

## Minutes of the meeting of NCZMA held on 24<sup>th</sup> May, 2016

The 31<sup>st</sup> meeting of the National Coastal Zone Management Authority (NCZMA) was held on 24<sup>th</sup> May, 2016 under the chairmanship of Secretary (EF&CC). The list of participants, including members of NCZMA and the representatives from Coastal Zone Management Authorities in the State/UTs, is at Annexure-I. Agenda wise discussions held and decisions taken at the meeting are as under -

### Agenda No.1

#### **Confirmation of the minutes of 29<sup>th</sup> meeting of NCZMA**

The 30<sup>th</sup> meeting of the NCZMA was held on 29<sup>th</sup> February, 2016 under the chairmanship of Secretary (EF&CC) and the minutes were circulated to all the members. The Authority, after having taken note of the comments from Bombay Environment Action Group on the minutes and the response already sent to them, and also the fact that no comments/suggestions were received from any of the members of the NCZMA, confirmed minutes of the said meeting.

### Agenda No.2

#### **Action taken on minutes of the 30<sup>th</sup> meeting of NCZMA**

2.1 It was informed to the Authority that pursuant to decisions of previous meeting NCZMA, the Coastal States/UTs have been asked to put in place the mechanism for reviewing the progress at the level of Chief Secretaries/Administrator, and to complete the work of preparation of CZMPs by 30<sup>th</sup> September, 2016.

2.2 In respect of decision regarding strengthening of Institutional Framework for Implementation for CRZ Notification, 2011, it was informed that the Ministry has written to the coastal States/UTs for ensuring availability of adequate infrastructure and manpower with the CZMAs.

2.3 Regarding reporting of violation by State/UT CZMAs, it was informed that the Ministry has circulated the Proforma to all coastal States/UTs with the request for reporting of identification of violation cases, and the action taken thereupon by the concerned coastal States/UTs and the CZMAs. The information from CZMAs has yet not received. The NCZMA requested the representatives of coastal States/UTs to expedite submission of the information in the desired format.

2.4 In respect of re-consideration of the matters pertaining to development of an Engineering College at Adichannor Village of Kollam District, Kerala, it was informed that the committee constituted by the NCZMA again met on 21<sup>st</sup> March, 2016, and

discussed the note from the KCZMA, sought views of all the parties, and finalized its report. It was stated that this item is appearing as separate Agenda at item No.5.

### Agenda No.3

#### **Progress made by SCZMAs in preparation of CZMPs as per CRZ Notification, 2011**

3.1 Initiating the discussions on the subject matter, and on the lines of deliberations during the last meeting of NCZMA, the participants were informed that pending preparation and subsequent approval of fresh CZMPs as per the CRZ Notification, 2011, the validity of CZMPs already approved under the CRZ Notification, 1991, has been extended up to 31<sup>st</sup> January, 2017 vide amendment dated 22<sup>nd</sup> March, 2016 to the CRZ Notification, 2011 and IPZ Notification, 2011.

3.2 It was also informed that in the last meeting of NCZMA, the coastal States/UTs were directed to expedite the process of finalization of CZMPs and submit HTL demarcation after verification by 31<sup>st</sup> March, 2016, and that for mapping of ESAs/CRZ-IA, by 31<sup>st</sup> May, 2016.

3.3 With the above background, the NCSCM was asked for a presentation on the progress of CZMPs achieved by different coastal States/UTs. A copy of the same is at Annexure-II, and the summary is given as under:-

#### (a) Delineation of High Tide Line

The delineation of HTL for the entire coast line of the country and the quality check for the same has been completed by the NCSCM, Chennai. They have submitted the HTL data in pdf format in CDs, for the States/UTs namely, Maharashtra, Goa, Karnataka, Tamil Nadu, Puducherry, Andhra Pradesh, Odisha and Daman & Diu after revalidation by the concerned States/UTs. In case of Gujarat, Kerala and West Bengal, the 50% of the HTL verification has been completed and the rest would be done along with verification of ESAs.

Further action in this regard State-wise, was reported as under:-

- As per the meeting held on 20<sup>th</sup> May 2016 with GCZMA members, some check points have been suggested to verify tidal limit. After receiving the tidal limit data from Gujarat CZMA, the corrections will be incorporated by NCSCM and submitted to MoEF&CC within 10 working days.
- As per the meeting held on 7<sup>th</sup> May 2016 with Maharashtra CZMA members, some check points have been suggested to verify tidal limit. After receiving

the salinity data, corrections will be incorporated by NCSCM and submitted to the Ministry within 10 working days.

- As per the meeting held on 11-12 May, 2016 with members of Kerala CZMA, salinity data for tidal limit in creeks and rivers of Kerala are to be received from Kerala CZMA in the prescribed format given by the NCSCM. After receiving the salinity data from KCZMA, the corrections would be incorporated by NCSCM and submitted to the Ministry within 10 working days.
- For the State of West Bengal, it was informed that the West Bengal CZMA has not yet submitted their comments and the same are likely to be received by 8<sup>th</sup> June, 2016.

(b) Mapping of Ecologically Sensitive Areas

The mapping and quality check for the same has been completed by the NCSCM, Chennai for all coastal States/ UTs. The Coastal Zone Management Authorities of Daman & Diu, Andhra Pradesh and Odisha are yet to verify the mapping done by NCSCM. During verification, the States namely Gujarat, Maharashtra, Goa, Kerala, Karnataka, Kerala, Tamil Nadu and West Bengal have requested for rechecking of turtle nesting areas, reef areas, salt marsh and mudflat, etc. The State of West Bengal has requested for ESAs data in pdf format for validation.

(c) Status of Cadastral Data

The cadastral data have since been received from the States of Tamil Nadu, Gujarat, Puducherry, Daman & Diu and Karnataka. The remaining States have either provided the part information, or not in the desired format to facilitate its compilation/ revalidation. The State of Gujarat is to submit this information for a few locations. The data received from Odisha is not largely geo referenced. The State of Goa has provided data for 600 m from the coast and some sections along the creeks are not available. For Andhra Pradesh, data is not available for certain parts of Talukas. For Maharashtra, the data has been received for Ratnagiri and Raigad Districts. For remaining districts such as Sindhudurg, Thane and Mumbai, it is yet to be received. For Kerala, the data for Kannur and Kasaragod districts is yet to be received. West Bengal has submitted this data in non-GIS format, which is not usable.

3.4 After taking note of the above status provided by the NCSCM, Chennai, the Authority requested the State/UT CZMAs to inform about the time lines for the preparation of CRZ maps. Most of the States were of the view that they would require at least three months after the receipt of HTL demarcation and mapping of ESAs/ CRZ-IA carried out by the NCSCM, Chennai.

3.5 Given the urgency of the matter, directions of Hon'ble Courts and other legal implications, the Authority emphasised the urgent need for data validation for HTL



demarcation, ESAs and CRZ-IA by the NCSCM to facilitate finalization of CZMPs urgently. Also, in case of deviation reported, if any, the issues may be settled by ground truthing/ field verification through the authorized agencies followed by endorsement by the NCSCM.

3.6 *The Authority, after comprehensive deliberations on the subject matter and having taken note of the submissions made by the representatives of SCZMAs, decided the following:*

- *The States, which have yet not submitted the cadastral data, should do the same in GIS format to NCSCM, Chennai within two weeks and latest by 10<sup>th</sup> June, 2016.*
- *All CZMAs should complete the exercise of mapping of ecologically sensitive areas, including the validation by NCSCM expeditiously. The mapping data, after validation should reach the Ministry by 30<sup>th</sup> June, 2016.*
- *The Ministry shall send the HTL delineation and ESA/CRZ-IA mapping data received through NCSCM, to the respective coastal States/UTs by 15<sup>th</sup> July, 2016. The NCSCM may also send the same directly to the States/UTs in consultation with the Ministry to avoid undue delay.*
- *The States shall complete the preparation of draft Coastal Zone Management Plans as per the CRZ Notification, 2011, preferably within two months but not later than three months after receipt of the data from the Ministry/NCSCM.*

#### Agenda No.4

##### **Progress made by State/UT CZMAs in identification of violation cases**

4.1 During the last meeting, the Authority expressed concern over the flow of information on the subject matter from the Coastal States/UTs, and on the request of representatives from the SCZMAs, suggested for devising a format for reporting of identification of violation cases, and the action taken thereupon by the concerned CZMAs in the States/UTs.

4.2 The Authority was further informed that pursuant to the aforesaid decision, all States/UTs CZMAs have been provided with a format for reporting of identification of violation cases along with action taken thereupon in the given format. However, no information in this regard has since been made available to the Ministry.

4.3 *The Authority, after comprehensive deliberations into the matter, again insisted for the identification of violation cases with proper feedback/inputs from the respective District CZMAs. All the States/UT CZMAs were asked to ensure action against these violations, and report it to the NCZMA in the given format in time bound manner. The MoEFCC should consider devising and putting a web based*

*application in place so as to facilitate the online reporting of cases of CRZ violations expeditiously.*

#### **Agenda No.5**

##### **Re-consideration of the matters pertaining to development of an Engineering College at Adichannlor Village of Kollam District, Kerala**

5.1 The Authority noted the decision of its previous meeting in the subject matter, and requested to share the recommendations of the committee constituted to look into the issues related to matter, with all the members.

5.2 Shri Bishwanath Sinha, Joint Secretary, informed that the committee met on 21<sup>st</sup> March, 2016 to deliberate on the note of Kerala CZMA and conclude the matter. Advocates for the petitioners, respondents and the representative from Kerala CZMA attended the meeting. The Committee discussed the consolidated note from the Kerala CZMA, and sought views of all the parties. During the meeting, representative of Kerala CZMA contended that vide Order dated 10<sup>th</sup> December, 2012, it has been clarified that the project site is out of CRZ area and hence the question of it being in "No Development Zone" does not arise. The Committee after hearing all the concerned parties, deliberated on their respective contentions. It was discussed that as per CRZ Notification, 2011, all developmental activities permissible under this notification shall be regulated within framework of the approved CZMPs. It was reiterated that as per the CZMP of the Kerala State, which is prevailing, binding and applicable as on date, the project site does not fall under the CRZ and hence the question of it being in the "No Development Zone" does not arise. The Committee reached to a unanimous conclusion that the project site of the M/s Quilon Education Trust is outside the CRZ and therefore the M/s Quilon Education Trust be permitted to resume the construction of the Engineering College proposed on the site as per the approved CZMP.

5.3 *The Authority noted the observations and findings of the Committee vis-a-vis the directions of Hon'ble High Court of Kerala vide their order dated 20<sup>th</sup> May, 2015. Further, the Authority endorsed the recommendations of the Committee, as contained in para 5.2 above, concluding that the project site of M/s Quilon Educational Trust is outside the CRZ area as per the approved CZMP for the State of Kerala. The Authority also desired that Kerala CZMA should file a compliance report in Hon'ble High Court of Kerala in this regard.*

#### **Agenda No.6**

##### **Reclassification of the land at village Goregaon, Taluka Borivali in Mumbai Suburban and at BEST Nagar Goregaon (West), Mumbai City**

6.1 The proposal involves reclassification of land admeasuring approximately 27,913.93 sqm bearing Plot No.2A and comprised in CTS No.1 (part) in Goregaon (West), Mumbai City of M/s Wadhwa Group Holdings Private Limited. They have filed a petition before the Hon'ble High Court of Bombay, challenging inclusion of a portion of the larger land within the CRZ (CRZ-II area) as per the Coastal Zone Management Plan for Mumbai City approved by Ministry in the year 2000. The said larger land abuts a Nallah/creeklet having average width of 40 m connected to Malad creek.

6.2 The NCZMA in its last meeting, after deliberations on the proposal, and in view of the commitment of MCZMA for verification of HTL demarcation under the CRZ Notification, 2011 for the State of Maharashtra by 31<sup>st</sup> March, 2016, observed that allowing reclassification of the proposed site as per the CZMPs approved under the CRZ Notification, 1991 would be infructuous at this stage. The Authority directed MCZMA to re-examine and reconcile the issue in the light of classification of the area under reference, as proposed in the draft CZMPs being prepared as per the CRZ Notification, 2011 and submitted to NCSCM, Chennai.

6.3 The representative of Maharashtra CZMA informed that pursuant to the above decision of the NCZMA, and the letter dated 4<sup>th</sup> April of this Ministry on the subject matter, the Maharashtra CZMA vide their letter dated 18<sup>th</sup> April, 2016 requested NCSCM, Chennai to provide the CRZ status/HTL demarcation for the said plot, as proposed in the draft CZMPs prepared as per the provisions of CRZ Notification, 2011. However, the NCSCM, Chennai in reply informed that the draft CZMP of Maharashtra were received from IRS, Chennai, which are, otherwise, required for confirming the CRZ status of the plot in the draft CZMPs. Thus, the Maharashtra CZMA is yet to ascertain the CRZ status as proposed in draft CZMPs prepared as per the CRZ Notification, 2011.

6.4 The Ministry requested NCSCM, Chennai to provide the information. The representative of NCSCM, Chennai informed that a meeting of the representatives of the Maharashtra CZMA and Director Institute of Remote Sensing (IRS), Anna University, Chennai was held in NCSCM on 7<sup>th</sup> May, 2016. The issue of closing of HTL / Tidal limits in the Creeks based on salinity values was discussed and it was decided that the salinity information would be provided to NCSCM by IRS Chennai, an agency authorized by MoEF & CC, Govt. of India, for demarcation of HTL, who have been commissioned by the Govt. of Maharashtra / MCZMA for demarcation of HTL and preparation of CRZ / CZMP maps of Mumbai area in accordance with the CRZ Notification 2011. As per the data provided by IRS, Chennai, which was commissioned to undertake demarcation of HTL along the creek areas by the Government of Maharashtra, the HTL in the creek terminates / ends at a point (bridge) on the creek, about 400 m before the said plot no. 2A, CTS No. 1(pt), Village Goregaon (W), Mumbai (Wadhwa Group Holding). Thus, the plot is about 400 m



away from the HTL on the upward (landward) side of the creek and thus the said plot of land does not fall under CRZ.

6.5 Taking into account recommendations of Maharashtra CZMA, the report of IRS Chennai and the submissions of NCSCM, the Authority after deliberation decided to recommend the changes in approved CZMP as error evident on record and as recommended by the Maharashtra CZMA vide their letter No. MCZMA2014/CR39/TC4 dated 27<sup>th</sup> January, 2016. The Authority further desired that the Maharashtra CZMA may make necessary changes/modifications in the approved CZMP as per the report of IRS Chennai and consider the plot in non CRZ area subject to the approval of the competent authority. MCZMA should also ensure that above demarcations are clearly marked in the CZMP so revised.

#### Agenda No.7

**Proposal of Maharashtra Coastal Zone Management Authority regarding confirmation of Status of applicability of CRZ Notification on plot bearing CTZ No. 38(A) and 38(B) of Goregaon Village, P-South Ward, Goregaon (W), Mumbai.**

7.1 The proposal involves reclassification of land plot bearing CTS No.38(A) & 38(B), Goregaon (W), Mumbai of M/s Omkar Realtors & Developers Pvt Ltd, located on the western bank of Oshivara Nala which joins the Malad Creek at about 000 km downstream. During the time of observation (11.30 am), the flow of water from Nala was found to be towards Malad creek. The Nala was carrying polluted water, mainly sewage

7.2 The NCZMA in its last meeting, after deliberations on the proposal, and in view of the commitment of MCZMA for verification of HTL demarcation under the CRZ Notification, 2011 for the State of Maharashtra by 31<sup>st</sup> March, 2016, observed that allowing reclassification of the proposed site as per the CZMPs approved under the CRZ Notification, 1991 would be infructuous at this stage. The Authority directed MCZMA to re-examine and reconcile the issue in the light of classification of the area under reference, as proposed in the draft CZMPs being prepared as per the CRZ Notification, 2011 and submitted to NCSCM, Chennai.

7.3 The representative of Maharashtra CZMA informed that pursuant to the above decision of the NCZMA, and the letter dated 4<sup>th</sup> April of this Ministry on the subject matter, the Maharashtra CZMA vide their letter dated 18<sup>th</sup> April, 2016 requested NCSCM, Chennai to provide the CRZ status/HTL demarcation for the said plot, as proposed in the draft CZMPs prepared as per the provisions of CRZ Notification, 2011. However, the NCSCM, Chennai in reply informed that the draft CZMP of Maharashtra were received from IRS, Chennai, which are, otherwise, required for confirming the CRZ status of the plot in the draft CZMPs. Thus, the Maharashtra

CZMA is yet to ascertain the CRZ status as proposed in draft CZMPs prepared as per the CRZ Notification, 2011.

7.4 On the request of this Ministry, the NCSCM informed that based on the HTL data shared by IRS, Anna University, Chennai, the HTL in the creek terminates / ends at a point (bridge) on the creek, about 1.4 km before the said plot bearing CTS No. 38(A) and 38(B) of Goregaon village, P - South ward, Goregaon (W), Mumbai. Thus, the said plot is about 1.4 km away from the HTL on the upward (landward) side of the creek and thus the said plot of land does not fall under CRZ.

7.5 *Taking into account recommendations of Maharashtra CZMA, the report of IRS Chennai and the submissions of NCSCM, the Authority after deliberation decided to recommend the changes in approved CZMP as error evident on record and as recommended by the Maharashtra CZMA vide their letter No. MCZMA2014/CR39/TC4 dated 27<sup>th</sup> January, 2016. The Authority further desired that the Maharashtra CZMA may make necessary changes/modifications in the approved CZMP as per the report of IRS Chennai and consider the plot in non CRZ area subject to the approval of the competent authority. MCZMA should also ensure that above demarcations are clearly marked in the CZMP so revised.*

#### **Agenda No.8**

**Proposal of City and Industrial Development Corporation Ltd (CIDCO) seeking permission for removal of mangroves from the six holding ponds at Dronagiri, Navi Mumbai**

8.1 The Authority recalled the decision of previous meeting and asked to share with members the report from the State Government of Maharashtra in respect of frequent flooding of the area and importance of these holding ponds in protection of the habitation located in area.

8.2 It was informed that the State Government has not yet furnished their comments to the Ministry. Instead, the Maharashtra CZMA forwarded the comments of Relief and Rehabilitation Department of Government of Maharashtra. The said department has suggested that the CIDCO should take measures for flood protection as per the Disaster Management Plan (DMP) prepared for the Navi Mumbai. On the receipt of the above said comments, the Ministry requested CIDCO to submit their DMP. The Plan received from the CIDCO was shared with the Authority. The Authority took note of the following salient features of the plan submitted by the CIDCO.

- a) CIDCO was established for the task of development of a new city called Navi Mumbai. For development of Navi Mumbai, CIDCO prepared Master Plan which was approved by Government of Maharashtra. Overall, 95 villages



were notified for acquisition and the process of acquisition was carried out in the phased manner.

- b) One of the requirements was to ensure that the villages in Navi Mumbai are not flooded due to storm water and hence proper drainage system was required to be designed.
- c) CIDCO appointed IIT-Bombay for the design of Holding Pond in channels in Dronagiri area. As per the IIT Report, CIDCO has developed about 220 Ha. of 6 nos. of holding ponds having rain water detaining capacity during 4 Hours of about 455 million liters (ML) and these Holding Ponds are connected through the channels having width of about 20 m and the total length of the channels constructed is about 16 km. The holding ponds are developed in low lying areas in various locations within the nodes and the water accumulated in such ponds during the heavy rain due to runoffs from landward sides as well as during the low tide the rain water is drained off in to the sea. The water from various locations within the nodal areas are also collected in holding ponds through the channels. The holding ponds are connected to the Sea and a flap gate is provided at the outlet of holding ponds towards the sea side. However, due to non de-silting and maintenance of Holding Ponds the mangroves have been grown in the Holding pond which resulted in the flooding of the township and villages.
- d) At the time of development of these artificial ponds was agriculture land acquired by CIDCO, and there were no mangroves either in the ponds or channels. The growth of mangroves is due to ineffective working of flap gates.
- e) The purpose of creating holding ponds was to provide a site for storing storm water, particularly during monsoon thereby avoiding flood in the region.

8.3 The Maharashtra CZMA submitted that as per the approved CZMP, out of six ponds, two ponds falls partly in CRZ-II and partly in non CRZ area. The remaining ponds fall in non CRZ area. However, presently all the six ponds are tidally influenced with presence of dense fully grown mangroves.

8.4 The Joint Secretary, MOEFCC stated that CRZ Notification, 2011, stipulates that ecological sensitive areas such as mangroves are to be classified as CRZ I. The Ministry in its clarification letter to the Hon'ble High Court clarified that the rule is applicable to the ponds as well. There is no differentiation made in the Notification between natural and artificial ponds. He also informed that cutting/removal of mangroves has to be in line with the provisions of the CRZ Notification, 2011, providing for five times the compensatory plantation and the buffer zone, as applicable. At the same time the project proponent has to obtain the necessary permission from the Hon'ble High Court of Judicature at Bombay and/or the State Government of Maharashtra for removal of mangroves.

8.5 The Authority, after considering the comments of the Relief and Rehabilitation Department of the State Government of the Maharashtra, the Disaster Management Plan of CIDCO, the submissions of Maharashtra CZMA, decided to defer the decision. It was agreed that the Authority requires more information from CIDCO for further consideration of the proposal, as under:-

- Detailed Management Plan including the aerial extent of mangroves to be removed, availability of area for compensatory re-plantation of mangroves and the availability of sites and the requirement of buffer zone.
- The commitment of CIDCO to the effect that holding ponds, after mangroves having been so removed shall not be utilised for any commercial purpose by the CIDCO or any other stakeholders.

#### Agenda No.9

**Reclassification from CRZ to Non-CRZ of Building No. 40, on land bearing City Survey No.195 (pt.) of Village Andheri, Taluka Andheri in Registration Sub-District of Bnadra, Mumbai**

9.1 It was informed that a petition has been filed by New D. N. Nagar Gurukrupa Co-operative Housing Society Limited in Hon'ble High Court of Judicature at Bombay. The Ministry, NCZMA and the MCZMA are respondents in the matter. The petitioner has prayed to issue directions for reclassification from CRZ area to Non-CRZ of Building No. 40, on land bearing City Survey No.195 (pt.) of Village Andheri, Taluka Andheri in Registration Sub- District of Bandra, Bombay, at New Link Road, Andheri West, Mumbai area. The petitioner has further alleged that they are suffering due to inaction on the part of the respondent authorities and hence not able to take benefit of higher FSI, which would be available to them after delisting/ reclassification of the said property from the approved CZMPs of the said area. The matter was listed for hearing on 9<sup>th</sup> March, 2016. The MoEFCC was directed to file the affidavit before the next date of hearing. The MOEFCC has filed the affidavit stating that no decision could be taken on the proposal for reclassification/delisting of the land under consideration, since that required appraisal by the MCZMA in the light of the provisions of the CRZ Notification, 2011 and their recommendations. Once the recommendations are received from MCZMA, the decision would be taken expeditiously by the NCZMA and the Ministry.

9.2 The matter was next listed for hearing on 20<sup>th</sup> April, 2016. During the hearing, the Hon'ble Court took note of this Ministry's letter dated 4<sup>th</sup> April, 2016 requesting MCZMA to provide verified status of HTL demarcation, and fixed the timeline for MCZMA to send their recommendations by 30<sup>th</sup> April, 2016 to MOEFCC. The

Ministry is required to take decision thereafter in the matter latest by 31<sup>st</sup> May, 2016. The recommendations of Maharashtra CZMA, which were required to be submitted by them by 30<sup>th</sup> April, 2016 have not been received so far in the Ministry.

9.3 In compliance of the directions of Hon'ble Court, the Authority requested the MCZMA to provide comments on the proposal under consideration. The MCZMA informed that they have yet not received the proposal from the New D. N. Nagar Gurukrupa Co-operative Housing Society Limited for reclassification of the property. As such, it was not possible to examine the case in the light of the provisions of the CRZ Notification, 2011 and this Ministry's OM dated 08.08.2011 regarding reclassification of CRZ area on account of error apparent on face of the record.

9.4 *The Authority, after taking note of the submission of MCZMA, decided that pending examination of the case at the level of Maharashtra CZMA, the matter cannot be considered by the NCZMA. The Authority suggested that Maharashtra CZMA should inform the status accordingly to the Hon'ble High Court.*

2. The meeting ended with a vote of thanks to the chair.

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List of participants

**I. NCZMA Members**

1. Shri Ajay Narayan Jha, Secretary, MoEF&CC - In Chair
2. Shri M. M. Kutty, Additional Secretary
3. Dr. A. S. Rajawat, Scientist G, SAC, ISRO, Ahmedabad.
4. Shri P. Pravin, ADG (MF), ICAR, Ministry of Agriculture, N Delhi,
5. Dr Debasish Roy, Sr Scientist, E&F Deptt Govt of Odisha
6. Dr. Veerendra Veer Singh, Scientist in charge, CMFRI, Mumbai
7. Shri Ramesh Ramachandran, NCSCM, Chennai
8. Shri Dipesh Mehta, Advocate, Mumbai
9. Shri Joseph SR De Souza, Chief Scientist, GCZMA
10. Shri Biswanath Sinha, Joint Secretary - Member Secretary

**II. Representatives from State/UT CZMAs**

1. Shri Ramachandra, Secretary Environment, Government of Karnataka
2. Dr. George Verghes, Member Secretary, KCZMA
3. Shri Chandan Sinha, Principal Secretary, Dept of Environment, Government of West Bengal
4. Shri Kunal, Secretary (Environment), Goa
5. Shri N. Kala CCF, Vansadari, Port Blair, IFS APCCF, Andman Nicobar
6. Shri Debendra Dalai CF, Daman & Diu
7. Shri Vijay Kumar, IFS, Spl. Director Member Secretary KSCZMA
8. Shri K. Kalamegam, Env Officer, In charge PCZMA, Puducherry
9. Shri M. Devi Prasad, Scientific officer, Environment Department Goa
10. Shri Dinesh M. Soneram, MCZMA, Government of Maharashtra
11. Shri Ashok M. Chauhan, Deputy EE, Department of Forest, Govt of Gujarat
12. Shri Debajyoti Bhowmick, IESWM, Consultant Govt of Kolkata

**III. MoEF&CC**

1. Shri S.K. Srivastava, Scientist E
2. Shri Shard Sapra, Scientist D

**Annexure-II**

**Status of Mapping of Ecologically Sensitive Areas along the coast of India  
(as on 24<sup>th</sup> May 2016)**

State/UT	QC completed (%)	Validation by state	Remarks by State/ UT Representatives	Date of submission of ESAs (pdf format) to concerned State Coastal Zone Management Authority	Estimated date of Completion by NCSCM & Submission to MoEF&CC
Gujarat	100	Yes	<ul style="list-style-type: none"> <li>GCZMA willing to carry out field verification of Archeological sites, RF, MPA, etc. as per the meeting held on 20th May 2016.</li> <li>GCZMA requested soft &amp; hard copies of the maps for field verification.</li> </ul>	<ul style="list-style-type: none"> <li>Will be submitted to GCZMA on 25th May 2016</li> </ul>	<ul style="list-style-type: none"> <li>10 working days on receiving comments from GCZMA</li> </ul>
Daman & Diu (UT)	100	To be validated			
Maharashtra	100	Yes	<ul style="list-style-type: none"> <li>Verified by MCZMA members on 07<sup>th</sup> May 2016</li> <li>Suggested few modifications and requested to submit MoEF&amp;CC</li> </ul>	NA	<ul style="list-style-type: none"> <li>June 20<sup>th</sup> 2016</li> </ul>
Goa	100	Yes	<ul style="list-style-type: none"> <li>Goa CZMA willing to carry out field verification for Mangroves, saltmarsh, etc. as per the meeting held on 3<sup>rd</sup> May 2016</li> <li>GCZMA requested softcopy for field verification.</li> </ul>	<ul style="list-style-type: none"> <li>Will be submitted on 5<sup>th</sup> June 2016</li> </ul>	<ul style="list-style-type: none"> <li>10 working days on receiving comments from Goa CZMA</li> </ul>
Karnataka	100	Yes	<ul style="list-style-type: none"> <li>Verified by KCZMA members on 18<sup>th</sup> May 2016 suggested few modifications.</li> <li>Requested to add two more archeological sites and some turtle nesting sites and coral reef area.</li> <li>KSCZMA requested soft copy (pdf format) for validation.</li> </ul>	<ul style="list-style-type: none"> <li>Will be submitted on 10<sup>th</sup> June 2016</li> </ul>	<ul style="list-style-type: none"> <li>10 working days on receiving authenticated letter from KCZMA on turtle nesting area, Archeological sites and coral reef data as hardcopy and softcopy</li> </ul>
Kerala	100	Yes	<ul style="list-style-type: none"> <li>Overall demarcation of ESAs are satisfactory</li> <li>Turtle nesting sites need to be rechecked</li> </ul>	NA	<ul style="list-style-type: none"> <li>30<sup>th</sup> June 2016</li> </ul>

State/UT	QC completed (%)	Validation by state	Remarks by State/ UT Representatives	Date of submission of ESAs (pdf format) to concerned State Coastal Zone Management Authority	Estimated date of Completion by NCSCM & Submission to MoEF&CC
Tamil Nadu	100	Yes	<ul style="list-style-type: none"> <li>ESA data for Kanyakumari District has been submitted to Environment Department/ TNCZMA for validation</li> </ul>	<ul style="list-style-type: none"> <li>Other districts will be submitted by 27<sup>th</sup> May 2016</li> </ul>	<ul style="list-style-type: none"> <li>10 working days after receiving comments from TNCZMA</li> </ul>
Puducherry (UT)	100	Yes	<ul style="list-style-type: none"> <li>Satisfactory</li> </ul>	NA	<ul style="list-style-type: none"> <li>30th May 2016</li> </ul>
Andhra Pradesh	100	To be validated	NA	NA	NA
Odisha	100	To be validated	NA	NA	NA
West Bengal	100	yes	<ul style="list-style-type: none"> <li>Turtle nesting areas of Digha coast need to be rechecked by NCSCM.</li> <li>Some areas of salt marsh, and mudflat need to rechecked by NCSCM.</li> <li>WBCZMA requested ESAs data in soft copy (PDF format) for validation</li> </ul>	<ul style="list-style-type: none"> <li>15th June 2016</li> </ul>	<ul style="list-style-type: none"> <li>10 working days after receiving comments from WBCZMA.</li> </ul>

**Status of Delineation of High Tide Line for the coast of India  
(as on 24<sup>th</sup> May 2016)**

State/UT	QC completed (%)	Submitted to MoEF&CC	Comments received from Coastal Zone Management Authorities
Gujarat	100	No	<ul style="list-style-type: none"> <li>As per the meeting held on 20th May 2016 with GCZMA members, some check points have been suggested to verify tidal limit.</li> <li>After receiving the tidal limit data from GCZMA the corrections will be incorporated and will be submitted to MoEF&amp;CC within 10 working days.</li> </ul>
Daman and Diu (UT)	100	Yes	<ul style="list-style-type: none"> <li>Submitted to MoEF&amp;CC</li> </ul>
Maharashtra	100	Yes	<ul style="list-style-type: none"> <li>As per the meeting held on 7th May 2016 with MCZMA members, some check points have been suggested to verify tidal limit. After receiving the salinity data from MCZMA corrections will be incorporated and will be submitted to MoEF&amp;CC within 10 working days</li> </ul>
Goa	100	Yes	<ul style="list-style-type: none"> <li>Submitted to MoEF&amp;CC</li> </ul>
Karnataka	100	Yes	<ul style="list-style-type: none"> <li>Submitted to MoEF&amp;CC</li> </ul>



Kerala	100	No	<ul style="list-style-type: none"> <li>As per the meeting held on 11<sup>th</sup> and 12<sup>th</sup> May 2016 with Members of KCZMA Salinity data for tidal limit in creeks and rivers of Kerala need to be received from KCZMA in the prescribed format given by NCSCM.</li> <li>After receiving the salinity data from KCZMA the corrections will be incorporated and will be submitted to MoEF&amp;CC within 10 working days</li> </ul>
Tamil Nadu	100	Yes	Submitted to MoEF&CC
Puducherry (UT)	100	Yes	Submitted to MoEF&CC
Andhra Pradesh	100	Yes	Submitted to MoEF&CC
Odisha	100	Yes	Submitted to MoEF&CC
West Bengal	100	No	<ul style="list-style-type: none"> <li>Will be submitted on 8th June 2016</li> </ul>

**Status of Cadastral Data received from Coastal States/ UTs  
(as on 24<sup>th</sup> May 2016)**

Coastal State/ UT	Cadastral Data available in %	Data Description	Format Provided	Date Received	Remarks
Tamil Nadu	100%	Data Provided in GIS format	Shape File	07.11.2014	
Gujarat	100%	Data Provided in GIS format	Shape File	08.12.2014	Data not available for a few locations
Puducherry	100%	Data Provided in GIS format	Shape File	02.02.2016	
Diu & Daman	100%	Data Provided in GIS format	Shape File	01.02.2016	
Karnataka	100%	Data Provided in GIS format	Shape File	7.10.2016	
Odisha	60%	Data Provided in GIS format Some data not georeferenced	Shape File	14.09.2015	Dataset have not been Georeferenced
Goa	80%	Data Provided in GIS format	Shape File	29.11.2015	<ul style="list-style-type: none"> <li>Data available only for 600 meter from the Coast,</li> <li>For some Creeks, cadastral data are missing</li> </ul>
Andhra Pradesh	80%	Data Provided in GIS format	Shape File	18.02.2016	Data not available for certain parts of taluks
Maharashtra	40%	Data Provided in GIS format	Shapefile	14.03.2016	<ul style="list-style-type: none"> <li>Cadastral data received for Ratnagiri and Raigad District.</li> <li>Remaining Districts such as Sindhudurg, Thane and Mumbai yet to be received</li> </ul>

Kerala	90%	Data Provided in GIS format	Shapefile	29.03.2016	<ul style="list-style-type: none"> <li>• Kannur &amp; Kasaragod district yet to be received</li> </ul>
West Bengal	0%	Data Provided in non GIS format and cannot be used	PDF		<ul style="list-style-type: none"> <li>• Cadastral data received in PDF document, unable to bring into GIS environment</li> </ul>

	Data Provided in GIS format		Received partly		Data not yet received (or) Received in CAD, Image & PDF format and cannot be used
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