**81st MEETING**

**TAMIL NADU STATE COASTAL ZONE**

**MANAGEMENT AUTHORITY**

**Date: 27.11.2014 Venue:**

**Time: 02.00 P.M. PWD Conference Hall, 5th floor, Secretariat,**

**Chennai – 600 009**

**INDEX**

|  |  |  |
| --- | --- | --- |
| **Agenda No.** | **Description** | **Page**  **No.** |
| 01 | Confirmation of the minutes of the 80th meeting held on 27.10.2014. | 01 |
| 02 | The action taken on the decisions of the 80th meeting of the Authority held on 27.10.2014. | 07 |
| 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 | 08 |
| 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, Thoothuku+for grant under State Coastal Zone Development Fund. | 10 |
| 05 | Construction of residential building at S.No. 671/1(part), Kanniyakumari village, Agastheeswarm Taluk, Kanniyakumari district proposed by Thiru. G. Mani, Kanniyakumari. | 12 |
| 06 | Construction of residential building at S.No. 671/1 (part), Kanniyakumari village, Agastheeswarm Taluk, Kanniyakumari district proposed by Tmt M. Parvathi, Kanniyakumari. | 13 |
| 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. | 14 |
| 08 | Any other issues with the permission of the Chair | 14 |

**THE TAMIL NADU STATE COASTAL ZONE MANAGEMENT AUTHORITY – 81st MEETING**

**Date & Time: Venue: PWD Conference Hall.**

**27.11.2014 – 02.00 P.M. 5th floor, Secretariat,**

**Chennai– 600 009.**

# 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 80th meeting of the Tamil Nadu State Coastal Zone Management Authority was held on 27.10.2014 and the minutes were communicated in letter no. P1/141/2013 dated 05.11.2014 (Copy enclosed) of Director of Environment. It may be confirmed.

.02.

**MINUTES OF THE 80th MEETING OF THE TAMIL NADU STATE COASTAL ZONE MANAGEMENT AUTHORITY HELD ON 27.10.2014**

**AGENDA ITEM NO.01: Confirmation of the Minutes of the 79th meeting of the Tamil Nadu State Coastal Zone Management Authority held on 18.08.2014.**

The minutes of the 79th meeting of the Tamil Nadu State Coastal Zone Management Authority held on 18.08.2014 communicated in Letter No.P1/141/2013 dated 20.08.2014 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 79th 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 79th meeting of the Tamil Nadu State Coastal Zone Management authority held on 18.08.2014.

**AGENDA ITEM NO. 03**: **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 request the TANGEDCO to furnish the following additional details / documents for scrutiny.

i) Shoreline evolution due to the littoral drift on either side of the project site, along the coast, should be furnished based on the LITPAC OF MIKE 21 modeling studies with reference to the construction of intake and outfall pipeline structures/ piers and jetty alignment.

1. A detailed report should be submitted based on modeling studies on the Turbulance caused at intake point due to drawl of water and at the outfall point due to discharge of coolant water along with a close and

.03.

continuous monitoring plan on the turbidity levels. The modeling result should bring out resultant concentration of suspended matter at the bottom, intermediate and surface water in and around dispersal area.

1. A detailed report 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 and the mitigation measures to be taken on the adverse impacts, if any.
2. Structural drawing of foreshore facilities (in the beach) proposed to be constructed as a part of pipeline jetty
3. Details on structural stability of jetty and associated structures against high cyclonic winds to be included along with an Emergency Management plan in case structures get damaged due to high cyclonic winds.
4. The quantum of fly ash generated along with a concrete proposal for the reuse / disposal of the same should be furnished. The TANGEDCO should also clarify as the type of coal proposed to used and accordingly furnish the details based on the coal quality.
5. A concrete design for the ash pond along with the maintanance plan incorporating the safeguards, at the worst case senarios during flooding, cyclones etc., shall be furnished.
6. A detailed plan on the handling the coal at the project site along with the impact of coal dust on the neighbouring villages and the mitigation measures to be taken on the adverse impacts shall be produced.
7. Air quality modeling shall indicate on the emission concentration at stack level.
8. Impact of chemicals (used for cleaning of membrane of RO plant.,) in the R.O. reject (brine) on the marine organisms shall be furnished.
9. A detailed study report on the impact on Mangroves as the project site is very near to the Mangroves belt and the mitigation measures shall be furnished.

.04.

1. A detailed report on the characteristics / quality of waste water, effluent details to be treated at ETP/STP and the characteristic of treated water used for greenery and other purposes along with the extend of land covered for greenery shall be furnished. The same applies to sludge generated in ETP/STP.
2. A correct picture on the level of increase in temperature at the outfall point from ambient level shall be furnished after removing all the contradictions, on this issue, in the report.
3. Adequate rain water harvesting shall be planned and the rain water shall be used without mixing with sea water for treatment.

**AGENDA ITEM NO.04** **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 Authority resolved to request the Corporation of Chennai to furnish the following additional details / documents for scrutiny.

1. The exact activities for which clearance under CRZ Notification 2011 is sought for by the Corporation of Chennai shall be furnished
2. The Project report, Environmental Impact Assessment, Environmental Management Plan should be neatly prepared and submitted comprehensively with relevant maps, statements etc.,
3. 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.
4. 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.
5. 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.

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1. As the Turtles are very sensitive to Lights the provision of street light fittings requires a close examination.
2. 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.
3. The fish vendors now use the either side of the road. The future plan

for such people should be evolved.

**AGENDA ITEM NO.05 Proposed construction and development of two new additional berths of each having 9 MTPA capacity inside the premises of M/s. Ennore Port Limited, Puzhuthivakkam village, Vallur post, Chennai proposed by M/s. Ennore Port Limited.**

The Authority resolved to request the Ennore Port Limited to furnish the following additional details / documents for scrutiny.

1. A detailed report should be furnished on shoreline changes due to the construction of two new additional berths and also dumping of dredging materials in the sea.
2. The details of composition and quality of dredging materials with reference to the quantum of dredging materials should be furnished. Further the disposal of dredging materials with reference to the dumping location and purpose shall be furnished.
3. The possible adverse impacts on the dumping of dredged material along the low line area of Buckingham Canal should be addressed properly as the dredged material will be loose and fine soil. In any case dredged material should not dumped in the intertidal area of the Buckingham canal.
4. Details on impact of dispersal of dredge material on the adjacent L & T shipyard area especially the navigational channels of that shipyard need to be included in the report. If need be additional modeling studies should be undertaken.
5. The EIA/EMP with reference to the air quality should be furnished with reference to the nearest villages, habitations like Puzhuthivakkam, which is around one km from the project site.

.06.

1. It is noticed that the air quality PM10 level has already reached a higher level at Ennore Port with the present activities. Hence specific report should be furnished with reference to the PM10 level due to the addition of two berths for the import of coal with a detailed plan on handling of coal in the project area.
2. The noise levels indicated in the project report in the Port area are also high for the existing activities. The issue should be properly addressed in the EIA/EMP reports.
3. It is noticed that the Environment Social Welfare activities a sum of Rs.9.00 lakh per annum only allocated out of the project cost of Rs.500 crore. The allocation should be revised suitably.
4. The fresh water requirement and source for fresh water shall be furnished.

**AGENDA ITEM NO.06 Proposed reconstruction of shop building at South Raja Street, Thoothukudi proposed by Thiru M. Antony Arockia kishore, Thoothukudi**.

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

1. 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.
2. There should not be any ground water extraction in CRZ.
3. Proper arrangements should be made for the disposal of solid wastes generated in the project area.
4. Adequate Rain Water Harvesting structures shall be created for water percolation and to harvest the rainwater to the maximum extent possible.

Sd/-xxx Sd/-xxx

Dr. H. Malleshappa., I.F.S. Thiru Hans Raj Verma., I.A.S.,

Member Secretary, TNSCZMA & Chairman, TNSCZMA and

Director, Dept. of Environment, Principal Secretary to Government.,

Chennai -15 Environment & Forests Dept., Chennai – 9.

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**AGENDA ITEM NO.02: The action taken on the decisions of 80th meeting of the Authority held on 27.10.2014 are given below:**

|  |  |  |
| --- | --- | --- |
| **SI.No** | **Description of proposals** | **Action taken** |
| 01 | Construction of foreshore facilities for Uppur Thermal Power Project at Uppur village, Ramanathapuram district proposed by TANGEDCO, Chennai | As resolved the TANGEDCO was requested to furnish additional details in lr. No. P1/1116/2014 dated 05.11.2014 and are awaited. |
| 02 | 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 resolved the Corporation Chennai was requested to furnish additional details in lr. No. P1/1337/2014 dated 05.11.2014 and are awaited. |
| 03 | 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 Corporation Chennai was requested to furnish additional details in lr. No. P1/1536/2014 dated 05.11.2014 and are awaited. |
| 04 | Proposed reconstruction of shop building at Thoothukudi proposed by Thiru M. Antony Arockia kishore, Thoothukudi. | As resolved Clearance under CRZ Notification 2011 has been issued for the project in Proc. No. P1/947/2014 dated 11.11.2014 |

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**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.**

M/S. Kamarajar Port Limited, Chennai (erstwhile Ennore Port Limited) has already developed two coal berths CB1 and CB2 and is under operation since from 2001, with the coal handling capacity of 16 MTPA in order to meet the coal requirement of thermal power plants of TNEB. Now the Ennore Port Limited has proposed to construct two more coal berths (CB3 and CB4) each of 9 MTPA capacity. The areas of Coal Berths are CB3 – 336m X 150m & CB4 – 336 m X 184 m. The project area is under the direct control and within the limits and boundary of Kamarajar Port Limited.

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 Kamarajar Port Limited to furnish the following additional details / documents for scrutiny.

1. A detailed report should be furnished on shoreline changes due to the construction of two new additional berths and also dumping of dredging materials in the sea.
2. The details of composition and quality of dredging materials with reference to the quantum of dredging materials should be furnished. Further the disposal of dredging materials with reference to the dumping location and purpose shall be furnished.
3. The possible adverse impacts on the dumping of dredged material along the low line area of Buckingham Canal should be addressed properly as the dredged material will be loose and fine soil. In any case dredged material should not dumped in the intertidal area of the Buckingham canal.

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1. Details on impact of dispersal of dredge material on the adjacent L & T shipyard area especially the navigational channels of that shipyard need to be included in the report. If need be additional modeling studies should be undertaken.
2. The EIA/EMP with reference to the air quality should be furnished with reference to the nearest villages, habitations like Puzhuthivakkam, which is around one km from the project site.
3. It is noticed that the air quality PM10 level has already reached a higher level at Ennore Port with the present activities. Hence specific report should be furnished with reference to the PM10 level due to the addition of two berths for the import of coal with a detailed plan on handling of coal in the project area.
4. The noise levels indicated in the project report in the Port area are also high for the existing activities. The issue should be properly addressed in the EIA/EMP reports.
5. It is noticed that the Environment Social Welfare activities a sum of Rs.9.00 lakh per annum only allocated out of the project cost of Rs.500 crore. The allocation should be revised suitably.
6. The fresh water requirement and source for fresh water shall be furnished.

3) The Kamarajar Port Limited has furnished additional documents/ details on the above items in lr. No. EPL/MS/Env/CB3 & CB4/2013 dated 17.11.2014 and copies of the same are enclosed herewith.

4) As per CRZ Notification 2011, vide para 3 (i) (a) & 3 (iv) (b) construction for the foreshore facilities in CRZ and land reclamation, bunding or disturbing /the natural course of seawater as a measure for control of erosion based on EIA studies is permissible activity. Further, 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 activities ; However the proposal requires clearance from the Ministry of Environment and Forests, GoI vide para 4 (ii) (f) of CRZ Notification 2011.

4) The Authority may consider.

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**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 Suganthi Devadason Marine Research Institute (SDMRI)., Thoothukudi has submitted a Project titled “Protection of Vaan Island in Gulf of Mannar from degradation through coral rehabilitation and deployment of artificial reefs’ for grant under State Coastal Zone Development Fund.

2) The SDMRI has indicated in the proposal that the reef researchers of SDMRI during May, 2013, reported that the area of Vaan Island was reduced to approximately 5.7 hectares and has also been split into two portions, with south side about 2.7 hectares and north side 3 hectares and presently in September 2014 the northern side was fully submerged and the southern side is fast eroding and reduced the island area to about 2.5 hectares. Hence SDMRI has suggested to take immediate and long term protection measures to save the Vaan Island from further degradation, for which SDMRI suggested the following measures:

1. The immediate interventions like coral rehabilitation in the degraded areas within Marine National Park and deployment of Artificial Reefs at outside the Marine National Park boarding the Vaan island in the seaward side would help to reduce the impact of strong waves and currents.
2. The deployment of Artificial Reefs at outside the park area would also help to increase the fishery production and sustained livelihood of traditional fisher folk from nearby villages.

3) With the objectives of conservation of protection of Vaan island and the surrounding coral reefs and associated biodiversity in Gulf of Mannar Marine National Park, rehabilitation of degraded coral reef areas around Vaan Island, Deployment of artificial reefs along outside the Marine National Park boundary parallel to Vaan island in the seaward side to reduce the effect of currents and

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waves and to enhance fish habitats for higher production and protection of fish diversity etc., the SDMRI has proposed the above project for funding.

4) SDMRI has sought for the financial assistance of 1,86,67,000/- (Rupees One crore eighty six lakhs sixty seven thousand only) from State Coastal Zone Development Fund to execute the above proposal in a time schedule of 18 months.

5) As per GO. Ms.No. 166 E&F Department dated 20.07.1999, the TamilNadu State Coastal Zone Development Fund can be used among other things the following items also.

“Research Development works including training” and

“Identifying and implementing Coastal Conservation Programmes and Projects”

However, the expenditure could be incurred only with the prior approval of Tamil Nadu State Coastal Zone Management Authority.

6) Vide para V 4 (a) of CRZ Notification 2011, the Gulf of Mannar in Tamil Nadu has been declared as Critical Vulnerable Coastal Area (CVCA) which shall be managed with the involvement of the local coastal communities including the fisher folk.

7) The project can be considered as Pilot project under Coastal Conservation Programme.

The Authority may consider.

.12.

**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 District Coastal Zone Management Authority (DCZMA), Kanniyakumari district has sent a proposal for the construction of residential building at S.No. 671/1 (part), Kanniyakumari village, Agastheeswarm Taluk, Kanniyakumari district proposed by Thiru .G. Mani, Kanniyakumari.

2) The site is falling in CRZ-II on the landward side of the existing road. The applicant has proposed to construct 1545 sq.ft., with three floors, at a cost of Rs.16.00 lakhs. The DCZMA has informed that the Executive Officer, Kanniyakumari Town Panchayat has furnished report stating that the site is located on the landward side, the total height of the proposed building is less than 9mts and works have not been carried out. DCZMA has further informed that the Deputy Director of Town and Country Planning Tirunelveli has furnished report stating that the site has 13.9m approach road, the site is located on the landward side and within 200-500m of CRZ-II Zone and the proposed building satisfies the provisions of Municipality building rules. The DCZMA, Kanyakumari district has recommended the proposal to the TNSCZMA for consideration.

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.

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**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 District Coastal Zone Management Authority (DCZMA), Kanniyakumari district has sent a proposal for the construction of residential building at S.No. 671/1 (part), Kanniyakumari village, Agastheeswarm Taluk, Kanniyakumari district proposed by Tmt. M. Parvathi, Kanniyakumari.

2) The site is falling in CRZ-II on the landward side of the existing road. The applicant has proposed to construct 1555 sq.ft., with three floors, at a cost of Rs.16.00 lakhs. The DCZMA has informed that the Executive Officer, Kanniyakumari Town Panchayat has furnished report stating that the site is located on the landward side, the total height of the proposed building is less than 9mts and works have not been carried out. DCZMA has further informed that the Deputy Director of Town and Country Planning Tirunelveli has furnished report stating that the site has 13.9m approach road, the site is located on the landward side and within 200-500m of CRZ-II Zone and the proposed building satisfies the provisions of Municipality building rules. The DCZMA, Kanyakumari district has recommended the proposal to the TNSCZMA for consideration.

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.

.14.

**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 DCZMA for Thoothukudi district have forwarded a proposal for the 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 of North Beach Road, Thoothukudi, Thoothukudi district proposed by the Principal, St. Marry’s College, Thoothukudi for clearance under CRZ Notification 2011.

2) The site is falling in CRZ-II on the landward side of the existing road and authorized buildings. It is proposed to construct 1634.86 sq.m., with Ground floor and first floor. The total project cost is 122.11 lakhs. The Commissioner of Corporation of Thoothukudi in his letter No. 5522/F4/2014 dated 30.06.2014 has certified that the above construction proposal satisfies the norms for the building rules and recommend for clearance. The applicant has furnished drawings, topo sketch, estimate etc., The DCZMA, Thoothukudi have recommended the proposals to the TNSCZMA for consideration.

3) As per CRZ Notification 2011, vide para 8 II CRZ-II (i) (ii) and (iii) construction of buildings shall be permitted by the TNSCZMA, in CRZ-II areas on the landward side of the existing road/authorized buildings subject to the local town and country planning regulations including norms of FSI as on 19.02.1991.

The Authority may consider.

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

**Sd/- Sd/-**

Dr. H. Malleshappa., I.F.S. Thiru Hans Raj Verma., I.A.S.,

Member Secretary, TNSCZMA & Chairman, TNSCZMA and

Director, Dept. of Environment, Principal Secretary to Government (/c).,

Chennai -15 Environment & Forests Dept., Chennai – 9

**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 Tamil Nadu Generation and Distribution Corporation Ltd., (TANGEDCO) has proposed to establish 2 X 800 MW Supercritical Thermal Power Project at Uppur, Valamavoor and Thiruppalaikudi villages of Thiruvadanai Taluk, Ramanathapuram District. The proposed Power Plant is outside CRZ..

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 TANGEDCO to furnish the following additional details / documents for scrutiny.

i) Shoreline evolution due to the littoral drift on either side of the project site, along the coast, should be furnished based on the LITPAC OF MIKE 21 modeling studies with reference to the construction of intake and outfall pipeline structures/ piers and jetty alignment.

ii) A detailed report should be submitted based on modeling studies on the Turbulance caused at intake point due to drawl of water and at the outfall point due to discharge of coolant water along with a close and continuous monitoring plan on the turbidity levels. The modeling result should bring out resultant concentration of suspended matter at the bottom, intermediate and surface water in and around dispersal area.

iii) A detailed report 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 and the mitigation measures to be taken on the adverse impacts, if any.

1. Structural drawing of foreshore facilities (in the beach) proposed to be constructed as a part of pipeline jetty
2. Details on structural stability of jetty and associated structures against high cyclonic winds to be included along with an Emergency Management plan in case structures get damaged due to high cyclonic winds.
3. The quantum of fly ash generated along with a concrete proposal for the reuse / disposal of the same should be furnished. The TANGEDCO should also clarify as the type of coal proposed to used and accordingly furnish the details based on the coal quality.
4. A concrete design for the ash pond along with the maintanance plan incorporating the safeguards, at the worst case senarios during flooding, cyclones etc., shall be furnished.
5. A detailed plan on the handling the coal at the project site along with the impact of coal dust on the neighbouring villages and the mitigation measures to be taken on the adverse impacts shall be produced.
6. Air quality modeling shall indicate on the emission concentration at stack level.
7. Impact of chemicals (used for cleaning of membrane of RO plant.,) in the R.O. reject (brine) on the marine organisms shall be furnished.
8. A detailed study report on the impact on Mangroves as the project site is very near to the Mangroves belt and the mitigation measures shall be furnished.
9. A detailed report on the characteristics / quality of waste water, effluent details to be treated at ETP/STP and the characteristic of treated water used for greenery and other purposes along with the extend of land covered for greenery shall be furnished. The same applies to sludge generated in ETP/STP.
10. A correct picture on the level of increase in temperature at the outfall point from ambient level shall be furnished after removing all the contradictions, on this issue, in the report.

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1. Adequate rain water harvesting shall be planned and the rain water shall be used without mixing with sea water for treatment.

3) The TANGEDCO has furnished above documents/ details in lr. NoAEE/TPP/CRZ/D-501/2014 dated 26.11.2014 except item No. (iii) above and copies of the same are enclosed.

4) 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 activities ; and as per CRZ Notification 2011 vide para 8 I CRZ I (i) (b), 8I CRZ I (ii) (e), 8 III A (iii) (h) and 8 III B (v)., the above said activities are permissible activities in CRZ IA., CRZ-IB, and CRZ III (in No Development Zone and in restricted development zone) respectively. However, the proposal requires clearance from the Ministry of Environment and Forests, GoI vide para 4 (ii) (d) & (f) of CRZ Notification 2011.

5) The Authority may consider.

**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:

1. 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.
2. 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.

.2.

1. 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.
2. 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.
3. 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.
4. Necessary measures should be taken to control the noise level within the prescribed standard levels.
5. Closed conveyor system, with latest technology, should be established for coal handling as indicated in the report.
6. Green belt development shall be implemented.
7. There shall be no extraction of ground water.
8. 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:

1. 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.

.3.

1. Further based on the above studies the design and the location of the above pilot project shall be finalized.
2. 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:

1. 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.
2. There should not be any ground water extraction in CRZ.
3. Proper arrangements should be made for the disposal of solid wastes generated in the project area.
4. 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:

.4.

1. 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.
2. There should not be any ground water extraction in CRZ.
3. Proper arrangements should be made for the disposal of solid wastes generated in the project area.
4. 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:

1. 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.
2. There should not be any ground water extraction in CRZ.
3. Proper arrangements should be made for the disposal of solid wastes generated in the project area.
4. Adequate Rain Water Harvesting structures shall be created for water percolation and to harvest the rainwater to the maximum extent possible.

.5.

**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:

1. 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.
2. Turbulance 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.
3. 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” .
4. It should be ensured that the structural stability of jetty and associated structures should withstand against high cyclonic winds.

.6.

1. The fly ash generated should be disposed / reused by implementing a suitable concrete plan.
2. 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.,
3. Closed conveyor system, with latest technology, should be established for coal handling.
4. 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.
5. 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.
6. 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.
7. Adequate rain water harvesting shall be planned and the rain water shall be used without mixing with sea water for treatment.
8. The temperature of water at the outfall point should be maintained within the prescribed levels.
9. The Project should not in any way affect the fishing activities and also should not hinter the livelihood of the Fishermen.

Sd/-xxxx Sd/-xxxx

Dr. H. Malleshappa., I.F.S. Thiru Hans Raj Verma., I.A.S.,

Member Secretary, TNSCZMA & Chairman, TNSCZMA and

Director, Dept. of Environment, Principal Secretary to Government.,

Chennai -15 Environment & Forests Dept., Chennai – 9.