EXECUTIVE SUMMARY

Preparation of Coastal Zone Management Plan with reference to the CRZ Notification 2011

Srikakulam district, Andhra Pradesh

The Ministry of Environment, Forest and Climate Change, Govt. of India, New Delhi issued Notification No. S.O. 19(E) dated 6th January 2011 which is referred to as the Coastal Regulation Zone (CRZ) Notification, 2011 in supersession of CRZ Notification 1991, declaring the designated areas as Coastal Regulation Zone (CRZ), with a view to ensuring livelihood security to the fisher communities and other local communities living in the coastal areas, to conserve and protect coastal stretches, its unique environment and its marine area and to promote development through sustainable manner based on scientific principles taking into account the dangers of natural hazards in the coastal areas and sea level rise due to global warming.

As per the provisions of the CRZ Notification, 2011, the Environment, Forest, Science & Technology Department, Government of Andhra Pradesh have been entrusted with the responsibility of preparation of the Coastal Zone management Plans of the coastal area of the State through agencies authorized by the MoEF&CC, New Delhi. Accordingly, the work of preparation of draft CZMPs for all the coastal districts of Andhra Pradesh was entrusted to the National Centre for Sustainable Coastal Management (NCSCM),Chennai, which is an authorized agency approved by the Govt. of India, for the said purpose, vide Ministry of Environment & Forests Govt. of India order No. J-17011/8/92-IA-III dated 14th March 2014 and NCSCM, Chennai have completed the job of the preparation of draft CZMP of Srikakulam district as per the guidelines of CRZ Notification 2011.

In this regard, it is informed that the Coastal Zone Management Plan of Srikakulam district has been prepared on 1: 25000 scale as per the guidelines given in the CRZ Notification 2011 and the said draft Plan has been prepared indicating CRZ I (Ecological Sensitive Area), CRZ II (Developed Area), CRZ III (undeveloped area), CRZ IV (Water Area), Cadastral information, etc.,

CRZ Notification 2011: Under the CRZ Notification 2011, the following areas were notified by the Central Govt. as Coastal Regulation Zone (CRZ).

(i) The land area from High Tide Line (hereinafter referred to as the HTL) to 500mts on the landward side along the sea front.

(ii) CRZ shall apply to the land area between HTL to 100 mts or width of the creek whichever is less on the landward side along the tidal influenced water bodies that are connected to the sea and the distance upto which development along such tidal influenced water bodies is to be regulated shall be governed by the distance upto which the tidal effects are experienced which shall be determined based on salinity concentration of 5 parts per thousand (ppt) measured during the driest period of the year and distance upto which tidal effects are experienced shall be clearly identified and demarcated accordingly in the Coastal Zone Management Plans (hereinafter referred to as the CZMPs).

Explanation.- For the purposes of this sub-paragraph the expression tidal influenced water bodies means the water bodies influenced by tidal effects from sea, in the bays, estuaries, rivers, creeks, backwaters, lagoons, ponds connected to the sea or creeks and the like.
(iii) the land area falling between the hazard line and 500mts from HTL on the landward side, in case of seafront and between the hazard line and 100mts line in case of tidal influenced water body the word ‘hazard line’ denotes the line demarcated by Ministry of Environment and Forests (hereinafter referred to as the MoEF) through the Survey of India (hereinafter referred to as the SoI) taking into account tides, waves, sea level rise and shoreline changes.

(iv) Land area between HTL and Low Tide Line (hereinafter referred to as the LTL) which will be termed as the intertidal zone.

(v) The water and the bed area between the LTL to the territorial water limit (12 Nm) in case of sea and the water and the bed area between LTL at the bank to the LTL on the opposite side of the bank, of tidal influenced water bodies.

Classification of the CRZ: Para 7 of the CRZ Notification 2011 further classifies the CRZ into the following categories.

1. CRZ-I:

A. The area that are ecologically sensitive and the geomorphological features which play a role in maintaining the integrity of the coast,-

(a) Mangroves, in case mangrove area is more than 1000 sq mts, a buffer of 50 meters along the mangroves shall be provided;
(b) Corals and coral reefs and associated biodiversity;
(c) Sand Dunes;
(d) Mudflats which are biologically active;
(e) National parks, marine parks, sanctuaries, reserve forests, wildlife habitat and other protected area under the provisions of Wild Life (Protection) Act, 1972(53 of 1972), the Forest (Conservation) Act, 1980 (69 of 1980) or the Environment (Protection) Act, 1986 (29 of 1986); including the Biosphere Reserves;
(f) Salt Marshes;
(g) Turtle nesting grounds
(h) Horse shoe crabs habitats;
(i) Sea grass beds;
(j) Nesting grounds of birds;
(k) Areas or structures of archaeological importance and heritage sites.

Prohibited /Permissible activities in CRZ-I (A)

(i) No new construction is permitted in CRZ-I except:-
   a) projects relating to Department of Atomic Energy;
   b) pipelines, conveying systems including transmission lines;
   c) facilities that are essential for activities permissible under CRZ-I;
   d) installation of weather radar for monitoring of cyclones movement and prediction by Indian Meteorological Department;
   e) construction of trans harbour sea link and without affecting the tidal flow of water, between LTL and HTL.

B. The area between the Low Tide Line and the High Tide Line.
The permitted activities in CRZ- I (B)

(a) exploration and extraction of natural gas;
(b) construction of dispensaries, schools, public rainshelter, community toilets, bridges, roads, jetties, water supply, drainage, sewerage which are required for traditional inhabitants living within the biosphere reserves after obtaining approval from concerned CZMA.
(c) necessary safety measure shall be incorporated while permitting such developmental activities in the area falling in the hazard zone;
(d) salt harvesting by solar evaporation of seawater;
(e) desalination plants;
(f) storage of non-hazardous cargo such as edible oil, fertilizers and food grain within notified ports;
(g) construction of trans harbour sea links, roads on stilts or pillars without affecting the tidal flow of water.

2. CRZ-II:
The area that have been developed upto or close to the shoreline.

Explanation.-
For the purposes of the expression, the developed area” is referred to as that area within the existing municipal limits or in other existing legally designated urban area which are substantially built-up and has been provided with drainage and approach roads and other infrastructural facilities, such as water supply and sewerage mains;

Activities permitted in CRZ-II:-

(i) Buildings may be permitted only on the landward side of the existing road, or on the landward side of existing authorized structures;

(ii) Buildings permitted on the landward side of the existing and proposed roads or existing authorized structures shall be subject to the existing local town and country planning regulations as modified from time to time except the Floor Space Index or Floor Area Ratio which shall be as per 1991 level provided that no permission for construction of building shall be given on landward side of any new roads which are constructed on the seaward side of an existing road:

(iii) Reconstruction of authorized building is permitted subject with the existing Floor Space Index or Floor Area Ratio Norms and without change in present use;

(iv) Facilities for receipt and storage of petroleum products and liquefied natural gas as specified in the notification

(v) Desalination plants and associated facilities;

(vi) Storage of non-hazardous cargo, such as edible oil, fertilizers and food grain in notified ports;
(vii) Facilities for generating power by non-conventional power sources and associated facilities;

3. CRZ-II:

Area that are relatively undisturbed and those do not belong to either CRZ-I or II which include coastal zone in the rural area (developed and undeveloped) and also area within the municipal limits or in other legally designated urban area, which are not substantially built up.

No Development Zone (NDZ)

A. Area upto 200mts from HTL on the landward side in case of seafront and 100mts along tidal influenced water bodies or width of the creek whichever is less is to be earmarked as “No Development Zone (NDZ)”

Prohibited /Permissible activities in CRZ-III (NDZ area)

(i) The NDZ is not applicable in such area falling within any notified port limits;

(ii) No construction is permitted within NDZ except for repairs or reconstruction of existing authorized structure not exceeding existing Floor Space Index, existing plinth area and existing density and for permissible activities under the notification including facilities essential for activities; Construction/ reconstruction of dwelling units of traditional coastal communities including fisherfolk are permitted between 100 and 200 metres from the HTL along the seafront in accordance with a comprehensive plan prepared by the State Government or the Union territory in consultation with the traditional coastal communities including fisherfolk and incorporating the necessary disaster management provision, sanitation and recommended by the concerned State or the Union territory CZMA to NCZMA for approval by MoEF;

(iii) However, the following activities are permitted in NDZ –

(a) Agriculture, horticulture, gardens, pasture, parks, play field, and forestry;

(b) Projects relating to Department of Atomic Energy;

(c) Mining of rare minerals;

(d) Salt manufacture from seawater;

(e) Facilities for receipt and storage of specified petroleum products and liquefied natural gas as given in the Notification.

(f) Facilities for regasification of liquefied natural gas subject to conditions as mentioned in the Notification.

(g) Facilities for generating power by non conventional energy sources;

(h) Foreshore facilities for desalination plants and associated facilities;

(i) weather radars;
(j) Construction of dispensaries, schools, public rain shelter, community toilets, bridges, roads, provision of facilities for water supply, drainage, sewerage, crematoria, cemeteries and electric sub-station which are required for the local inhabitants may be permitted on a case to case basis by CZMA;

(k) Construction of units or auxiliary thereto for domestic sewage, treatment and disposal with the prior approval of the concerned Pollution Control Board or Committee;

(l) Facilities required for local fishing communities such as fish drying yards, auction halls, net mending yards, traditional boat building yards, ice plant, ice crushing units, fish curing facilities and the like;

B. Area between 200mts to 500mts in CRZ -III

Permissible activities in the above areas;

(i) Development of vacant plot in designated areas for construction of hotels or beach resorts for tourists or visitors subject to the conditions as specified in the Notification ;

(ii) Facilities for receipt and storage of petroleum products and liquefied natural gas as specified in Notification;

(iii) Facilities for regasification of liquefied natural gas subject to conditions as mentioned in the Notification;

(iv) Storage of non-hazardous cargo such as, edible oil, fertilizers, food grain in notified ports;

(v) Foreshore facilities for desalination plants and associated facilities;

(vi) Facilities for generating power by non-conventional energy sources;

(vii) Construction or reconstruction of dwelling units so long it is within the ambit of traditional rights and customary uses such as existing fishing villages and goathans. Building permission for such construction or reconstruction will be subject to local town and country planning rules with overall height of construction not exceeding 9mts with two floors (ground + one floor);

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

(ix) Reconstruction or alteration of existing authorised building subject to sub-paragraph (vii), (viii);

(x) Development of green field airport already permitted only at Navi Mumbai.

4. CRZ – IV:

A. the water area from the Low Tide Line to twelve nautical miles on the seaward side;
B. shall include the water area of the tidal influenced water body from the mouth of the water body at the sea upto the influence of tide which is measured as five parts per thousand during the driest season of the year.

The activities impugning on the sea and tidal influenced water bodies will be regulated except for traditional fishing and related activities undertaken by local communities as follows:-

(a) No untreated sewage, effluents, ballast water, ship washes, fly ash or solid waste from all activities including from aquaculture operations shall be let off or dumped. A comprehensive plan for treatment of sewage generating from the coastal towns and cities shall be formulated within a period of one year in consultation with stakeholders including traditional coastal communities, traditional fisherfolk and implemented;

(b) Pollution from oil and gas exploration and drilling, mining, boat house and shipping;

(c) No restriction on the traditional fishing and allied activities undertaken by local communities.

For further clarification on any of the above, it is advised to refer to main CRZ Notification 2011 and the amendments thereof.

5. **Critical Vulnerable Coastal Area (CVCA):**

Areas requiring special consideration for the purpose of protecting the critical coastal environment and difficulties faced by local communities and other Ecologically Sensitive areas like Coringa, East Godavari and Krishna identified as under Environmental (Protection) Act, 1986 and managed with the involvement of Coastal communities including fisher folk.

In this regard it is informed that as per the Annexure I, Para IV (a) of CRZ Notification 2011, the said draft CZMP of Srikakulam district is published on the Website of the Andhra Pradesh Coastal Zone Management Authority namely, [http://apczma.ap.gov.in](http://apczma.ap.gov.in), for wide publicity.

Accordingly, all stakeholders including the Institutions/Departments/Local Communities/ Public/NGOs etc., are requested to furnish suggestions and objections, if any, on the said draft CZMP in writing in English or Telugu to the Member Secretary, Andhra Pradesh Coastal Zone Management Authority (APCZMA), O/o Andhra Pradesh Pollution Control Board, H. No. 33-26-14 D/2, Chalamvari Street, Kasturibaipeta, Near Sunrise Hospital, Vijayawada – 520 010, by post or by email to [apczma2016@gmail.com](mailto:apczma2016@gmail.com) so as to reach within 30 days from the date of publication of the draft CZMP.

Member Secretary
Andhra Pradesh Coastal Zone Management Authority
O/o. APPCB, H. No. 33-25-14 D/2,
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