs of the project proposal, 1:4000 scale CRZ map prepared by IRS, Anna University, Chennai, Permission from water resource Dept. Govt. of Odisha for allocation of 1.43 cusec of water from river Rushikulya, EC from SEIAA, Drawing & design of the project, Land records, Odisha, A copy of the letter submitted to SPCB Odisha for issuance of NOC.

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

6. Development of all-weather multi cargo green field captive jetty (ies) for handling capacity 52 MTPA in Jatadharimuhan River, Dist-Jagatsinghpur, Odisha by JSW Steel Limited.

The Director, JSW Utkal Steel Ltd, Bhubaneswar has submitted a proposal namely "Development of all-weather multi cargo green field captive jetty (ies) for handling capacity 52 MTPA in Jatadharimuhan River, Dist-Jagatsinghpur, Odisha " for CRZ Clearance.

The proposed project is to cater the material import & export requirement of the Integrated Steel Plant of JSW Utkal Steel located adjacent to the Jetty site.

JSW Utkal Steel has proposed to set up a green field Integrated Steel Plant (ISP) to produce 13.2 MTPA crude steel along with captive power plant of 900 MW capacity and Cement grinding unit of 10.0 MTPA in Jagatsinghpur district near Paradip. The ISP will be served by the captive jetty of handling capacity of 52.0 MTPA which is proposed to be located adjacent to the steel plant near the mouth of Jatadhari muhan River Creek. The Captive Jetty and its back up areas are proposed over 170 ac. of land. Partial of the land is coming under the Forest & revenue Govt. Leasable land. In the jetties total 10 berths are proposed with a continuous quay length of about 3400 m. the berths and jetty are proposed on pile and concrete platforms. For material storage, material handling, transit sheds and other related utilities and infrastructure the foreshore area behind the jetty will be reclaimed. For the development of jetty about 30 million m³ of material is proposed to be dredged for creation of navigational channel and dredge material will be used in the jetty back up areas and ISP areas. Two nos of break water i.e South break water of about 1600 m length and North breakwater of about 1200m length will be constructed to provide tranquillity to the jetties.

The proposed jetty will handle 52 MTPA capacities of import and export cargoes. The import material includes cooking coal, anthracite, PCI Coal, thermal coal, limestone, dolomite, bentonite, clinker, quartzite. The export cargo includes the finished steel products, pallets/iron ore concentrate and cement.

As per submitted report about 170 Ac. of area is required for the Jetty facilities. The proposed project will be involved for laying of pipeline for intake of sea water for the Captive power plant (CPP) and discharge of effluents from the integrated steel plant (ISP) and CPP in the CRZ areas. The slurry recovered water and RO treated effluent will be discharged to the sea at a distance of 500 m from sea coast and at a depth of 5m in the sea through separate pipelines. About 130,000 M³/hr of cooling water from the captive power plant will be discharged to the sea through a separate pipeline at depth of 13 m inside sea at a distance of 1500m from the sea coast and an intake pipeline to draw the sea water for the proposed sea water cooling tower.

The location of proposed jetty and other facilities were super imposed on the CRZ map in 1:4000 scale by National Centre for Sustainable Coastal Management (NCSCM) Chennai which indicated that the proposed development is coming within the CRZ-IA, IB (inter tidal area), II, IIIA(NDZ), IVA(sea) & IVB (river) area. The report of the NCSCM indicated that Mangroves areas are present opposite to the proposed project site along the banks of Jatadhari Muhan river. The proposed captive jetty and related facilities is partially located within the CRZ Categories such as CRZ-IA (Denotified Reserve forest MoEF order no.63/2007-FC dt. 4.5.2011). The south east part of the proposed project falls within CRZ-IA (Sand dunes area) and is proposed for green belt development. The total cost of the Project is Rs. 2104 Crores.

The proposed construction of jetties and pipeline is a permissible activity as per the provisions of CRZ Notification, 2011 under

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

Explanation: 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.;

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

4(i) (f) " construction and operation for ports and harbours, jetties, wharves, quays, Slipways, Ship Construction yards, Breakwaters, groynes, erosion control measures.

Para 4. II (d) laying of pipelines, conveying systems, transmission line

Para 8(i) (I) (i) (b) "pipeline, conveying systems including transmission lines"

The project requires CRZ clearance from MoEF & CC, Govt. of India, under CRZ Notification, 2011 as Per Para 4(ii) (d) after the recommendation of the concerned CZMA.

The proposal required Environmental Clearance from MoEF & CC and accorded Terms Reference (TOR) vide letter No.10-68/2018-IA-III dated 09.10.2018.

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, Project Report, CRZ Map (1:25,000 scale prepared by ORSAC & Sponsored by F& E Dept. Govt. of Odisha, Drawings and designs of the project proposal, 1:4000 scale CRZ map prepared by NCSCM, Chennai, Permission from water resource Dept. Govt. of Odisha for crossing the water bodies, A copy of the acknowledgement letter for NOC from SPCB Odisha.

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

7. Laying of iron ore slurry pipeline system from Koira/Barbil/Joda in Keonjhar district to Paradip in Jagatsinghpur district to transport 30 MTPA Iron ore concentrate by JSW Utkal Steel Limited.

The Director, JSW Utkal Steel Ltd., Bhubaneswar has submitted a proposal namely "Laying of iron ore slurry pipeline system [02 Nos.] from Koira/Barbil/Joda in Keonjhar district to Paradip in Jagatsinghpur district to transport 30 MTPA iron ore concentrate" for CRZ Clearance.

JSW Utkal Steel Limited has proposed to set up an Integrated Steel Plant (ISP) to produce 13.2 MTPA crude steel along with 900 MW captive power plants 10 MTPA Cement grinding and mixing unit near Paradip area of Jagatsinghpur district.

JSW also proposed to set up an iron ore grinding & de-sliming plant to produce 30 MTPA concentrate at Nuagaon Iron Ore Mine, in Joda Circle of Keonjhar district.

The present proposal is for laying of 324 km slurry pipeline to transport 30 MTPA iron ore slurry from Nuagaon Iron Ore Mine at Keonjhar District to the proposed Integrated Steel Plant site near Paradip.

At mine site, the iron ore concentrate from the grinding and desliming/beneficiation plant will be mixed with water to form a mixture of about 65% iron ore by weight. The slurry will be stored in a mechanical agitator to prevent settling. The slurry from the agitator storage tank will be propelled by high pressure to the destination site. The pipeline will be buried approximately 1.2-1.5 m below the ground and will be monitored through pressure monitoring/corrosion monitoring stations. At the downstream end of the pipeline the iron ore slurry will be fed in to dewatering/ filtration plant which will be transported to the JSW Steel Plant site. The total cost of the project is Rs. 2430 Cr.

The applicant informed that the pipeline will be mostly laid within the ROW provided by NHAI, IDCO & PWD.

Out of the total 324 km length pipeline only 3.1 km is falling under CRZ area. The pipeline crosses 4 nos. of tidal influenced rives like Mahanga River, Santa River, Mahanadi River & Luna River at river and stream crossing. At river and stream crossing pipeline will be laid below the river bed through Horizontal Direction Driling (HDD) method to avoid the impact on the banks of river and streams and for other area trench will be cut and pipe will be laid.

The CRZ map superimposing the project location in 1:4000 scale map and the report prepared by NCSCM, Chennai indicated that the pipeline crosses 4 nos. of tidal influenced rives like Mahanga River, Santa River, Mahanadi River & Luna River at river and stream.

Table: 3 Proposed Iron Ore Pipeline system falls under the CRZ Classes

River& creeks	CRZ Categories	ESA Categories	Proposed Iron Ore Slurry Pipeline System falls under the CRZ Categories		
			CRZ-IA	CRZ-III	CRZ-IVB
Mahanga River	CRZ-III CRZ-IVB	NO	0	1798	857

Mahanga River	CRZ-III	NO	0	207	0
Santa River	CRZ-III CRZ-IVB	No	0	2001	1065
Mahanadi River	CRZ-IA CRZ-III CRZ-IVB	Salt Marsh	343	1018	2121
Luna River	CRZ-III CRZ-IVB	No	0	444	888

The proposed project is a permissible activity as per the provisions of CRZ Notification, 2011 under:

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

Explanation: 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(ii) (d)." Laying of Pipeline, conveying system, transmission line

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

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) after being recommended the concerned CZMA and permissible under the said Notification"

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, Drawings and designs of the project proposal, 1:4000 scale CRZ map prepared by NCSCM, Chennai, Permission from water resource Dept. Govt. of Odisha for crossing the water bodies, Consent to Established from SPCB Odisha.

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

8. Cross country pipeline for transportation of Anhydrous Liquid Ammonia from liquid jetty of Gopalpur Port to STL Site inside the Industrial park of TSSEZL by M/s Smartchem Technologies Ltd (STL).

The Vice President of M/s Smartchem Technologies Ltd. (STL), Bhubaneswar has submitted a proposal namely "Cross country pipeline for transportation of anhydrous liquid ammonia from liquid jetty of Gopalpur Port to STL Site inside the Industrial park of TSSEZL" for CRZ Clearance.

M/s Smartchem Technologies Ltd (STL) is proposed to set up a Technical Ammonium Nitrate (TAN) complex for manufacturing of Nitric Acid and Technical Ammonium Nitrate (AN) within the domestic tariff area of Industrial Park being developed by TATA Steel Special Economic Zone Limited (TSSEZL). The proposed laying of pipeline is to transport the anhydrous liquid ammonia from vessels at Gopalpur Port Limited to the TAN complex site which is located 4.84 km away from the port area.

The total length of the proposed pipeline is 4.84 km from Gopalpur Port area to the STL project site within Tata Steel Special Economic Zone Limited (TSSEZL) Industrial Park area. The proposed pipeline route will originate from Berth-1 of Gopalpur Port Limited through the 15m wide Gopalpur Port Limit (GPL) RoW till Gopalpur Port Limit and then through the 60m wide IDCO pipeline corridor till the Industrial Park area of TSSEZL. Thereafter, pipeline will be laid adjacent to the 60m wide Road till STL Plant Entry Point in 15m wide ROW. STL has signed Agreement to Sub-lease and MoU with TSSEZL and GPL respectively and approached IDCO for providing RoW within the proposed Common Pipeline corridor battery limit for laying of pipeline. The cost of the project is 70 Cr.

The 16" OD pipelines will be used for transportation of anhydrous liquid Ammonia which will be installed above ground except the road and railway crossings and in parallel with 4" OD pre-cooling lines and both these lines will be provided with cold insulation. Above ground horizontal loops in the lines at a specific interval will be designed to release the thermal stress at a regular interval of 100-150 m distance developed due to the temperature difference between fluid being transported and the ambient temperature.

Table:4 Details of the pipeline route and length of the pipelines falls under the CRZ Classes

Pipeline route	CRZ Classification	Length
Berth-I of Gopalpur port to Gopalpur Port Limit (15 m ROW)	CRZ-IB (inter tidal area)	168 m
	CRZ-III(A) NDZ area	335m
	CRZ-III(B)	494 m
	Non CRZ	220 m
Gopalpur Port Limit to boundary of Tata Steel Special Economic Zone Limited (TSSEZL) which is IDCO Corridor (60M	Outside CRZ area	2457m
From TSSEZL boundary to STL Plant	Outside CRZ area	1168m

The proposed pipeline is falling under CRZ-IB (Intertidal area), CRZ-III area. Out of the total 4.84 km long pipeline about 168 meter long is falling within CRZ-IB area, The Geographical locations as per Anna University Report are as follows:

Table:5 Coordinates of Points along the Alignment of Proposed Pipeline

Latitude	Longitude
19° 17' 23.370" N	84° 56' 57.203" E
19° 17' 23.792" N	84° 56' 56.945" E
19° 17' 33.547" N	84° 56' 34.617" E
19° 17' 35.429" N	84° 56' 34.462" E
19° 17' 22.916" N	84° 55' 20.068" E
19° 17' 24.707" N	84° 55' 20.883" E
19° 17' 44.556" N	84° 54' 51 .094"E
19° 17' 44.805" N	84° 54' 51 .535"E

The 1:4000 Scale CRZ Map prepared by Institute of Remote Sensing, Anna University Chennai superimposing the project location on the map indicated that the proposed project site is located in CRZ-I(B) & CRZ-III area.

The proposed project is a permissible activity as per the provisions of CRZ Notification, 2011 under:

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

Explanation: The expression “foreshore facilities” means those activities permissible under this notification and they require waterfront for their operations such as ports and harbours, jetties, quays, wharves, erosion control measures, breakwaters, pipelines, lighthouses, navigational safety facilities, coastal police stations and the like.; & Para 3(ii)(b) of CRZ Notification 2011 and

Para 4(ii) (d).” Laying of Pipeline, conveying system, transmission line

Para 8(i) (l) (i)(b) “pipeline, conveying systems including transmission lines”

The project requires CRZ clearance from MoEF & CC, Govt. of India, under CRZ Notification, 2011 as per Para 4(ii) (d) after being recommended the concerned CZMA and permissible under the said Notification”

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, Drawings and designs of the project proposal, 1:4000 scale CRZ map prepared by Indian Institute of Remote sensing, Anna University, Chennai.

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

9. Setting up of a Pontoon- Barge operation for transportation of Gypsum of capacity 90,000 MT per month from IFFCO Gypsum stack to Paradip Port Via Mahanadi River routes of Length approx.15 km by IFFCO Ltd.

The Executive Director, IFFCO, Paradip has submitted a proposal namely “Set up a Pontoon- Barge operation and construction of Bollards required for floating jertty of average handling capacity 90,000 MT/month for transportation of Gypsum stockyard to Paradip Port for uploading on to the rail wagon” for CRZ Clearance.

Paradip port handles approximately 55 MTPA of bulk raw material out of which 45% is been transported through roadways. As per connectivity to port by road there is only one entry road via NH-12 & state road 52 merging before entering in to the city. Now IFFCO is proposed to add another 2-3 MTPA Gypsum for export purpose.

Considering the volume and its impact on the present road traffic load, IFFCO proposed to transport the materials through riverine course from plant site to Paradip port for expert.

The proposed pontoon jetty will be located on the riverbank of Mahanadi 7.5 km from the mouth of Bay of Bengal. The size of the pontoon will be approximately 50mx15m to handle 1000 to 1500 T material. The pontoon will have excavator mounted with 10m arm for loading and unloading purpose. Four nos. of bollards will be erected on the landward side of the river within the IFFCO land to tie the pontoon and barge for necessary operation. It is an interim arrangement before the full flagged jetty is established.

The Department of Ocean Engineering, IIT Madras has carried out the drawing and designing of the Bolard and its shape, size and placing. Based on the size of the pontoon Barge and the capacity of the vessels the institute designed the cast-in-situ linear pipes of 4 nos.with 600m dia and founding

level of -18.00 mtr. The 4 nos. of bollards will be placed in a straight-line about 3 mtr away from the river bank. The capacity of the bollard is estimated to be 10 T and will be fixed on the pipe cap of 3x3x1 m over the group pile. The top level of the bollard will be +4.0 m with respect to MSL. There will be provision of strengthening of 150 mtr of working area along the right bank of Mahanadi River through bullah piling and staging with sand bag filling process. The proposed project will not hamper the free flow of water.

The total land requirement for the proposed project along with all associated facilities is 15 Ac which is under IFFCO occupancy and for the development of pontoon about 80 sq.m of area will be required. Total water demand of the Jetty is 17 KLD which will be sourced from Existing IFFCO plant site. The electricity requirement is estimated to be 3 KVA will be met from the IFFCO plant.

The geographical location of the project jetty site is 20^o 18' 01.3"N & 86^o 40' 52.9"E. The location of the project site superimposed on the CZMP approved CRZ map in 1:25,000 scale indicated that the proposed project is located in the CRZ-II & IV B area.

The proposed project is a permissible activity as per the provisions of CRZ Notification, 2011 under :

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

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

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

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

The project requires CRZ clearance from MoEF & CC, Govt. of India, under CRZ Notification, 2011 as per Para 4(ii) (a) after being recommended the concerned CZMA and permissible under the said Notification"

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 & Consent To Established (CTE) for consideration of the proposal for CRZ Clearance. However the project proponent has not submitted the 1:4000 scale CRZ map.

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.

D. Any other issues with the permission of Chair