

82nd MEETING

TAMIL NADU STATE COASTAL ZONE MANAGEMENT AUTHORITY

Date: 17.12.2014
Time: 03.00 P.M.

Venue:

**Chamber of the Principal Secretary to
Government,
Environment and Forests Department.,
7th floor, Secretariat,
Chennai - 600 009**

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**THE TAMIL NADU STATE COASTAL ZONE MANAGEMENT AUTHORITY
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**Venue: Chamber of the Principal Secretary
to Government,
Environment and Forests Department
7th floor, Secretariat,
Chennai- 600 009.**

**AGENDA ITEM NO.01: Confirmation of the minutes of the 81st meeting of
the Tamil Nadu State Coastal Zone Management
Authority held on 27.11.2014.**

The 81st meeting of the Tamil Nadu State Coastal Zone Management Authority was held on 27.11.2014 and the minutes were communicated in letter no. P1/141/2013 dated 04.11.2014 (Copy enclosed) of Director of Environment. It may be confirmed.

MINUTES OF THE 81st MEETING OF THE TAMIL NADU STATE COASTAL ZONE MANAGEMENT AUTHORITY HELD ON 27.11.2014

AGENDA ITEM NO.01: Confirmation of the Minutes of the 80th meeting of the Tamil Nadu State Coastal Zone Management Authority held on 27.10.2014.

The minutes of the 80th meeting of the Tamil Nadu State Coastal Zone Management Authority held on 27.10.2014 communicated in Letter No.P1/141/2013 dated 05.11.2014 of the Director of Environment, was confirmed.

AGENDA ITEM NO.02: Report on the follow up action taken in respect of decisions taken during the 80th meeting of the TNSCZMA.

The Member Secretary, TNSCZMA briefed the members about the action taken by the Department of Environment on the decisions taken during the 80th meeting of the Tamil Nadu State Coastal Zone Management authority held on 27.10.2014.

AGENDA ITEM NO. 03: Proposed construction and development of two new additional berths of each having 9 MTPA capacity inside the premises of Kamarajar Port Limited, Puzhuthivakkam village, Vallur post, Chennai proposed by M/s. Kamarajar Port Limited.

The Authority resolved to recommend the proposal to the Ministry of Environment and Forests, Government of India subject to the following specific conditions:

- a) There should not be any sea water intrusion or erosion on the adjacent coastal areas due to the proposed construction of two additional berths, dredging and also due to the dumping of dredged material.
- b) Dredged material should be dumped on the landward side and should not be dumped into the sea {CRZ-IV}., intertidal area {CRZ-IB} of the Buckingham canal and also in the salt pan areas as the salt pan areas are declared as CRZ-IB (inter tidal zone) as per the approved Coastal Zone Management Plan of Tamil Nadu.

- c) There should not be any impact of dispersal of dredge material on the adjacent L & T shipyard area especially the navigational channels of that shipyard.
- d) A continuous Proper air quality monitoring should be undertaken around the project area to implement corrective, mitigation measures immediately on the noticing of any adverse impact.
- e) Necessary adequate preventive measures should be taken to maintain the air quality PM₁₀ level at Ennore Port within the standards and it should not cross the prescribed limit and suitable plan on handling of coal in the project area shall be implemented.
- f) Necessary measures should be taken to control the noise level within the prescribed standard levels.
- g) Closed conveyor system, with latest technology, should be established for coal handling as indicated in the report.
- h) Green belt development shall be implemented.
- i) There shall be no extraction of ground water.
- j) As indicated in the revised report, sufficient allocation of funds should be made to carryout outdoor Environment Social Welfare Activities.

AGENDA ITEM NO.04: Project titled "Protection of Vaan Island in Gulf of Mannar from degradation through coral rehabilitation and deployment of artificial reefs" proposed by Suganthi Devadason Marine Research Institute, Thoothukudi for grant under State Coastal Zone Development Fund.

The Authority resolved to approve the proposals and resolved to permit the Member Secretary, Tamil Nadu State Coastal Zone Management Authority to carryout the above Coastal Conservation project under State Coastal Zone Development Fund subject to the following specific conditions:

- a) Before carrying out the activities one Wave Dynamic Study shall be carriedout through a reputed institution like IIT and also bathymetry study with relevant models.

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- b) Further based on the above studies the design and the location of the above pilot project shall be finalized.

- c) The conservation project shall be implemented in a pilot scale and after analysing the results, the size of the project area shall be extended.

AGENDA ITEM NO.05: Construction of residential building at S.No. 671/1(part), Kanniyakumari village, Agastheeswarm Taluk, Kanniyakumari district proposed by Thiru. G. Mani, Kanniyakumari.

The Authority resolved to clear the proposal subject to the following specific conditions:

- a) Planning permission should be obtained for the proposed constructions from the local authorities concerned and the proposed constructions should satisfy the local Town and Country Planning regulations including FSI/FAR as on 19.02.1991.
- b) There should not be any ground water extraction in CRZ.
- c) Proper arrangements should be made for the disposal of solid wastes generated in the project area.
- d) Adequate Rain Water Harvesting structures shall be created for water percolation and to harvest the rainwater to the maximum extent possible.

AGENDA ITEM NO.06: Construction of residential building at S.No. 671/1 (part), Kanniyakumari village, Agastheeswarm Taluk, Kanniyakumari district proposed by Tmt M. Parvathi, Kanniyakumari.

The Authority resolved to clear the proposal subject to the following specific conditions:

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- a) Planning permission should be obtained for the proposed constructions from the local authorities concerned and the proposed constructions should satisfy the local Town and Country Planning regulations including FSI/FAR as on 19.02.1991.

- b) There should not be any ground water extraction in CRZ.
- c) Proper arrangements should be made for the disposal of solid wastes generated in the project area.
- d) Adequate Rain Water Harvesting structures shall be created for water percolation and to harvest the rainwater to the maximum extent possible.

AGENDA ITEM NO.07: Construction of building for Class rooms at T.S. No. 630/2A to 630/2L, 631 part, 655, 657, 658, 660 part & 667 of Ward 6, Block No. 8 & 9, North Beach Road, Thoothukudi, Thoothukudi district proposed by the Principal, St. Marry's College, Thoothukudi

The Authority resolved to clear the proposal subject to the following specific conditions:

- a) Planning permission should be obtained for the proposed constructions from the local authorities concerned and the proposed constructions should satisfy the local Town and Country Planning regulations including FSI/FAR as on 19.02.1991.
- b) There should not be any ground water extraction in CRZ.
- c) Proper arrangements should be made for the disposal of solid wastes generated in the project area.
- d) Adequate Rain Water Harvesting structures shall be created for water percolation and to harvest the rainwater to the maximum extent possible.

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AGENDA ITEM NO.08: Any other issues with the permission of the Chair.

ADDL. AGENDA ITEM NO.01: Construction of foreshore facilities for cooling water intake and outfall structures for Uppur Thermal Power Project (2 x 800 MW) at S.F. Nos. 146, 149 of Uppur village, and S.F.No. 101 & 103 of Valamavoor village, ThiruvadanaI Taluk, Ramanathapuram district proposed by TANGEDCO, Chennai.

The Authority resolved to recommend the proposal to the Ministry of Environment and Forests, Government of India subject to the following specific conditions:

- a) Shoreline evolution due to the littoral drift on either side of the project site, along the coast, should be monitored continuously based on the LITPAC OF MIKE 21 modeling studies with reference to the construction of intake and outfall pipeline structures/ piers and jetty alignment and proper remedial action should be taken on the event of any adverse impacts.
- b) Turbulence caused at intake point due to drawl of water and at the outfall point due to discharge of coolant water should be under close and continuous monitoring especially on the turbidity levels so as to take mitigation measures on the event of adverse implications.
- c) A detailed study on the impacts of pier structures planned for 7 km in the sea, on the SEAGRASS and DUGONG habitats in and around the project areas should be taken up through one among the reputed institutions like NCSCM, Anna University., IIT, Madras., SDMRI, Tuticorin etc., and mitigation measures to be taken on the adverse impacts. Further on the basis of status report on the "Seagrass" which will be available shortly with the NCSCM, Anna University, necessary action should be taken for the artificial growth of "Seagrass" .
- d) It should be ensured that the structural stability of jetty and associated structures should withstand against high cyclonic winds.

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- e) The fly ash generated should be disposed / reused by implementing a suitable concrete plan.
- f) A concrete design for the ash pond and the maintenance plan incorporating the safeguards should be adhered as per the reports to tackle the worst case scenario during flooding, cyclones etc.,
- g) Closed conveyor system, with latest technology, should be established for coal handling.

- h) Impact of chemicals (used for cleaning of membrane of RO plant.,) in the R.O. reject (brine) on the marine organisms shall be closely monitored so as to take remedial action on the event of any adverse impact.
- i) A detailed action plan should be evolved to minimize the impact of project on Mangroves as the project site, is very near to the Mangroves belt. Necessary conservation programme shall be implemented to extend the existing Mangrove belt around the project area to counter the loss of Mangroves.
- j) A detailed continuous study should be conducted on the characteristics / quality of waste water, to be treated at ETP/STP and the characteristic of effluents/treated water. After analyzing the fitness, the treated water shall be used for greenery and other purposes.
- k) Adequate rain water harvesting shall be planned and the rain water shall be used without mixing with sea water for treatment.
- l) The temperature of water at the outfall point should be maintained within the prescribed levels.
- m) The Project should not in any way affect the fishing activities and also should not hinder the livelihood of the Fishermen.

Sd/-xxxx

Dr. H. Malleshappa., I.F.S.
Member Secretary, TNSCZMA &
Director, Dept. of Environment,
Chennai -15

Sd/-xxxx

Thiru Hans Raj Verma., I.A.S.,
Chairman, TNSCZMA and
Principal Secretary to Government.,
Environment & Forests Dept., Chennai - 9.

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AGENDA ITEM NO.02: The action taken on the decisions of 81st meeting of the Authority held on 27.11.2014 are given below:

SI. No	Description of proposals	Action taken
01	Proposed construction and development of two new additional berths at Puzhuthivakkam village, Vallur post, Chennai proposed by M/s. Ennore Port Limited.	As resolved, the proposal has been sent to Environment and Forests Department, GoTN in Ir. RoC. No. P1/1536/2014 dated 08.12.2014 for taking further action.
02	Project titled "Protection of Vaan Island in Gulf of Mannar from degradation	As requested by the Authority, Suganthi Devadsason Marine Research

	through coral rehabilitation and deployment of artificial reefs' proposed by SDMRI, Thoothukudi for grant.	Institute, Thoothukudi was requested to furnish some additional details in Ir. No. 2165/2014/P1 dated 11.12.2014.
03	Construction of residential building at S.No. 671/1(part), Kanniyakumari village, Agastheeswarm Taluk, Kanniyakumari district proposed by Thiru. G. Mani, Kanniyakumari.	As resolved Clearance under CRZ Notification 2011 has been issued for the project in Proc. No. P1/2093/2014 dated 08.12.2014.
04	Construction of residential building at S.No. 671/1 (part), Kanniyakumari village, Agastheeswarm Taluk, Kanniyakumari district proposed by Tmt M. Parvathi, Kanniyakumari	As resolved Clearance under CRZ Notification 2011 has been issued for the project in Proc. No. P1/2091 /2014 dated 08.12.2014
05	Construction of building for Class rooms at T.S. No. 630/2A etc., North Beach Road, Thoothukudi, Thoothukudi district proposed by the Principal, St. Marry's College, Thoothukudi	As resolved Clearance under CRZ Notification 2011 has been issued for the project in Proc. No. P1/2034/2014 dated 08.12.2014.
02	Construction of foreshore facilities for Uppur Thermal Power Project at Uppur village, Ramanathapuram district proposed by TANGEDCO, Chennai	As resolved, the proposal has been sent to Environment and Forests Department, GoTN in Ir. RoC. No. P1/1116/2014 dated 08.12.2014 for taking further action.

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AGENDA ITEM NO.03: Proposed improvements to the Marina Loop Road by relaying with cement concrete road from the junction of Light House in Kamaraj Salai to the junction of Pattinapakkam proposed by Corporation of Chennai.

The Corporation of Chennai has proposed improvements to the Marina Loop Road by relaying with cement concrete road from the junction of Light House in Kamaraj Salai to the junction of Pattinapakkam. The site (road) is falling along the sea, from the HTL to landward side in CRZ-II area. The total project cost is Rs.47.50 crores.

2) The subject was placed before the 80th meeting of the Tamil Nadu State Coastal Zone Management Authority held on 27.10.2014 and the Authority resolved to request the Corporation of Chennai to furnish the following additional details / documents for scrutiny.

- i) The exact activities for which clearance under CRZ Notification 2011 is sought for by the Corporation of Chennai shall be furnished
- ii) The Project report, Environmental Impact Assessment, Environmental Management Plan should be neatly prepared and submitted comprehensively with relevant maps, statements etc.,
- iii) As per the application the width of road is 15.50mts. The exact width and length of the present road available and the width and length of road to be relaid shall be furnished clearly.
- iv) The details about the extend of catchment area, quantity of storm water likely to be generated and the drainage facilities proposed shall be furnished with relevant calculations.
- v) A study report on the Olive Ridley Turtle nesting in the project area from a renowned institution / NGO who is actively involved in Sea Turtle Conservation shall be furnished.
- vi) As the Turtles are very sensitive to Lights the provision of street light fittings requires a close examination.
- vii) All the features of the project should be superimposed in the 1:4000 scale village cadastral HTL maps and to furnish the same for the scrutiny.
- viii) The fish vendors now use the either side of the road. The future plan for such people should be evolved.

4) In the meantime representations have been received from the South Indian Fishermen's Welfare Association, TN Fishermen Welfare

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Association, Ururkuppam Fishermen Co-operative Association, the Coastal Resource Centre, Students' sea Turtle Conservation Network (SSTCN) against the proposal due to the following specific reasons, among other things.

- a) Corporation of Chennai has proposed to extend the road to 10 ft., on the Eastern side which will affect the fishermens' day to day livelihood activities.
- b) Part of the project site is in between inter tidal zone.
- c) The area is an active nesting ground for Olive Ridley Turtles and last year alone 180 Olive Ridley Turtle nests were recorded.
- d) Volunteers relocated 153 nests into the Marina hatchery last season. Each nest contains anywhere between 80 to 180 eggs and a total of 13,900 hatchlings were released in to the sea from Marina hatchery between March and May 2014. 65 Nests were in the stretch between the Lighthouse and Foreshore Estate which amount to 5018 hatchlings. The Forests Department has also relocated nests from this stretch into their hatchery.
- e) Till the approval of Coastal Zone Management Plans showing the land use and fishermen residential area etc., no proposal should be taken up for approval.

5) The Corporation of Chennai has furnished further details in Ir. No. SP1/1865/2014 dated 24.11.2014 and in Ir.WDC No. SP.1/1865/2014 dated 10.12.2014 and the same is enclosed, where in the Corporation of Chennai has furnished details sought for by the TNSCZMA in the 80th meeting and also informed that **the Corporation of Chennai has requested clearance only for the relaying the road with cement concrete without beautification such as gallery, planter box, seaside footpath, ornamental items and with the existing lighting arrangements.** Further the Principal Chief Conservator of Forests and Chief Wild Life Warden, Chennai in ref. No. WL1/35270/2014 dated 02.12.2014 stated that 27 nests were located between Kamarajar Salai and beach junction of Pattinapakkam beach and he suggested that the Corporation of Chennai may lay the road without extending its width and switch off the street lights during nesting period between 11.00 pm to 5.00 am in the month of December to February every year (copy enclosed).

6) As per CRZ Notification 2011, construction of road in CRZ-II is not a prohibited activity. Further vide para 5 (x) of CRZ Notification 2011, in accordance with the provisions of the Notification, the proposal requires clearance from the State Coastal Zone Management Authority.

The Authority may consider.

AGENDA ITEM NO.04: Construction of groyne at Periathalai Village, Tiruchendur Taluk, Thoothukudi district proposed by PWD/WRO., Korampallam Aru Basin Division, Thoothukudi.

The District Coastal Zone Management Authority (DCZMA) of Thoothukudi district have forwarded a proposal for the Construction of of groyne at Periathalai Village, Tiruchendur Taluk, Thoothukudi district proposed by PWD/WRO., Korampallam Aru Basin Division, Thoothukudi, for clearance under CRZ Notification 2011.

2) Under the above proposal, the PWD has proposed to construct the following four groynes at a cost of Rs.25.20 crores.

- a) G1 - 800m on the Southern side
- b) G2 - 200m at the distance of 600m from G1.
- c) G3 - Additional Groyne of 75m at a distance of 200m from G2
- d) G4 - Additional groyne of 50m length at a distance of 150m from G3.

The PWD has stated that to tame the negative effect of Groynes G1 and G2 on the neighbourhood shoreline, it is proposed to construct 2 numbers of Groynes G3 and G4.

3) The PWD has furnished the design report of IIT, Chennai, EIA, Risk Assessment, Disaster Management and EMP reports on Marine and terrestrial components on the proposal and are enclosed.

4) The Project area is falling in CRZ-IV (water area into the sea). As per CRZ Notification 2011, vide para 4 (i) (a) Clearance shall be given for any activity within the CRZ if it requires waterfront and foreshore facilities; and vide para 4 (ii) (a) of the said Notification the above said activities require clearance from the MoEF., GoI.

The Authority may consider.

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AGENDA ITEM NO.05: Proposed sub-division of land falling in S.No. 92/243A1A, 92/272 of Neelankarai village, Kancheepuram district proposed by Thiru A R. Madanagopal, Chennai.

Thiru AR Madanagopal, Chennai has furnished a copy of letter received from the Corporation of Chennai dated 20.11.2014 along with a proposal for the sub-division of his land into 8 plots, which is falling in S.No. 92/243A1A, 92/273 of Neelankarai village. The site is falling in CRZ-II area on the landward side of the the existing Neelankarai Kuppam streets.,for Clearance under CRZ Notification 2011. The applicant has proposed to sub-divide the property of 5161.21 sq.mts into eight plots of around 545 sq.mts., each.

2) Powers have been delegated to Corporation of Chennai in Roc. No. P1/443/2011 dated 16.02.2012 for the construction of ordinary buildings and other small buildings, falling in CRZ-II areas. Delegation of powers has not been issued to CMDA and Corporation of Chennai with reference to sub-division proposals and hence the CMDA in letter No. L1/2862/2011 dated 16.11.2011 has requested to place the proposals in respect of sub-divisions and layouts before the TNSCZMA for approval.

3) As per CRZ Notification 2011, vide para 8 II CRZ-II (i) and (ii) construction shall be allowed by the State Coastal Zone Management Authority subject to the condition that the proposed construction should satisfy the local Town and Country Planning regulations including norms of FSI/FAR as on 19.02.1991.

4) The Authority may consider.

AGENDA ITEM NO.06: Any other issues with the permission of the Chair.

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Dr. H. Malleshappa., I.F.S.
Member Secretary, TNSCZMA &
Director, Dept. of Environment,
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Sd/- xxxx

Thiru Hans Raj Verma., I.A.S.,
Chairman, TNSCZMA and
Principal Secretary to Government Chennai -
Environment & Forests Dept., Chennai - 9

**MINUTES OF THE 82nd MEETING OF THE TAMIL NADU STATE COASTAL
ZONE MANAGEMENT AUTHORITY HELD ON 17.12.2014**

AGENDA ITEM NO.01: Confirmation of the Minutes of the 81st meeting of the Tamil Nadu State Coastal Zone Management Authority held on 27.11.2014.

The minutes of the 80th meeting of the Tamil Nadu State Coastal Zone Management Authority held on 27.11.2014 communicated in Letter No.P1/141/2013 dated 04.12.2014 of the Director of Environment, was confirmed.

AGENDA ITEM NO.02: Report on the follow up action taken in respect of decisions taken during the 81st meeting of the TNSCZMA.

The Member Secretary, TNSCZMA briefed the members about the action taken by the Department of Environment on the decisions taken during the 81st meeting of the Tamil Nadu State Coastal Zone Management authority held on 27.11.2014.

AGENDA ITEM NO.03: Proposed improvements to the Marina Loop Road by relaying with cement concrete road from the junction of Light House in Kamaraj Salai to the junction of Pattinapakkam proposed by Corporation of Chennai.

As the Corporation of Chennai has sought for clearance under CRZ Notification 2011, only for the relaying the road with cement concrete without beautification such as gallery, planter box, seaside footpath, ornamental items and with the existing lighting arrangements, the Authority resolved to clear the proposal subject to the following specific conditions:

- a) The Corporation should not carryout any activity other than the relaying of road with cement concrete with footpath, cycle track and storm water drain.
- b) The Corporation of Chennai should be involved in the conservation programme of Olive Ridley Turtles through renowned institution / NGO who is actively involved in Sea Turtle Conservation and also with Forest Department.
- c) As the Turtles are very sensitive to Lights the provision of lightings along the road should be kept at the minimum level in such a way the lighting should not

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affect the movement of Turtles. Further the Corporation should ensure to switch off the street lights during nesting period between 11.00 pm to 5.00 am in the month of December to February every year as suggested by the Forests Department.

- d) The Corporation of Chennai shall re-lay the existing marina loop road with white topping road (cement concrete) with cycle track without any widening.
- e) The Corporation of Chennai should ensure, that the Chennai Corporation or any other agency, should not carry out any other allied activity in and around the project area without the prior clearance of the TNSCZMA.
- f) The foot-path and storm water drain shall be provided only on the landward side of the existing road.

AGENDA ITEM NO.04: Construction of groyne at Periathalai Village, Tiruchendur Taluk, Thoothukudi district proposed by PWD/WRO., Korampallam Aru Basin Division, Thoothukudi.

The Authority resolved to recommend the proposal to the Ministry of Environment and Forests, Government of India subject to the following specific conditions:

- a) Shoreline evolution should be studied. If no time series erosion data is available, a suitable institute can be engaged to prepare a shoreline change map using historical details on berm line or historical images available in Google Earth to indicate erosion and if required, remedial measures need to be planned to prevent further erosion.
- b) The activity should not have any adverse impact on the marine organisms.
- c) No road shall be formed in CRZ.
- d) Only those structures mentioned in the proposal and which are absolutely essential should be constructed.
- e) The proposed activity shall not cause hindrance to the nearby human settlements/ authorised structures and fishing activities. The design of southern groin indicates that it is for multi-purpose, i.e., to protect beach as well as to create moderate tranquility of sea to provide safety to small fishing boats that are beached. This need to be spelt out clearly in the report.

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- f) Suitable management procedures for long-term maintenance of groins should be evolved.
- g) A system shall be evolved for a close and continuous monitoring during the construction and post construction phases through reputed institutions such as National Center for Sustainable Coastal Management (NCSCM), Anna University, Chennai/SDMRI, Tutcorin/ IIT Chennai. Periodical report shall be furnished by the PWD to Department of Environment on the site conditions once in 6 months so as to take mitigation suggestive measures on the event of any adverse impacts on the coast.
- h) The graphical representation on the base line data in the report is not depicted the correct facts and the same need to be revised. Further the baseline data has to be arrived atleast from six sample stations as per convention.
- i) The PWD should arrange for a presentation by Institute of Hydraulics and Hydrology (IHH), Poondi on the features of projects executed by them in the past with the achievement and present stage of the said projects.

AGENDA ITEM NO.05: Proposed sub-division of land falling in S.No. 92/243A1A, 92/272 of Neelankarai village, Kancheepuram district proposed by Thiru A R. Madanagopal, Chennai.

As the proposed sub-divisions of land is planned with the formation of a new passage., the Authority resolved to defer the proposal. The matter will be taken up after ascertaining the permissibility of the proposed development under CRZ Notification 2011.

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Dr. H. Malleshappa., I.F.S.
Member Secretary, TNSCZMA &
Director, Dept. of Environment,
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Sd/- xxxx
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