

# **AGENDA NOTES**

**59<sup>th</sup> MEETING**

## **TAMIL NADU STATE COASTAL ZONE MANAGEMENT AUTHORITY**

**Date: 28.05.2010**

**Time: 11.30 A.M.**

**Venue: PWD Conference Hall**

**5<sup>th</sup> Floor, New Building,**

**Secretariat, Chennai - 600 009**

## INDEX

Agenda No.	Description	Page No.
01	Confirmation of the minutes of the 58 <sup>th</sup> meeting held on 13.04.2010	01
02	The action taken on the decisions of the 58 <sup>th</sup> meeting of the Authority held on 13.04.2010	07
03	Re-construction and Modernization of existing M.A. Chidambaram Stadium., Chennai	08
04	Construction of Edible Oil Transit Storage Tank Terminal in Port Area by M/s. Kaleeswari Refinery Private Limited, Chennai	10
05	Permanent stability of Coastal Inlet of Vellar river and construction of FLC at Portonovo-Annankoil in Cuddalore District under ETRP proposed by Fisheries Department	12
06	Setting up of trestle mounted open sea jetty at Vanagiri village, Sirkali taluk, Nagapattinam district and construction of marine facilities proposed by M/s. NSL Nagapattinam Power & Infratech Private Limited., Hyderabad	14
07	Construction of Commercial cum Hotel Building at 110, Old Mahabalipuram road, Thiruvanmiyur village, Chennai 600 041 proposed by M/s. Brigade Enterprises Limited	17
08	Modernization of existing fish meal and fish oil company at Port Trust Area proposed by M/s. Golden Fish Meal and Fish Oil Company, Cuddalore	19
09	Extension of time for the Environmental Clearance already issued to the Director, Sacred Heart Marine Research Centre, Thoothukkudi with reference to the temporary research laboratory at Beach road, Karapad, Thoothukkudi.	22
10	Construction of Rajakkamangalam Fishing harbour proposed by M/s. Rajakkamangalam Thurai Fishing Harbour Private Ltd., (RTFHPL), Rajakkamangalamthurai, Kanniyakumari district under BOOT system by the Fisheries Department, Govt of TN.	23
11	Setting up of a beach resort at Mamallapuram, Tirukalukundram taluk, Kancheepuram district proposed by M/s. The Beach Retreat Resort & Spa, Mamallapuram.	25
12	Setting up of a beach resort at Kaippenikuppam, Marakkanam, Tindivanam taluk, Villupuram district proposed by M/s. SPA Legends and Resorts Private Ltd.	27
13	Purchase of Map Cabinets for the safe custody of HTL demarcation maps and the distribution of said maps to the Coastal District Collectors.	29
14	Updation of HTL Demarcation carried out by the Chief Hydrographer, Dehradun and fresh HTL demarcation from Pulicot Lake to Andhrapradesh Border through IRS., Anna Uni.	30

**AGENDA NOTES FOR THE 59<sup>th</sup> MEETING OF  
THE TAMIL NADU STATE COASTAL ZONE MANAGEMENT  
AUTHORITY**

**Date & Time:**

**28.05.2010 - 11.30 P.M.**

**Venue: PWD Conference Hall  
5<sup>th</sup> Floor, New Building,  
Secretariat, Chennai - 9**

**AGENDA ITEM NO.01: Confirmation of the minutes of the 58<sup>th</sup> meeting of  
the Tamil Nadu State Coastal Zone Management  
Authority held on 13.04.2010**

The 58<sup>th</sup> meeting of the Tamil Nadu State Coastal Zone Management Authority was held on 13.04.2010 and the minutes were communicated in letter no.P1/1578/2005 dated 22.04.2010 of Director of Environment. It may be confirmed.

**MINUTES OF THE 58<sup>th</sup> MEETING OF THE TAMIL NADU STATE COASTAL  
ZONE MANAGEMENT AUTHORITY HELD ON 13.04.2010**

**AGENDA ITEM NO.1 Confirmation of the Minutes of the 57<sup>th</sup> meeting of the  
Tamil Nadu State Coastal Zone Management Authority  
held on 24.02.2010**

The minutes of the 57<sup>th</sup> meeting of the Tamil Nadu State Coastal Zone Management Authority held on 24.02.2010 communicated in Letter No.P1/1578/2005 dated 01.03.2010 of the Director of Environment, was confirmed.

**AGENDA ITEM NO.2 Report on the follow up action taken in respect of  
decisions taken during the 57<sup>th</sup> meeting of the TNSCZMA.**

The Chairman and the Member Secretary briefed the members about the action taken by the Government and Department of Environment respectively, on the decisions taken during the 57<sup>th</sup> meeting of the Tamil Nadu State Coastal Zone Management authority held on 24.02.2010

**AGENDA ITEM NO.03 Setting up of 3600 MW coal based Thermal Power  
Plant, Captive Port and Desalination Plant at Kottatai,  
Ariyagoshti, Villiyannalur and Silambangalam villages,  
Chidambaram taluk, Cuddalore ditrict proposed by M/s  
IL&FS Tamil Nadu Power Company Limited.**

The Authority resolved to recommend the proposal for the construction of Captive Port, Port facilities, sea water intake, & marine out fall pipe lines, elevated closed coal conveyor with allied facilities to Ministry of Environment and Forests, Government of India subject to the following specific conditions:

- a) As the conservation of Pitchavaram Mangroves located about 9.5 kms from the project site is of serious concern, adequate precautionary arrangements should be taken to prevent any damage to Mangroves due to the operation of the power plant.
- b) Detailed study on Ambient Air Quality shall be conducted at Pitchavaram area based on wind pattern and plume dispersion modeling to formulate long term measures to mitigate the adverse impacts on the Bio-diversity. The study shall be focused not only the present but also on the potential future impacts.

.3.

- c) There shall not be any coal storage or coal stack in CRZ areas.
- d) As the proposed stack height is about 275mts., a detailed EMP based on stack emission and fugitive emission from coal storage yard shall be prepared adhering to the latest National Ambient Air Quality Monitoring (NAAQM) standards along with proper monitoring mechanism.
- e) A long term action plan for the conservation of mangroves shall be structured in the Planning stage itself in consultation with the Forest Department. The Forest Department shall also be involved in implementing and monitoring the action plan.
- f) A long term agreement shall be entered with NIOT /IOM Anna University / CAS in Marine Biology, Annamalai University for continuous monitoring of Marine Environment.
- g) Continuous monitoring should be carried out to ascertain the occurrence of coastal erosion / coastal accretion due to the dredging / dumping of dredged materials in the low lying coastal areas and if so, its extent of implication and the steps required to be taken to prevent erosion and its impact on marine ecology.
- h) The unit shall not discharge any sewage into sea.

**AGENDA ITEM NO.04**

**Setting up of trestle mounted open sea jetty at Vanagiri village, Sirkali taluk, Nagapattinam district and construction of Pump house, intake & outfall facilities for carrying out sea water and to let out the boiler blow down and desalination reject into the sea, coal coveyor and access to the jetty proposed by M/s. NSL Nagapattinam Power & Infratech Private Limited., Hyderabad**

The Authority resolved to request the applicant to furnish the following additional details in order to take further decision on the above proposals.

- a) The Authority noted that the Government in G.O.Ms.No. 127 Environment and Forests Department dated 08.05.1998 read with G.O.Ms. No 213 Environment and Forests dated 30.03.1989 and G.O.No 223 dated 02.09.1998 have issued orders that no highly polluting industries including thermal power plant should

.4.

be permitted within five kms from the embankments of river Cauvery and decided to ascertain from the proponent whether permission from Government has been obtained for locating the industry in the proposed site.

- b) As the unit has proposed to go for deep sea disposal of dredged materials, the details about dumping area and dredged materials along with the ecological impacts on the said proposed activity, based on the studies shall be furnished.
- c) The details of Noc obtained from the Forests Department, as the District Forest Officer has reported that the rare variety of olive ridley turtle is spotted during December to March at the site for the proposed captive port area shall be provided.
- d) The details on the impact on the livelihood of fishermen of about 10,000 members in and around villages of Chandrapadi, Chinnagudi, Chinnurpettai, Poompuhar, Vellakovil and Kuttiandiur due to the construction of approach trestle and a platform as a part of the proposal shall be furnished.
- e) A report on the impacts in fishing activities due to the setting up of proposed jetty shall be furnished.
- f) A detailed study report on diluting the brine with cooling water at source with characteristics of reject at plant and at the outfall point and also the details of monitoring mechanism shall be furnished.

**AGENDA ITEM NO.05**

**Installation of an additional Horton 5000 M<sup>3</sup> Sphere to store Vinyl Chloride Monomer at Tuticorin Port Trust area, Mullakadu village, Thoothukkudi Taluk, Thoothukkudi district proposed by M/s. D.C.W.Ltd., Sahupuram, Thoothukkudi district**

The Authority resolved to recommend the proposal for the installation of an additional Horton 5000 M<sup>3</sup> Sphere to store Vinyl Chloride Monomer to Ministry of Environment and Forests, Government of India subject to the following specific conditions:

.5.

- a) The construction materials and designs should be in accordance with the standard specifications and norms.
- b) A continuous monitoring system should be implemented with adequate safety measures to tackle the consequences of leakage, if any, arising during the storage and transportation of VCM.
- c) NoC from the Tamil Nadu Pollution Control Board shall be obtained.
- d) Mock drills must be carried out periodically.

**AGENDA ITEM NO.06 Construction of crude oil pipeline between Karaikkal Port Private Limited and existing Chidambaranar Oil Jetty (COJ) at Nagore, Nagapattinam district proposed by M/s.Chennai Petroleum Corporation Limited.**

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

- a) The grade of pipeline materials, design of pipelines and erection methodologies should be in accordance with the standard specifications and acceptable norms.
- b) A continuous monitoring system should be implemented with adequate safety measures to tackle the consequences of leakage, if any, arising during the storage and transportation of Crude oil.
- c) Right of way/NoC for the erection of pipeline across the vettar river shall be obtained from the PWD.
- d) NoC from the Tamil Nadu Pollution Control Board shall be obtained.

**AGENDA ITEM NO.07 Construction of Sewage treatment plants at Nagore and Nagapattinam together with out fall pipelines proposed by the Nagapattinam Municipality, Nagapattinam.**

The Authority resolved to recommend the proposal for the construction of Sewage treatment plants and allied facilities to Ministry of Environment and Forests, Government of India subject to the following specific conditions:

.6.

- a) The treated water shall be re- utilized for gardening, cultivation etc., to the maximum extent and the surplus water may be discharged into the rivers after achieving the PCB standards.
- b) The installation of STPs with latest technology such as Sequential Batch Reactor (SBR) may be explored instead of conventional system. Further the use of UV disinfection, instead of Chlorine in the proposed STPs shall also be explored.
- c) Discharge of treated effluent from STPs into river shall be designed for the least river flow conditions.
- d) A continuous monitoring system shall be implemented in consultation with the Tamil Nadu Pollution Control Board. Environmental Engineers shall be appointed to monitor the operation of the STP for implementing the project effectively.
- e) Well established Lab shall be provided to monitor the performance of STP.

**AGENDA ITEM NO:08 : GENERAL**

As the frequent absence of some Members creates difficulty in the conduct of the meeting, the Authority requested the Members to make it convenient to attend the meetings without fail and offer their valuable comments on the CRZ issues for the effective implementation of CRZ Notification 1991.

Sd/-  
Thiru T.S. Srinivasamurthy., I.F.S.  
Member Secretary, TNSCZMA and  
Director, Dept. of Environment,  
Chennai -15

Sd/-  
Thiru Debendranath Sarangi. IAS.  
Chairman, TNSCZMA and  
Principal Secretary to Government,  
Environment & Forests Department  
Chennai - 9



**AGENDA ITEM NO.02: The action taken on the decisions of 58<sup>th</sup> meeting of the authority held on 13.04.2010 are given below:**

SI. No	Description of proposals	Action taken
01	Setting up of 3600 MW coal based Thermal Power Plant, Captive Port and Desalination Plant at Kottatai, Ariyagoshti, Villiyannalur & Silambimangalam villages, Chidambaram taluk, Cuddalore ditrict proposed by M/s .IF&LS Tamil Nadu Power Company Ltd.	As resolved, the proposal has been sent to Ministry of Environment and Forests, GoI., through the Environment and Forests Department, GoTN., in letter No. 199/2010/P1 dated 22.04.2010.
02	Setting up of trestle mounted open sea jetty at Vanagiri village, Sirkali taluk, Nagapattinam district and construction of Pump house, intake & outfall facilities for carrying out sea water and desalination reject into the sea, coal coveyor and access to the jetty proposed by M/s. NSL Nagapattinam Power & Infratech Private Limited., Hyderabad	As resolved the applicant has been requested to furnish additional particulars in Ir. No. P1/517/2010 dated 22.04.2010
03	Installation of an additional Horton 5000 M <sup>3</sup> Sphere to store Vinyl Chloride Monomer at Tuticorin Port Trust area, Mullakadu village, Thoothukkudi Taluk, Thoothukkudi district proposed by M/s. D.C.W.Ltd., Sahupuram, Thoothukkudi district.	As resolved, the proposal has been sent to Ministry of Environment and Forests, GoI., through the Environment and Forests Department, GoTN., in letter No. 282/2010/P1 dated 22.04.2010.
04	Construction of crude oil pipeline between Karaikkal Port Private Limited and existing Chidambaranar Oil Jetty (COJ) at Nagore, Nagapattinam district proposed by M/s.Chennai Petroleum Corporation Limited.	As resolved, the proposal has been sent to Ministry of Environment and Forests, GoI., through the Environment and Forests Department, GoTN., in letter No. 135/2010/P1 dated 22.04.2010.
05	Construction of Sewage treatment plants at Nagore and Nagapattinam together with out fall pipelines proposed by the Nagapattinam Municipality, Nagapattinam	As resolved, the proposal has been sent to Ministry of Environment and Forests, GoI., through the Environment and Forests Department, GoTN., in letter No. 4029/2007/P1 dated 22.04.2010.

**AGENDA ITEM NO.3****Re-construction and Modernization of existing M.A. Chidambaram Stadium proposed by M/s. The Tamil Nadu Cricket Association, Chennai**

1.	Name of the Project	Re-construction and Modernization of existing M.A. Chidambaram Stadium
2.	Name of the Applicant	M/s. The Tamil Nadu Cricket Association., M.A. Chidambaram Stadium, Victoria Hostel Road Chepauk, Chennai 600 005
3.	Location of the Project Village/Town, Taluk, Dt.	Chepauk, Mylapore-Triplicane Taluk, Chennai
4.	R.S. No.s	R.S. No. 2622 part., 2622/12
5.	Extent of land	15.33 acres
6.	CRZ Classification	CRZ-II
7.	Project cost	Rs.88.00 crores.
8.	Activities proposed	Re-construction and Modernization of existing M.A. Chidambaram Stadium. Total built up area of the existing Stadium is 35,573.12 sq.mts., in the total plot area of 62054.16 sq.mts. It is proposed to expand the constructions to 49,598.88 sq.mts inclusive of existing built up area. Height of the building is 28.3 mts. F.S.I. proposed is 0.80. The applicant indicated that the fresh water requirement will be met through CMWSSB water supply. The waste water generated is disposed through CMWSSB sewers. The estimated quantum of waste water varies between 4 KLD to 44 KLD during normal and match days. The Solid Waste generated during the regular days shall be 20 kg/day and during match days 9,020 Kg/day and the waste shall be collected in three different points and shall be disposed through Neel Metal Fanalca. Totally 635 number of four wheeler and 410 number of two wheeler parking provision made available within the TNCA complex. During match days the facilities around TNCA stadium shall be made use of.
9.	Whether permitted activity as per CRZ Notification? If yes, specify the relevant rules	As per Para 6(2) CRZ-II (i) of the CRZ Notification 1991, Construction of buildings on the landward side of the existing authorized road is permissible activities subject to the existing local Town and Country Planning Regulations.

10.	The details of recommendations of DCZMA	<p>The District Coastal Zone Management Authority for CMDA areas in the meeting held on 10.05.2010 has resolved to recommend the proposal to State Coastal Zone Management Authority subject to the following conditions:</p> <ol style="list-style-type: none"> <li>a) The unit shall provide proper sanitary and other aesthetic facilities as proposed.</li> <li>b) The unit shall provide adequate escape routes and safety arrangements as proposed.</li> <li>c) Adequate arrangements shall be made from CMWSSB for the supply of water during the events as proposed.</li> <li>d) Solid waste management shall be implemented with proper source segregation and disposal.</li> <li>e) Proper parking facilities shall be provided</li> <li>f) Planning Permission shall be obtained from the CMDA</li> <li>g) Clearance from the SEIAA shall be obtained</li> <li>h) Necessary consent from TNPCB shall be obtained.</li> </ol>
11.	Any other details	<p>The Institute of Remote Sensing, Anna University has demarcated the location and furnished a map stating that there is no tidal influence along the said stretch of the Cooum river. However as per the approved State Coastal Zone Management Plan the site is falling in CRZ II as 100mts from the bank of Cooum are demarcated as CRZ. 47.70% of the project site is falling in CRZ.</p>
12.	Whether issue of clearance is with in the scope of SCZMA or NCZMA? Specify relevant rules	<p>National Coastal Zone Management Authority. As per Para 3(2)(v) of the CRZ Notification 1991, the activities with investment of five crores and more require clearance from the Ministry of Environment and Forests., GoI.</p>

The Authority may consider.

**AGENDA ITEM NO.4****Construction of Edible Oil Transit Storage Tank Terminal in Port Area by M/s. Kaleeswari Refinery Private Limited, Chennai**

1.	Name of the Project	Construction of Edible Oil Transit Storage Tank Terminal
2.	Name of the Applicant	M/s. Kaleeswari Refinery Private Limited., Chennai
3.	Location of the Project Village/Town, Taluk, Dt.	Chennai Port, Rajaji Salai, Chennai 600001
4.	R.S. No.s	R.S. No. 3129 of Chennai Port Trust area.
5.	Extent of land	1,798 sq.mts
6.	CRZ Classification	CRZ-II
7.	Project cost	Rs.4.53 crores.
8.	Activities proposed	Construction of 5 edible oil transit storage tanks having a holding capacity of 13,700 KL. Holding capacity of three tanks is 3,700KL each and the holding capacity of other two tanks are 800 KL and 1800 KL respectively. The activities involved at the terminal will be receipt of product through pipelines, road loading & unloading system, Top & Bottom loading system (TSS), Terminal Security system and Fire water system with integrated with port fire safety
9.	Whether permitted activity as per CRZ Notification? If yes, specify the relevant rules	As per Para 6(2) CRZ-II (i c) of the CRZ Notification 1991, storage of non hazardous cargo such as edible oil, fertilizers and food grain in notified ports is permissible activities.

10.	The details of recommendations of DCZMA	The District Coastal Zone Management Authority for CMDA areas in the meeting held on 10.05.2010 has resolved to recommend the proposal to State Coastal Zone Management Authority subject to the following conditions:  a) There should not be any leakage / spillage of edible oil in the project site.  b) The unit shall provide adequate safety measures  c) Periodical mock drill shall be conducted in association with the Chennai Port Trust.  d) There shall not be any processing except storage in the project site.
11.	Any other details	The tanks are designed specifically to hold edible oils such as Sunflower oil and vegetable oil etc.,
12.	Whether issue of clearance is with in the scope of SCZMA or NCZMA? Specify relevant rules	State Coastal Zone Management Authority.  As per Para 6(2) CRZ-II (i c) of the CRZ Notification 1991, storage of non hazardous cargo such as edible oil, fertilizers and food grain in notified ports is permissible activity.

The Authority may consider.

**AGENDA ITEM NO.5 Permanent stability of Coastal Inlet of Vellar river and construction of FLC at Portonovo-Annankoil in Cuddalore District under ETRP proposed by Fisheries Department**

Two proposals viz., Permanent stability of Coastal Inlet of Vellar river and construction of FLC at Portonovo-Annankoil in Cuddalore District under ETRP proposed by Fisheries Department have been placed before the Tamil Nadu State Coastal Zone Management Authority, in the 57<sup>th</sup> meeting held on 24.02.2010. The Authority has requested some additional details and the Commissioner of Fisheries, Chennai has in his letter dated 18.05. 2010 furnished details as follows:

SI. No	Details sought for	Reply furnished
a.	Fresh studies shall be conducted to achieve the latest standards of PM 2.5 and PM 10 levels prescribed by the Government of India through their recent notification and EIA shall be prepared based on the latest studies.	The Centre for Environmental Studies, Annamalai Univerisity have been entrusted with this job and the project will be executed by achieving the latest standards prescribed by GoI at the time of implementation.
b.	Details of Solid Waste generation together with Solid Waste Management shall be provided. The setting up of Organic Waster Convertor should be considered in fish landing centre instead of Bio-composting measures.	The solid waste is proposed to be converted into compost using an Organic Waste Converter (OWC) of 3 ton capacity.
c.	A Management Practice shall be evolved introducing Professionalism in operation and maintenance of the proposed STP, FBBR/FABR (Fluidized Bed Bio-Reactor/Fluidized Aerobic Bio-Reactor), Solid Waste Management, Operating Ice Plant	It is proposed to handover the Management Cell of Fish Landing Centre to the respective Management Committee approved by Govt. of TN. The facilities will be managed by the above employing qualified professionals.

d.	A detailed Environment Impact Assessment report on handling of Ammonia in the proposed Ice Plant covering all the sources for possible ammonia leakage shall be furnished. The report shall contain a detailed Management Plan after a detailed Risk Analysis to cover the systems/designs to be provided, action plan to be taken, measures to be adopted in the event of possible adverse incidents.	Risk Analysis study on handling of Ammonia in the proposed Ice Plant is provided by WAPCOS in the report
e.	The details of NOC obtained from the Revenue authorities for the proposed establishment of Fish Landing Centre in Sea Poramboku shall be provided.	Applied for NOC to Revenue Authorities
f.	The details of NOC obtained from the PWD authorities for the proposed dredging of Vellar river bed shall be furnished	Applied for NOC to PWD Authorities
g.	The detailed report on the current status of land use, their elevation, presence of sand bars, contents of materials at the dredging site together with the details of analysis confirming that the site is compatible for dredging shall be provided.	The land use pattern are given in EIA report. Sand bars are available at the Vellar Bar mouth and no sand dunes. A report in this regard will be obtained from IRS., Anna University.
h.	An environment monitoring plan shall be prepared in association with a reputed environmental institution such as National Institute of Ocean Technology (NIOT), Pallikaranai, Chennai,/ Institute of Ocean Management (IOM), Anna University, Chennai/ CAS in Marine Biology, Annamalai University, Parangipettai, to periodically assess and monitor the impact of operation of the facility on the marine environment during construction and post operation period.	EMP will be prepared to monitor the impact periodically during construction and post operation periods.

The Authority may consider.

**AGENDA ITEM NO.6 Setting up of trestle mounted open sea jetty at Vanagiri village, Sirkali taluk, Nagapattinam district and construction of Pump house, intake & outfall facilities for carrying out sea water and to let out the boiler blow down and desalination reject into the sea, coal coveyor and access to the jetty proposed by M/s. NSL Nagapattinam Power & Infratech Private Limited., Hyderabad**

The project has been placed in the 58<sup>th</sup> meeting of the Tamil Nadu State Coastal Zone Management Authority held on 13.04.2010 for consideration and the Authority has resolved to request the applicant to furnish some additional details in order to take further decision. The details sought for by the Authority and the reply furnished by the Proponent are furnished below:

SI. No.	Details sought for by the Authority.	Reply furnished by the Proponent.
1.	The Authority noted that the Government in G.O.Ms.No. 127 Environment and Forests Department dated 08.05.1998 read with G.O.Ms. No 213 Environment and Forests dated 30.03.1989 and G.O.No 223 dated 02.09.1998 have issued orders that no highly polluting industries including thermal power plant should be permitted within five kms from the embankments of river Cauvery and decided to ascertain from the proponent whether permission from Government has been obtained for locating the industry in the proposed site.	Necessary application was submitted to Government of Tamil Nadu for consideration of the project for the relaxation of said G.Os. and it is under review by concerned authorities. (copy of application enclosed)
2.	As the unit has proposed to go for deep sea disposal of dredged materials, the details about dumping area and dredged materials along with the ecological impacts on the said proposed activity, based on the studies shall be furnished.	Capital dredging is required to create inner navigational channel, outer navigational channel, turning circle and berthing areas. During the initial phase of development, the dredging volume is estimated at about 2.5 MCM and during master plan, the additional



		<p>dredging of volume is estimated about 1.75 MCM. The captive port/jetty does not envisage any reclamation. The entire quantity of dredged material will be disposed off based on mathematical modeling studies. Simulations were carried out and the result of simulations show that the sediment plume travels almost parallel to the coast and the effect on dredged channel and the basin is negligible. The resultant bed deposition due to the disposal of dredged material is less than 30 cm. (Copy of study report is enclosed)</p>
3.	<p>The details of NoC obtained from the Forests Department, as the District Forest Officer has reported the presence of the rare variety of olive ridley turtle during December to March at the site for the proposed captive port area shall be provided.</p>	<p>As per the study conducted by Annamalai university, the sea turtle nesting is sporadic in nature in and around Vanagiri areas and the same may not be viewed as a serious concern towards the establishment of captive jetty and power generation activity.</p> <p>Further as per the Survey of India Topo sheet, the area between HTL &amp; LTL proposed for captive open jetty being of predominantly mud/clay soil could never become a breeding / nesting centre for turtles. (copy of report enclosed.)</p>

4.	The details on the impact on the livelihood of fishermen of about 10,000 members in and around villages of Chandrapadi, Chinnagudi, Chinnurpettai, Poompohar, Vellakovil and Kuttiandiur due to the construction of approach trestle and a platform as a part of the proposal shall be furnished.	The water front to be occupied by captive jetty is only 864 mts and the above fishing villages are beyond 2 kms from the jetty. Fishermen in the area are usually engaged in deep sea fishing away from the shore. Further the proposed captive jetty is open jetty which may not cause hindrance to fishing activity. (topo map enclosed).
5.	A report on the impacts in fishing activities due to the setting up of proposed jetty shall be furnished.	As above. The details have been furnished in Chapter 8 of the EIA report.
6.	A detailed study report on diluting the brine with cooling water at source with characteristics of reject at plant and at the outfall point and also the details of monitoring mechanism shall be furnished.	Details furnished. (copy enclosed). The mathematical model study and the simulation results are furnished in Chapter 4 of the EIA report.

The Authority may consider.

**AGENDA ITEM NO:7**

**Construction of Commercial cum Hotel Building at 110, Old Mahabalipuram road, Thiruvanmiyur village, Chennai 600 041 proposed by M/s. Brigade Enterprises Limited.**

1.	Name of the Project	Construction of Commercial cum Hotel Building
2.	Name of the Applicant	M/s. Brigade Enterprises Limited, 25, Vellala Street, Kodambakkam, Chennai 600 024
3.	Location of the Project Village/Town Taluk, District	Thiruvanmiyur village, Chennai 600 041
4.	R.S. No.s	Old S.F. No.27/1,2,3 New T.S. No, 1/1 in block no. 33
5.	Extent of land	0.71485 ha.
6.	CRZ Classification	As per approved Coastal Zone Management Plan the site is falling in CRZ-II.
7.	Project cost	Total cost of Project Rs. 25.00 crores
8.	Activities proposed	Construction involves 2 basement, one Ground Floor and 10 floors in One block. No. of Car parking proposed in I basement are 51 with surface parking for 121 vehicles. No. of Two wheeler parking proposed in 2 <sup>nd</sup> basement are for 200 Nos. The unit Draws water from CMWSSB. The unit furnished the details for mode of disposal of sewage with reuse mechanism.
9.	Whether permitted activity as per CRZ Notification? If yes, specify the relevant rules	As per Para 6 (2) - CRZ-II buildings shall be permitted on the landward side of the existing road/ authorized structures. The site is falling on the landward side of existing road.
10.	The details of recommendations of DCZMA	The District Coastal Zone Management Authority has recommended the project for clearance under CRZ Notification 1991.

11.	Any other details	As per the approved State Coastal Zone Management Plan Map, the site is falling in CRZ-II within 100mts from Buckingham canal on the landward side of existing PTK Nagar street. However, as per the HTL demarcation map issued by the IRS., Anna University, the Buckingham canal behind the project site has no tidal influence.
12.	Whether issue of clearance is with in the scope of SCZMA or NCZMA? Specify relevant rules	National Coastal Zone Management Authority As per Para 3(2)(v) of the CRZ Notification 1991, the activities with investment of five crores and more require clearance from the Ministry of Environment and Forests., GoI.

The subject has been placed before the 52<sup>nd</sup> meeting of the State Coastal Zone Management Authority meeting held on 10.07.2009 and the Authority has resolved that the non-applicability of CRZ Notification 1991, in respect of the above project will be issued on receipt of necessary orders from Ministry of Environment and Forests, GoI, on the proposal of SCZMA for the deletion of non-tidal influenced areas from CRZ along the Buckingham canal from Thiruvanmiyur to Solinganallur.

However National Coastal Zone Management Authority has not accepted the proposal for the deletion of non-tidal areas along Buckingham canal in their 19<sup>th</sup> meeting held during January 2010 at New Delhi.

The applicant has in their letter dated 24<sup>th</sup> April 2010, requested to consider their project for CRZ Clearance.

The Authority may consider.

**AGENDA ITEM NO.8 Modernization of existing fish meal and fish oil company at Port Trust Area proposed by M/s. Golden Fish Meal and Fish Oil Company, Cuddalore**

1.	Name of the Project	Modernization of existing fish meal and fish oil company
2.	Name of the Applicant	Thiru R. Velmurugan, Partner, M/s. Golden Fish Meal and Fish Oil Company, 92 A & B, Industrial Shed., Cuddalore Port, Cuddalore District
3.	Location of the Project Village/Town, Taluk, Dt.	Cuddalore Port Trust Area, Cuddalore Old Town, Cuddalore
4.	R.S. No.s	R.S, No. 92-A & 92-B
5.	Extent of land	0.23acres
6.	CRZ Classification	CRZ-II
7.	Project cost	Rs.40.00 lakhs
8.	Activities proposed	The Company are using Indian Sardin (Mathi Fish) as a raw material for producing Fish Meal and Fish Oil by crude method. Under this method they will get only 300kgs of Fish meal and 30 kgs of Fish Oil from 1000kgs of material of Indian Sardin (Mathi fish) per batch. For this they are using big metal drums (5 Nos.) and for firing they are using firewood. They boil 200kgs of fish per drum for one to one and half hours and then extract the fish oil and squeeze the boiled fish with the help of jute bags and dry the wet fish meal in sun light for 2 days. After getting dried fish meal in solid form, the same will be converted into a powder form through diesel grinding machine. The finished product of fish oil and fish meal will be sold to poultry farms..

		<p>As the above crude method is an un-hygienic and did not met their financial target, they are planning to modernize their existing plant to meet their target. They are planning to produce 25 tons of fish meal and 10 tons of Fish Oil from 100 Tons raw material Indian Sardine (Mathi Fish) per day. The project cost is Rs.40.00 lakhs. The proposal includes setting up of ETP. The effluent generation expected will be around 65 KLD. The sludge generation will be around 5.4 Kgs per day and the same will be used a manure. The unit has been constructed in Tamil Nadu Maritime Board land under lease basis</p>
9.	Whether permitted activity as per CRZ Notification? If yes, specify the relevant rules	<p>As per CRZ Notification 1991 vide para 2 (iii) setting up and expansion of fish processing units including warehousing is prohibited activity. However that existing fish processing units for modernization purposes may utilize 25 percent additional plinth area required for additional equipment and pollution control measures only subject to existing FSI/FAR norms and subject to the condition that the additional plinth area shall not be towards seaward side of existing unit and also subject to the approval of State Pollution Control Board.</p>
10.	The details of recommendations of DCZMA	<p>The District Coastal Zone Management Authority for Cuddalore district in the meeting held on 31.03.2010 has resolved to recommend the proposal to State Coastal Zone Management Authority.</p>

11.	Any other details	The applicant proposed to draw bore water outside CRZ and indicated that they approached Regional Ground Water Board for NoC for drawal of ground water.
12.	Whether issue of clearance is with in the scope of SCZMA or NCZMA? Specify relevant rules	State Coastal Zone Management Authority. As per Para 6(2) CRZ-II (ii) of the CRZ Notification 1991, the SCZMA may consider the above proposal.

The Authority may consider.

**AGENDA ITEM NO.9 Extension of time for the Environmental Clearance already issued to the Director, Sacred Heart Marine Research Centre, Thoothukkudi with reference to the temporary research laboratory at Beach road, Karapad, Thoothukkudi.**

The Director, Sacred Heart Marine Research Centre, Thoothukdi have previously obtained CRZ clearance for establishing a temporary research laboratory at Beach Road, Karapad, Thoothukudi for conducting research on marine antifouling agent and the environmental clearance was issued in Proc. No. P1/624/2004 dated 09.06.2004 with a validity for three years. The Director, Sacred Heart Marine Research Centre, Thoothukudi has then requested for the extension of time to continue their research in Thoothukudi. As resolved in the 43<sup>rd</sup> meeting of the Tamil Nadu Coastal Zone Management Authority held on 03.10.2007, the environmental clearance already issued has been extended for three more years from 10.06.2007 to 09.06.2010 in pro. No P1/624/2004 dated 19.10.2007.

The site falls in CRZ-I(ii) - inter tidal zone. The structures are of temporary nature and located in the land belonging to Thoothukudi Port Trust.

Now the institution has requested for extension of time for 5 more years to complete the research subject to the conditions already imposed. The applicant has informed that they are conducting practical and applied research to develop nontoxic coatings that will prevent the attachments of barnacles on submerged surfaces based on "Static Immersion Test", which offers the opportunity to investigate the shear stress on the coating at ship speed of 18 to 40 miles per hour or higher speeds by simply changing the speed of rotation. Hence the institution has stated that it is roughly estimated that the research requires around five years to complete. The institution have informed that the Port Trust has given permission for the project and the Port Authorities have no objection to continue the project. They have also informed that there are no additional constructions and there is no other existing laboratory with such focus on the environment in Karapad.

The Authority may consider.



**AGENDA ITEM NO.10 Construction of Rajakkamangalam Fishing harbour proposed by M/s. Rajakkamangalam Thurai Fishing Harbour Private Limited (RTFHPL), Rajakkamangalamthurai, Kanniyakumari district under BOOT system by the Fisheries Department, Government of Tamil Nadu**

1.	Name of the Project	Construction of Rajakkamangalam Fishing harbour
2.	Name of the Applicant	M/s. Rajakkamangalam Thurai Fishing Harbour Private Limited (RTFHPL), Rajakkamangalamthurai, Kanniyakumari district.
3.	Location of the Project Village/Town, Taluk, Dt.	Neendakarai 'B' village in Agastheeswaram taluk of Kanniyakumari district.
4.	R.S. No.s	RS Nos. 1403 (1,2,3,4 & 5 parts) 1404 (1,2,3,4 & 5 parts) 1405 (1,2,3,4 & 5 parts), 1406/2, 1413
5.	Extent of land	16.695 ha
6.	CRZ Classification	CRZ-I (ii) & CRZ III
7.	Project cost	Rs.80.00 crores.
8.	Activities proposed	<p>a) Construction of Break waters:- Western b/w : 860 mts long with 64m round head &amp; Eastern b/w : 440mts long with 64 m roundhead.</p> <p>b) Approach channel with a width of 72 mts at entrance.</p> <p>c) RCC wharf of 500mts length and 30 mts width.</p> <p>d) RCC Finger Jetties of 150 mts length and 10 ms width - 5 Nos. in Phase-I</p> <p>e) Slip way of 60mts long with 12 m width</p> <p>f) Boat building, repair and maintenance</p> <p>g) Dredging of Harbour Basin to a maximum (-) 8 mts. Level from Chart Datum</p> <p>h) Development of land based Harbour facilities</p> <p>g) Construction of RCC bridge across "Pantri Vaickal" for access</p> <p>All the details are given in DPR prepared by IIT, Madras.</p>
9.	Whether permitted activity as per CRZ Notification? If yes, specify the relevant rules	As per Para 6(2) CRZ-I & 6 (2) CRZ-III (i) of CRZ Notification 1991, those activities directly related to water front or directly needing foreshore facilities are permissible activities.

10.	The details of recommendations of DCZMA	The District Coastal Zone Management Authority for Kanniyakumari district in the meeting held on 18.05.2010 has resolved to refer the proposal to State Coastal Zone Management Authority.
11.	Any other details	<p>The State Fisheries Department has proposed to develop fishing harbour at Rajakkamangalamthurai in Kanniyakumari district and M/s. Rajakkamangalamthurai Fishing Harbour Private Limited has been entrusted with the development of said Harbour under BOOT system by the Fisheries Department, Govt. of TN in Ir. No.1 DB/D2/303/2007 dated 17.12.2007.</p> <p>The proposed fishing harbour will be a Harbour complex and will be serving the berthing needs of all types of fishing vessels about 400 in number consisting of both traditional and modern mechanized fishing boats with drafts ranging from 4m to 8mts. The handling capacity of the Harbour will be 8,500 tons/annum.</p> <p>The water requirement will be 150 KLD which will be met through bore well outside CRZ. Out of 150 KLD about 50 KLD will be supplied to the boats as drinking water. About 50 KLD sewage and 50 KLD of trade effluent will be generated during the operation phase and to treat them both STP and ETP have been proposed.</p>
12.	Whether issue of clearance is with in the scope of SCZMA or NCZMA? Specify relevant rules	National Coastal Zone Management Authority. As per Para 3(2)(ii) & 3(2)(v) of the CRZ Notification 1991, the above activities require clearance from the Ministry of Environment and Forests, Government of India.

The Authority may consider.

**AGENDA ITEM NO.11**

**Setting up of a beach resort at S.F. No.91/48 91/30 of Mamallapuram, Tirukalukundram taluk, Kancheepuram district proposed by M/s. The Beach Retreat Resort & Spa, Mamallapuram.**

1.	Name of the Project	Construction of a Beach Resort
2.	Name of the Applicant	M/s. The Beach Retreat Resort & Spa, No.104, East Raja Street, Mamallapuram - 603 104.
3.	Location of the Project Village/Town Taluk, District	Mamallapuram, Tirukalukundram taluk, Kancheepuram district
4.	R.S. No.s	S.F. No.91/48 91/30
5.	Extent of land	0.8096 Ha.
6.	CRZ Classification	CRZ III
7.	Project cost	Rs. 4.92 crores.
8.	Activities proposed	<p>The applicant proposed to construct 32 rooms, main block with the reception, restaurant and kitchen and a swimming pool. Total area of the project site 8,096 sq.mts. The applicant proposed to construct the above facilities in 2271.91 sq.mts with the FSI of 32.07% (The permissible FSI is 33% of the total area). The height of the building is 6.40 mts. (As per CRZ Notification construction can be allowed upto 9 mts height). All the project areas falling in between 200 mts and 500 mts from HTL.</p> <p>No drawal of ground water in CRZ. The Project requires 24KLD as a maximum water demand and out of which the fresh water requirement will be 15 KLD. The balance 9KLD will be treated sewage recycled. The applicant has informed that they are having a water source in non- crz area in S.F. No.59/1C at a distance of 900 mts from the sea,</p>

		with an extent of 0.08 ha.,. The applicant informed that out of 10 KLD generation of waste water 9 KLD will be recycled for toilet flushing and the balance will be used for green belt and the project is Zero discharge project.
9.	Whether permitted activity as per CRZ Notification? If yes, specify the relevant rules	As per para 6 (2) CRZ III (iii) development of vacant plots between 200 and 500 metres of HTL in designated areas of CRZ-III with prior approval of Ministry of Environment and Forests may be permitted for construction of hotels/beach resorts for temporary occupation of tourists/visitors.
10.	The details of recommendations of DCZMA	The District Coastal Zone Management Committee, Kancheepuram, has discussed the subject in their meeting held on 05.10.2009 and recommended the project to State Coastal Zone Management Authority.
11.	Any other details	The applicant produced a copy of HTL demarcation map obtained from IRS., Anna University and the construction have been proposed at a distance of 230 mts from the HTL on the landward side and also 105 mts from the Archaeological monument site. The applicant has also obtained NOC for their proposed construction from the Archaeological monument.
12.	Whether issue of clearance is with in the scope of SCZMA or NCZMA? Specify relevant rules	National Coastal Zone Management Authority. As per para 6 (2) CRZ III (iii) development of vacant plots between 200 and 500 metres of HTL in designated areas of CRZ-III will be permitted with prior approval of Ministry of Environment and Forests. Further, as per para 3(2) (v) all activities with investment of five crore rupees or more require environmental clearance from Ministry of Environment, Government of India.

The Authority may consider

**AGENDA ITEM NO.12 Setting up of a beach resort at Kaippenikuppam, Marakkanam, Tindivanam taluk, Villupuram district proposed by M/s. SPA Legends and Resorts Private Ltd.**

1.	Name of the Project	Construction of a Beach Resort
2.	Name of the Applicant	M/s. SPA Legends & Resorts Pvt. Ltd., 118, Nungambakkam High Road, Chennai 600 034
3.	Location of the Project, Village/Town Taluk, District	Kaippenikuppam, Marakkanam, Tindivanam taluk, Villupuram district
4.	R.S. No.s	R.S.Nos. 158/1,4,5, 159/17A, 161/8, 166/17B, 18B, 197/1,2, 198/1,2,4,6,8,10, 199/2A, 4, 200/1,2A, 2B, 3A, 3B, 4,5, 202/2, 201/1, 204/10, 206/2, 2A, 2B, 3,10, 207/1,2,2A,3,3A,3B, 5, 208/1,3,4,5,6,7, 209/3.
5.	Extent of land	9,11,657.26 sq.mts.
6.	CRZ Classification	CRZ III & part of the project site is falling outside CRZ
7.	Project cost	Rs.32.00 crores.
8.	Activities proposed	<p>The unit has proposed to construct 340 number of cottages partly in CRZ and partly in outside CRZ besides constructing a main building consisting of 400 rooms outside CRZ. The unit has also proposed other facilities viz., Swimming pool, 4 number of Tennis Court, Car Parking and the construction details are as follows:</p> <p>Total area of the project site is 9,11,657.26 sq.mts. Built up area is 95,506 sq.mts.</p> <p><b><u>Construction details:</u></b></p> <p><b><u>Between 200mts &amp; 500mts from HTL in CRZ</u></b></p> <p>Buildings - 40368.30 sq.mts. Spa - 2435 sq.mts.</p> <p><b><u>Beyond 500mts from the HTL Outside CRZ</u></b></p> <p>Cottages - 32,638.20 sq.mts and main building 20,065.00 sq.mts.</p> <p>The daily demand for water will be 222.3 cub.mts per day, in which fresh water demand is 188.15 cub.mts/ day and recycled water is 37.8 cub.mts /day. The unit has indicated recycled water is 37.8 cub.mts /day.</p>

		The unit has indicated that the source of water will be through borewells, outside CRZ and they also informed that they have already applied for NOC for the drawal of ground water to the Regional Director of Central Ground Water Authority (Copy of letter enclosed). The unit has proposed for one STP & one ETP for treating the estimated waste water discharge of 167 KLD and Laundry waste water of 37 KLD respectively. The unit has also proposed to construct Organic Waste Converter (OWC) for composting organic waste.
9.	Whether permitted activity as per CRZ Notification? If yes, specify the relevant rules	As per para 6 (2) CRZ III (iii) development of vacant plots between 200 and 500 metres of HTL in designated areas of CRZ-III with prior approval of Ministry of Environment and Forests may be permitted for construction of hotels/beach resorts for temporary occupation of tourists/visitors. .
10.	The details of recommendations of DCZMA	The DCZMA, Villupuram has discussed the subject in their meeting held on 03.03.2010 and recommended the project to State Coastal Zone Management Authority.
11.	Any other details	The unit has furnished HTL demarcating map duly superimposing the proposed project constructions and the presence of sand dunes. The constructions are planned in non-sand dune areas project.
12.	Whether issue of clearance is with in the scope of SCZMA or NCZMA? Specify relevant rules	National Coastal Zone Management Authority. As per para 6 (2) CRZ III (iii) development of vacant plots between 200 and 500 metres of HTL in designated areas of CRZ-III will be permitted with prior approval of MoEF., GoI.

The Authority may consider.

**AGENDA ITEM NO.13 Purchase of Map Cabinets for the safe custody of HTL demarcation maps and the distribution of said maps to the Coastal District Collectors**

1. As per the CRZ Notification 1991, the High Tide Line should be demarcated uniformly in all parts of the Country by the demarcating Authority authorized by the Central Government. Accordingly the work has been entrusted to IRS., Anna University and they furnished nearly 500 maps, in A0 size, covering nearly the entire coastal stretch of Tamil Nadu. To protect the said maps in safe custody and from any damage, six Map Cabinets of having six racks each have been purchased from M/s. Jain Traders, who is an authorized whole sale dealer of M/s. Godrej & Boyce Mfg. Co. Ltd., by following Government Procedures at a cost of Rs.1,77,000/- (Rupees One Lakh Seventy Seven thousand only). The action of the Member Secretary, TNSCZMA in having purchased the Map Cabinet may kindly be ratified and the Member Secretary, TNSCZMA may be permitted to settle the bills for Rs.1,77,000/- from the Tamil Nadu Coastal Zone Management Fund A/c.
2. The HTL maps have been prepared under world bank aided ETRP scheme and hence the Commissioner of Revenue Administration (CRA), Chennai has insisted a set of maps is to be distributed to all the coastal District Collectors who are the Chairmen of the District Coastal Zone Management Authorities besides a set of maps to concerned Thasildars. These maps, owing to their sensitivity will have to be transported and distributed through hired vehicles to the above Authorities by deputing responsible staff of this Department. It is estimated that a sum of Rs.40,000/- will be required to settle the vehicle hire charges and the Member Secretary, TNSCZMA may be permitted to settle the bills towards vehicle hire charges from the Tamil Nadu Coastal Zone Management Fund A/c.

The Authority may consider.

**AGENDA ITEM NO.14 Updation of HTL Demarcation carried out by the Chief Hydrographer, Dehradun and fresh HTL demarcation from Pulicot Lake to Andhrapradesh Border through IRS., Anna University.**

As per para 1 (i) of CRZ Notification 1991, the High Tide Line shall be demarcated uniformly in all parts of the country by the demarcating authority or authorities so authorised by the Central Govt..

2) Accoringly, during 1998, the work has been entrusted to the Chief Hydrographer., who is the only authorized agency approved by the Government of India before 1999, for the 110 kms between Pulicat lake of Tiruvallure district and Palar river mouth of Kanchneepuram district, which are falling on the Northern State of Tamil Nadu as Phase I at a cost of 42.50 lakhs. The Chief Hydrographer has carried out the work during March 2000 to May 2000 and issued HTL maps during Feb/2001. As the HTL maps furnished by the Chief Hydrographer could not be usable as it contains only the HTL lines with longitude and latitude values, the work for the super imposition of HTL references furnished by the Chief Hydrographer, in the village cadastral maps has been entrusted to the Institute of Remote Sensing, Anna University.

3) At this juncture the Ministry of Environment and Forests, Government of India have in S.O. 550 (E) dated 21<sup>st</sup> May 2002 issued amendment to the existing CRZ Notification 1991, introducing a new concept that "the distance upto which the tidal effects are experienced shall be determined based on salinity concentration of 5 parts per thousand (ppt) and for this purpose of the notification, the salinity measurements shall be made during the driest period of the year" instead of "HTL means the line on the land up to which the highest water line reaches during the spring tide" issued in S.O.No. 1122(E) dated 29<sup>th</sup> December 1998 for the purpose of demarcation.

4) As such the entire output for the 110 kms requires further revision. Further a stretch of aound 150 kms between Andhrapradesh Border & Pulicat lake covering the coastal and tidal influenced water bodies have to be demarcated as the same has not been done previously.



5) In this connection, it is pointed out that under World Bank aided ETRP, HTL demarcation of coastal and tidal influenced water bodies have been completed from Palar river mouth of Kanceepuram to Kerela border in Kanyakumari district covering around 950 kms in 11 coastal district of Tamil Nadu and also the said HTL references have been superimposed in village cadastaral maps in 1:5000 scale, based on the revised guidelines. Further the features like sand dunes, mangroves and other ecological features in the above streches have also been incorporated in the HTL maps of IRS., Anna University.

**6) In view of above facts,**

**a) the following works have to be taken in order to complete the HTL demarcation all over Tamil Nadu uniformly as envisaged in CRZ Notification 1991.**

- h) Updatation of HTL demarcation with reference to latest guidelines issued by MoEF., GoI for the areas of 110 kms between Palar river mouth and Pulicat lake.
- ii) Fresh HTL demarcation for the coastal areas between Pulicat lake and Andhrapradesh border along with tidal influenced water bodies about 150 kms.
- iii) Superimposing the HTL references in the village cadastral maps of 1:5000 scale along with the ecological features like sand dunes, mangroves, monuments etc.,

a) The Chief Hudrographer, Dehradun was able of demarcate the HTL reference only. For superimposing the said HTL references in village cadastral maps some other agency have to be identified. Hence to avoid the said situation and also to complete the work uniformly through out the State, **the work may be entrusted to M/s. Institute of Remote Sensing, Anna University at a cost of Rs.35.00 lakhs + Service taxes as applicable (10.30%)., quoted by the institute based on the rates charged while conducting the HTL demarcation under ETRP.** This work includes expenditures towards village/ ward map collection, Digitization, ground surveys, HTL/LTL surveys, Map Preparation & Map Printing.

b) **The expenditure may be incurred from the Tamil Nadu State Coastal Zone Management Fund A/c.**

7. The Authority may consider.

**AGENDA ITEM NO:15 : ANY OTHER ISSUES WITH THE PERMISSION OF CHAIR.**

Sd/- xxx

Thiru T.S. Srinivasamurthy., I.F.S.  
Member Secretary, TNSCZMA and  
Director, Dept. of Environment,  
Chennai -15

Sd/- xxx

Thiru Debendranath Sarangi. IAS.  
Chairman, TNSCZMA and Principal  
Secretary to Government,  
Environment & Forests Dept., Chennai - 9

**MINUTES OF THE 59<sup>th</sup> MEETING OF THE TAMIL NADU STATE COASTAL  
ZONE MANAGEMENT AUTHORITY HELD ON 28.05.2010**

**AGENDA ITEM NO.1** Confirmation of the Minutes of the 58<sup>th</sup> meeting of the Tamil Nadu State Coastal Zone Management Authority held on 13.04.2010.

The minutes of the 58<sup>th</sup> meeting of the Tamil Nadu State Coastal Zone Management Authority held on 13.04.2010 communicated in Letter No.P1/1578/2005 dated 22.04.2010 of the Director of Environment, was confirmed.

**AGENDA ITEM NO.2** Report on the follow up action taken in respect of decisions taken during the 58<sup>th</sup> meeting of the TNSCZMA.

The Chairman and the Member Secretary briefed the members about the action taken by the Government and Department of Environment respectively, on the decisions taken during the 58<sup>th</sup> meeting of the Tamil Nadu State Coastal Zone Management authority held on 13.04.2010.

**AGENDA ITEM NO.3** Re-construction and Modernization of existing M.A. Chidambaram Stadium proposed by M/s. The Tamil Nadu Cricket Association, Chennai

The Authority has noted with displeasure that the applicant has already started the construction works without requisite statutory clearances and the Authority has resolved to place the fact on record.

Further the Authority also resolved to request the applicant to furnish the following additional details to take further action on their proposal.

- a) A detailed Environment Management Plan to mitigate the noise pollution caused during demolition / construction activity shall be furnished. The report shall contain the baseline noise levels and noise levels during demolition / construction activity, monitoring mechanism, periodicity of monitoring, the measures taken to tackle the adverse impacts etc.,
- b) A detailed Management Plan for dust Pollution also shall be furnished. The report should cover the present SPM levels and during the demolition works, the

.2.

measures to be taken to achieve the latest AAQ standards of PM10 & PM 2.5 prescribed by the Ministry of Environment and Forests, Government of India. Air quality monitoring stations should be erected for continuous monitoring till the completion of project construction.

- c) The details on disposal of construction debris shall be furnished. The details should cover the expected quantum of debris, the method of transportation and their disposal together with the permissions obtained from the competent authorities for the demolition of existing constructions, disposal of debris etc.,

**AGENDA ITEM NO.4      Construction of Edible Oil Transit Storage Tank Terminal in Chennai Port Area by M/s. Kaleeswari Refinery Private Limited, Chennai**

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

- a) The construction materials and design of storage tank and pipelines should be in accordance with the standard specifications and norms.
- b) A continuous monitoring and adequate safety measures to tackle the consequences of leakage, overflow, if any, arising during the storage and transportation should be implemented.
- c) A bund wall shall be erected around the tanks to contain the edible oil due to leakages / overflow for collection and reuse.
- d) The unit shall provide adequate AAQ monitoring stations for continuous monitoring of dust level (PM 2.5 & PM 10) during construction phase.
- e) The unit shall erect adequate barricades with fine mesh, screens along the boundary of the project site to control dust pollution caused during construction phase.
- f) Planning Permission shall be obtained from the CMDA as per norms.
- g) NoC from the Tamil Nadu Pollution Control Board shall be obtained.
- h) Disaster Management Plan shall be prepared and Mock drills must be carried out periodically along with Port Trust.

.3.

- i) Adequate Green belt shall be developed.
- j) Quantum of bottom sludge arisen from storage tankers periodically and method of collection, transportation and disposal of the same shall be prepared for proper management of the sludge disposal.

**AGENDA ITEM NO.5 Permanent stability of Coastal Inlet of Vellar river and construction of FLC at Portonovo-Annankoil in Cuddalore District under ETRP proposed by Fisheries Department.**

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

- a) It should be ensured that there should not be any adverse impact on coastal ecosystem due to the dredging activity and the dumping of dredged materials and proper mitigation measures should be evolved.
- b) A detailed report on the details of solid waste (Bio-degradable / non- degradable etc.,) generated and a proper plan for segregation at source shall be formulated. Organic Waste Converter (OWC) of adequate capacity shall be provided to dispose the biodegradable waste. Further other solid waste such as plastics may be collected and to be handed over to the nearby cement industries, periodically for co-processing in cement kilns.
- c) The Fishermen community shall be adequately educated on the segregation of solid waste for proper management of the solid waste.
- d) The facilities required such as Buyers waiting hall, Fish Auction hall, Parking area, Administrative office, Toilets, Net mending shed, may be classified as "integral to" and "not integral to" the fish landing centres and only those facilities which are integral to the fish Landing Centres may be provided under "Service area" and those which are "not integral to" may be located outside the CRZ areas.
- e) No drawal of ground water in CRZ areas is permitted.
- f) Adequate mitigation measures to be taken to prevent the Oil spillage and its adverse impact.

- g) The project proponent has to ensure to achieve the latest standards of PM 2.5 and PM 10 levels prescribed by the Government of India.
- h) Instead of using Chlorine the use of UV in the proposed STP shall be explored.
- i) Proper monitoring and management system to be prepared for handling Ammonia in the Ice Plants.
- j) An environment monitoring plan shall be prepared in association with a reputed environmental institution such as National Institute of Ocean Technology (NIOT), Pallikaranai, Chennai,/ Institute of Ocean Management (IOM), Anna University, Chennai/ CAS in Marine Biology, Annamalai University, Parangipettai, to periodically assess and monitor the impact of operation of the facility on the marine environment during construction and post operation period.

**AGENDA ITEM NO.6 Setting up of trestle mounted open sea jetty at Vanagiri village, Sirkali taluk, Nagapattinam district and construction of Pump house, intake & outfall facilities for carrying out sea water and to let out the boiler blow down and desalination reject into the sea, coal conveyer and access to the jetty proposed by M/s. NSL Nagapattinam Power & Infratech Private Limited., Hyderabad**

As the river Cauvery is located within 5 kms from the proposed power project site, is of serious concern and also not permitted in that location as per G.O. 127 Environment and Forest Department dated 08.05.1998 read with G.O.Ms. No. 213 Environment and Forest dated 30.03.1989 and G.O.Ms. No. 223 Environment and Forest Department dated 02.09.1998, the Authority resolved to request the applicant to relocate their Power Plant project site and come with a fresh proposal for consideration.

**AGENDA ITEM NO:7**      **Construction of Commercial cum Hotel Building at 110, Old Mahabalipuram road, Thiruvanmiyur village, Chennai 600 041 proposed by M/s. Brigade Enterprises Limited.**

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

- a) Planning Permission shall be obtained from the CMDA and the construction shall be subject to the existing local Town and Country Planning Regulations including the existing norms of Floor Space Index/ Floor Area Ratio.
- b) Necessary permission shall be obtained from CMWSSB for the supply of water and disposal of treated sewage.
- c) Solid waste management shall be implemented with proper source segregation and disposal.
- d) Clearance from the SEIAA shall be obtained.
- e) Necessary consent from TNPCB shall be obtained.

**AGENDA ITEM NO.8**      **Modernization of existing fish meal and fish oil company at Port Trust Area proposed by M/s. Golden Fish Meal and Fish Oil Company, Cuddalore**

As the unit has proposed to adopt crude method in extracting the fish meal and fish oil, the Authority resolved to request the applicant to submit a fresh proposal to carry out the operations through modern, scientific techniques in consultation with CIBA, Chennai.

Further, as the disposal of treated water through tankers is not permitted by TNPCB the Authority resolved to request the applicant to furnish an alternative methodology in disposal of treated water.

Disinfection of waste water using Chlorine should not be carried out.

**AGENDA ITEM NO.9**      **Extension of time for the Environmental Clearance already issued to the Director, Sacred Heart Marine Research Centre, Thoothukkudi with reference to the temporary research laboratory at Beach road, Karapad, Thoothukkudi.**

The Authority resolved to give extension of time for 5 more years with effect from 10.06.2010 to complete the research subject to the conditions already imposed.

**AGENDA ITEM NO.10 Construction of Rajakkamangalam Fishing harbour proposed by M/s. Rajakkamangalam Thurai Fishing Harbour Private Limited (RTFHPL), Rajakkamangalamthurai, Kanniyakumari district under BOOT system by the Fisheries Department, Government of Tamil Nadu**

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

- a) It should be ensured that there should not be any adverse impact on coastal ecosystem due to the dredging activity and the dumping of dredged materials and proper mitigation measures should be evolved.
- b) Organic Waste Converter (OWC) shall be provided in such a way that the OWC should tackle the additional Pollution load, if any, in future.
- c) The facilities required such as Auction hall, ice plant, stores, boat building and repair yards, administrative office, parking areas, workshops, garages, Canteen, Toilets, Net mending sheds, approach road etc., may be classified as "integral to" and "not integral to" the fishing harbour and only those facilities which are integral to the fishing harbour may be provided under "Service area" and those which are "not integral to" may be located outside the CRZ areas.
- d) No drawal of ground water in CRZ areas is permitted.
- e) Adequate mitigation measures to be taken to prevent the Oil spillage and its adverse impacts.
- f) The project proponent has to ensure to achieve the latest standards of PM 2.5 and PM 10 levels prescribed by Ministry of Environment and Forests, Government of India.
- g) Instead of using Chlorine the use of UV in the proposed STP shall be explored.
- h) A detailed study shall be conducted on the possible sea erosion to the nearby stretches and the breakwaters shall be designed in such a way that they shall not cause any erosion in the nearby habitations.



**AGENDA ITEM NO.11**      **Setting up of a beach resort at S.F. No.91/48  
91/30 of Mamallapuram, Tirukalukundram taluk,  
Kancheepuram district proposed by M/s. The  
Beach Retreat Resort & Spa, Mamallapuram.**

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

- a) There should not be any ground water extraction in CRZ.
- b) Waste water should be treated with STP and treated sewage shall be recycled for toilet flushing and green belt development.
- c) Proper arrangements should be made for the disposal of biodegradable solid wastes generated in the project areas, by providing Organic Waste Converter (OWC)
- d) NoC from Tamil Nadu Pollution Control Board should be obtained.
- e) The unit should obtain planning permission from the Department of Town and Country Planning.
- f) The overall height of the building shall not exceed 9 mts and there should not be more than two floors (Ground + First) and the FSI shall not exceed 0.33.

**AGENDA ITEM NO.12**      **Setting up of a beach resort at Kaippenikuppam,  
Marakkanam, Tindivanam taluk, Villupuram district  
proposed by M/s. SPA Legends and Resorts Private Ltd.**

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

- a) Existing sand dunes at the project site shall not be disturbed.
- b) There should not be any construction in the No Development Zone
- c) There should not be any ground water extraction in CRZ.
- d) Waste water should be treated in STP and treated sewage shall be recycled for toilet flushing and green belt development.
- e) Proper arrangements should be made for the disposal of biodegradable solid wastes generated in the project areas by providing Organic Waste Converter (OWC)

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- f) NoC from Tamil Nadu Pollution Control Board should be obtained.
- g) The unit should obtain planning permission from the Department of Town and Country Planning.
- h) The overall height of the building shall not exceed 9 mts and there should not be more than two floors (Ground + First) in CRZ areas and the FSI shall not exceed 0.33 in CRZ areas.
- i) The Department of Ecology and Environmental Sciences, Pondicherry University shall be involved in preparing conservation plan for protecting the sand dunes and monitoring the maintenance of sand dunes during construction and operation phase.

**AGENDA ITEM NO.13 Purchase of Map Cabinets for the safe custody of HTL demarcation maps and the distribution of said maps to the Coastal District Collectors.**

The Authority resolved to ratify the action of the Member Secretary, TNSCZMA in having purchased the Map Cabinets to protect the HTL maps supplied by the Institute of Remote Sensing in A0 size, in safe custody and from any damage. Further the Authority has also resolved to permit the Member Secretary, TNSCZMA to settle the bills for Rs.1,77,000/- from the Tamil Nadu Coastal Zone Management Fund A/c to the suppliers.

Further the Authority resolved to permit the Member Secretary, Tamil Nadu State Coastal Zone Management Authority (TNSCZMA) to hire vehicles to distribute the HTL maps received from the Institute of Remote Sensing, Anna University to all the coastal District Collectors, Coastal DEES of TNPCB & Regional Deputy Directors of Department of Town & Country Planning concerned at a cost of Rs.40,000/- and also the Authority resolved to permit the Member Secretary, TNSCZMA to settle the bills towards vehicle hire charges from the Tamil Nadu Coastal Zone Management Fund A/c.

**AGENDA ITEM NO.14** Updation of HTL Demarcation carried out by the Chief Hydrographer, Dehradun and fresh HTL demarcation from Pulicot Lake to Andhrapradesh Border through IRS., Anna University.

The Authority resolved to permit the Member Secretary, Tamil Nadu State Coastal Zone Management Authority to carry out the following works in order to complete the HTL demarcation all over Tamil Nadu uniformly as envisaged in CRZ Notification 1991.

- i) Updatation of HTL demarcation with reference to latest guidelines issued by MoEF., GoI for the areas of 110 kms between Palar river mouth and Pulicat lake.
- ii) Fresh HTL demarcation for the coastal areas between Pulicat lake and Andhrapradesh border along with tidal influenced water bodies about 150 kms.
- iii) Superimposing the HTL references in the village cadastral maps of 1:5000 scale along with the ecological features like sand dunes, mangroves, monuments etc.,

The Authority further resolved to permit the Member Secretary, Tamil Nadu State Coastal Zone Management Authority to entrust the work to M/s. Institute of Remote Sensing, Anna University at a cost of Rs.35.00 lakhs + Service taxes as applicable (10.30%).

The Authority also resolved to permit the Member Secretary, Tamil Nadu State Coastal Zone Management Authority to settle the above expenditure from the Tamil Nadu State Coastal Zone Management Fund A/c.

**AGENDA ITEM NO.15 - GENERAL**

- a) While scrutinizing the Power project proposals, the Chairman to Tamil Nadu State Coastal Zone Management Authority has emphasized that the Eco-system should be preserved along with the coastal area and it should not be at the cost of environment and opined that the industrialization and conservation should march together.

- b) The Authority opined that as several corporate sectors are coming forward with proposals with huge investment, they may be instructed to allocate sufficient funds for R&D, especially towards specific long term programmes for the conservation of biodiversity, species recovery, research, continuous monitoring etc., Further the Educational institutions such as CAS Marine Biology, Annamalai University, IOM Anna University, NIOT and the Government Departments viz., Fisheries, Forests, Environment and TNPCB may be included not only on formulating the programmes but also in implementing them, with their active participation.
- c) The Chairman, State Coastal Zone Management Authority informed that reviving the Buckingham canal for water transport within the Chennai City limit is not feasible and therefore has been excluded. This fact may be got confirmed by referring to the Inland Waterway Authority Notification. Hence the Chairman suggested that sending the said facts to the National Coastal Zone Management Authority for considering the deletion of non-tidal influence areas along the Buckingham canal from Kotturpuram to Sholinganallur from the approved State Coastal Zone Management Plan.
- d) The Authority resolved that Sub-committees of the Authority may be formed for monitoring the projects for which Environmental Clearances have been issued and for submitting the reports periodically about compliance of various conditions for the notice of TNSCZMA.

Sd/-  
Thiru T.S. Srinivasamurthy., I.F.S.  
Member Secretary, TNSCZMA and  
Director, Dept. of Environment,  
Chennai -15

Sd/-  
Thiru Debendranath Sarangi. IAS.  
Chairman, TNSCZMA and  
Principal Secretary to Government,  
Environment & Forests Department  
Chennai - 9

/Forwarded by order/