

AGENDA NOTES

58th MEETING

TAMIL NADU STATE COASTAL ZONE MANAGEMENT AUTHORITY

Date: 13.04.2010

Time: 03.30 P.M.

Venue: PWD Conference Hall

**5th Floor, New Building, Secretariat,
Chennai – 600 009**

INDEX

Agenda No.	Description	Page No.
01	Confirmation of the minutes of the 57 th meeting held on 24.02.2010	01
02	The action taken on the decisions of the 57 th meeting of the Authority held on 24.02.2010	06
03	Setting up of 3600 MW coal based Thermal Power Plant, Captive Port and Desalination Plant at Kottatai, Ariyagoshti, Villiyannalur and Silambimangalam villages, Chidambaram taluk, Cuddalore ditrict proposed by M/s .IF&LS Tamil Nadu Power Company Limited	07
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	10
05	Installation of an additional Horton 5000 M ³ 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 dt.	14
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.	16
07	Construction of Sewage treatment plants at Nagore and Nagapattinam together with out fall pipelines proposed by the Nagapattinam Municipality, Nagapattinam.	18

**AGENDA NOTES FOR THE 58th MEETING OF
THE TAMIL NADU STATE COASTAL ZONE MANAGEMENT
AUTHORITY**

Date & Time:

13.04.2010 - 03.30 P.M.

**Venue: PWD Conference Hall
5th Floor, New Building,
Secretariat, Chennai – 9**

**AGENDA ITEM NO.01: Confirmation of the minutes of the 57th meeting of
the Tamil Nadu State Coastal Zone Management
Authority held on 24.02.2010**

The 57th meeting of the Tamil Nadu State Coastal Zone Management Authority was held on 24.02.2010 and the minutes were communicated in letter no.P1/1578/2005 dated 01.03.2010 of Director of Environment. It may be confirmed.

MINUTES OF THE 57th MEETING OF THE TAMIL NADU STATE COASTAL ZONE MANAGEMENT AUTHORITY HELD ON 24.02.2010

AGENDA ITEM NO.1 Confirmation of the Minutes of the 56th meeting of the Tamil Nadu State Coastal Zone Management Authority held on 29.01.2010

The minutes of the 56th meeting of the Tamil Nadu State Coastal Zone Management Authority held on 29.01.2010 communicated in Letter No.P1/1578/2005 dated 09.02.2010 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 56th 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 56th meeting of the Tamil Nadu State Coastal Zone Management authority held on 29.01.2010

AGENDA ITEM NO.03 Construction of Fish landing centre at Portonova - Annankovil village in Cuddalore district proposed by Fisheries Department, Government of Tamil Nadu.

&

AGENDA ITEM NO.04 Permanent stability of Coastal Inlet of Vellar river of Cuddalore District under ETRP proposed by Fisheries Department, Government of Tamil Nadu.

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

- 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.
- 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.

.3.

- 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.
- 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 on the event of possible adverse incidents.
- e) The details of NOC obtained from the Revenue authorities for the proposed establishment of Fish Landing Centre in Sea Poramboku shall be provided.
- f) The details of NOC obtained from the PWD authorities for the proposed dredging of Vellar river bed shall be furnished.
- 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.
- 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.

AGENDA ITEM NO.05 Construction of Port Link from Chennai Port to National Highway at Maduravoyal proposed by M/s. Chennai Port Trust

The Authority resolved to recommend the proposed Construction of Port Link from Chennai Port to National Highway at Maduravoyal to Ministry of Environment and Forests, Government of India with the following observations:

The proposed construction is a Port Link, which is a conveyance system, to be built, on stilts and hence the said construction will not affect the hydraulic free flow of water in the Cooum river. Further construction of this Port Link which is a conveyance system, is a permissible activity under CRZ Notification 1991 and being a permissible activity no separate relaxation under CRZ Notification 1991 is necessary for the above project.

AGENDA ITEM NO.6 Reconstruction of Vulnerable houses under ETRP in CRZ-III areas between 200mts and 500 mts from the HTL of Sea in 10 Coastal districts of Tamil Nadu.

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

- a) All activities should be in conformity with the provisions of the CRZ Notification 1991.
- b) The activities should not cause any adverse impact on the nearby ecological biodiversities
- c) There should not be any ground water extraction in CRZ
- d) Treated/untreated sewage should not be let out in the CRZ
- e) Construction in between HTL and LTL of any nature should be avoided.
- f) Water and sanitation conditions may be taken due care by providing proper treatment system.
- g) Natural landforms in the coastal zone like beaches and dunes should not be altered or levelled.
- h) Debris strewn in backwater areas should be removed.

.5.

- i) Proper arrangements should be made for the proper disposal of solid wastes generated in the project areas.

ADDL. AGENDA ITEM NO.01 Laying of crude oil pipeline from Chennai Port Trust to CPCL Refinery at Manali, Tamil Nadu by M/s. Chennai Petroleum Corporation Limited

Even though Government of India has declared Manali, Tamil Nadu as one among the Critically Polluted Area, the applicant has indicated that there will be no expansion in their activity or in their output. As the proposal is only for the replacement of existing transport crude oil pipeline, in a new alignment, the Authority resolved to recommend the proposal to Ministry of Environment and Forests, Government of India with the following specific conditions:

- 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 and to be furnished based on the latest studies.
- b) A HTL map shall be furnished duly superimposing the proposed pipeline obtained from an authorized agency approved by Government of India.

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

Sd/- xxxxxxxxxx
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 57th meeting of the authority held on 24.02.2010 are given below:

SI. No	Description of proposals	Action taken
01	Construction of Fish landing centre at Portonova - Annankovil village in Cuddalore district proposed by Fisheries Department, Government of Tamil Nadu.	As resolved the applicant has been requested for additional particulars in Ir. No. P1/453/2010 dated 02.03.2010.
02	Permanent stability of Coastal Inlet of Vellar river of Cuddalore District under ETRP proposed by Fisheries Department, Government of Tamil Nadu.	As resolved the applicant has been requested for additional particulars in Ir. No. P1/453/2010 dated 02.03.2010
03	Construction of Port Link from Chennai Port to National Highway at Maduravoyal proposed by M/s. Chennai Port Trust	As resolved, the recommendation of the SCZMA has been sent to Ministry of Environment and Forests, GoI., through the Environment and Forests Department, GoTN., in letter No. 2591/2008/P1 dated 01.03.2010.
04	Reconstruction of Vulnerable houses under ETRP in CRZ-III areas between 200mts and 500 mts from the HTL of Sea in <u>10 Coastal districts</u> of Tamil Nadu.	As resolved, Clearance under CRZ Notification 1991, has been issued as follows: <ol style="list-style-type: none"> 1. Kanniyakumari dt.-P1/411/2010 dt.02.03.2010 2. Tirunelveli dt. - P1/402/2010 dt.02.03.2010 3. Kancheepuram dt.-P1/311/2010 dt.02.03.2010 4. Ramanad dt. -P1/405/2010 dt.02.03.2010 5. Nagai dt. -P1/378/2010dt. 02.03.2010 6. Cuddalore dt. - P1/376/2010 dt.02.03.2010 7. Thanjavur dt. -P1/404/2010 dt. 02.03.2010 8. Thoothukkudi dt.-P1/412/2010dt. 02.03.2010 9. Pudukkottai dt. - P1/408/2010 dt.02.03.2010 10. Viilupuram dt., - P1/377/2010 dt. 02.03.2010
05	Laying of crude oil pipeline from Chennai Port Trust to CPCL Refinery at Manali, Tamil Nadu 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. 2332/2007/P1 dated 02.03.2010.

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

1.	Name of the Project	Setting up of 3600 MW coal based Thermal Power Plant, Captive Port and Desalination Plant
2.	Name of the Applicant	M/s .IF&LS Tamil Nadu Power Company Limited 103, Nelson Manickam Road, Aminjikarai, Chennai 600 029.
3.	Location of the Project Village/Town, Taluk, Dt.	Kottatai, Ariyagoshti , Villiyannalur and Silambimangalam villages, Chidambaram taluk, Cuddalore ditrict
4.	R.S. No.s	Enclosed in Schedule - I
5.	Extent of land	Total area of the project is 1181.43 acres as follows: 1. Silambimangalam - 20.19 acres 2. Villiyannalur - 282.00 acres 3. Kottattai - 547.68 acres 4. Ariyagoshti - 331.56 acres
6.	CRZ Classification	CRZ-I(ii) and CRZ-III.
7.	Project cost	Total project cost in CRZ is 20,390 crores
8.	Activities proposed	The following activities are falling in CRZ: a) Sea water intake and marine out fall pipe lines, Elevated and closed coal conveyer, Gate complex, Dispensary, Ambulance, Parking, Administration Building, Canteen Building, Substation, Fire station building, Water storage tank, Sea water intake Pump House, Underground Sump, Access road upto port facilities, By-passing sand from south to mitigate depletion of the coast on north (beach nourishment)

		<p>b) Captive Port and Port facilities. - 2 bulk berths for unloading coal, Berth type will be open piled (bored -cast in situ) structure type supporting RCC deck of following specifications:</p> <ul style="list-style-type: none"> i) Dimension 2 berths each 300 x 25 m and each berth shall be fitted with two rail mounted gantry type grab unloaders of peak capacity 2000 TPH and an average capacity of 1250 TPH. ii) Water depths : (-) 15.1 m CD iii) Length & size of Vessel 245 m and 80,000 DWT iv) Type of Cargo - Import of coal - 15 MTPA of coal
9.	Whether permitted activity as per CRZ Notification? If yes, specify the relevant rules	As per Para 6 (2) CRZ-I and para 6 (2) CRZ-III (i) of the CRZ Notification 1991, facilities those directly related water front or directly needing foreshore facilities can be allowed in CRZ-I(ii) areas and facilities essential for such activities can be allowed in CRZ-III respectively.
10.	The details of recommendations of DCZMA	The DCZMA , Cuddalore has recommended the project in their meeting held on 29.12.2009.
11.	Any other details	The project involves a construction of thermal power plant of 3600 MW capacity (2 x 600 sub critical tech and 3 x 800 MW Super critical tech) a captive port to import 15 MTPA coal , a desalination plant of 30 MLD capacity to meet the fresh water requirement. The location of Power Plant is falling outside CRZ.

		<p><u>However, the Pichavaram mangroves are located about 9.5 kms to the south of the proposed stack.</u> The site is also falling around 20 kms from the Cuddalore old town and around 10 kms from the Cuddalore SIPCOT Industrial Estate, which is declared as Critically Polluted area by the Ministry of Environment and Forests, GoI.</p>
12.	Whether issue of clearance is with in the scope of SCZMA or NCZMA? Specify relevant rules	<p>National Coastal Zone Management Authority.</p> <p>As per para 3 (2) (ii) of the CRZ Notification 1991, the above activity requires clearance from the Ministry of Environment and Forests, Government of India.</p>

The Authority may consider.

.10.

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 conveyer and access to the jetty proposed by M/s. NSL Nagapattinam Power & Infratech Private Limited., Hyderabad

1.	Name of the Project	Setting up of trestle mounted open sea jetty 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
2.	Name of the Applicant	M/s. NSL Nagapattinam Power & Infratech Private Limited., NSL ICON, 4 th floor, Road No.12, Banjara Hills, Hyderabad 500 034.
3.	Location of the Project Village/Town, Taluk, Dt.	Thalayudayavarkovil pattu, Melapaerumpallam, Keelaperumpallam villages of Tharangambadi taluk and Vanagiri village of Sirkali taluk in Nagapattinam district.
4.	R.S. No.s	Enclosed in Schedule - I
5.	Extent of land	Total area of the project is 1373.49 acres as follows: 1. Thalayudayavarkovil pattu - 128.5 acres 2. Melapaerumpallam - 515.41 acres 3. Keelaperumpallam - 435.32 acres 4. Vanagiri - 215.78 acres for facilities to power plant and 78.48 acres for captive port. The area for the proposed construction of captive port is falling in CRZ.
6.	CRZ Classification	CRZ-I(ii) and CRZ-III.
7.	Project cost	Total project cost in CRZ is 7,070 crores

8.	Activities proposed	<p>The following activities are falling in CRZ:</p> <p>a) Setting up of trestle mounted open sea jetty for captive cargo handling of 7.5 million tones per annum.</p> <p>b) 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,</p> <p>c) Construction of closed coal conveyer for coal transport</p> <p>d) Construction of access road to the jetty</p>
9.	Whether permitted activity as per CRZ Notification? If yes, specify the relevant rules	<p>As per Para 6 (2) CRZ-I and para 6 (2) CRZ-III (i) of the CRZ Notification 1991, facilities those directly related water front or directly needing foreshore facilities can be allowed in CRZ-I(ii) areas and facilities essential for such activities can be allowed in CRZ-III respectively.</p>
10.	The details of recommendations of DCZMA	<p>The DCZMA , Nagapattinam has recommended the project in their meeting held on 10.02.2010.</p>
11.	Any other details	<p>The project involves a construction of Coal based thermal power plant of 1320 MW capacity (2 x 660), a captive port to import 15 MTPA coal , a desalination plant to meet the fresh water requirement. The location of Power Plant is falling outside CRZ.</p> <p><u>As per the survey conducted by the IRS., Anna University, the project site is starting about 1 km from the Cauvery River South Embankment and all the project area, including Power Plant, is falling within 5kms from the River Cauvery.</u></p>

		<p>The following remarks have been offered to the DCZMA by various departments:</p> <p>a) The Port Officer, Nagapattinam has asked for the change of dumping area of dredged materials and the applicant has indicated that they proposed to go for deep sea disposal after conducting dredge spoil disposal study.</p> <p>b) The District Forest Officer has informed that the rare variety of olive red turtle is spotted during December to March at the site for the proposed captive port area. The DFO has informed that 342 eggs were noticed and allowed to catch by the Forest Department and hence construction of boat jetty and conveyor belt will affect the movement of olive red turtles and hence DFO refused to give NOC.</p> <p>c) <u>The AD., Fisheries has objected the project due to the following factors:</u></p> <p>(i) the construction of approach trestle about 1300mts from the coast into the sea and the construction of a platform about 540mts at the end of the trestle will affect the lively hood of fishermen of about 10,000 members in and around villages of Chandrapadi, Chinnagudi, Chinnurpettai, Poompuhar, Vellakovil and Kuttiandiur.</p> <p>(ii) As the proposed jetty has the width of 2kms, the fishermen have to travel a long distance to reach their destination and hence the fuel consumption for their boat may increase. Further the movement of boat to the jetty may also affect fishing net.</p>
--	--	--

		<p>(iii) The hot water discharged from the power plant may affect the aquaculture</p> <p>(iv) M/s. PEL Power Ltd., has already proposed to construct a Minor Port adjacent to the proposed captive port, the unit may import coal through the said Minor Port to be developed by M/s. PEL Power Ltd.,</p>
12.	Whether issue of clearance is with in the scope of SCZMA or NCZMA? Specify relevant rules	<p>National Coastal Zone Management Authority.</p> <p>As per para 3 (2) (ii) of the CRZ Notification 1991, the above activity requires clearance from the Ministry of Environment and Forests, Government of India. Further as per para 3 (2) (v) of CRZ Notification 1991, the above activity requires clearance from the Ministry of Environment and Forests, GoI as the project cost is more than five crores.</p>

The Authority may consider.

AGENDA ITEM NO.05

Installation of an additional Horton 5000 M³ 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

1.	Name of the Project	Installation of an additional Horton 5000 M ³ Sphere to store Vinyl Chloride Monomer.
2.	Name of the Applicant	M/s. D.C.W.Ltd., Sahupuram, Thoothukkudi district
3.	Location of the Project Village/Town, Taluk, Dt.	Tuticorin Port Trust area, Mullakadu village, Thoothukkudi Taluk, Thoothukkudi district
4.	R.S. No.s	S.No.394
5.	Extent of land	7.0 acres (Proposed area - 2.13 acres, Existing area - 4.87 acres)
6.	CRZ Classification	CRZ-II
7.	Project cost	Rs.25.00 crores
8.	Activities proposed	Installation of one Horton 5000 M ³ Sphere to store Vinyl Chloride Monomer in addition to the existing one Horton Sphere and Ten Horizontal Storage Vessels (Bullets) and connect the proposed Horton Sphere to the existing pipeline. Fire water storage tank of 3000 m ³ , Motor Control room, Fire water pump house, 3 truck loading platforms are the additional attachments proposed to construct along with the proposed construction of Horton Sphere of 5000 m ³ capacity.

9.	Whether permitted activity as per CRZ Notification? If yes, specify the relevant rules	As per Para 2(ii) of CRZ Notification 1991, manufacture or handling or storage or disposal of hazardous substances in the Port areas is permissible activity.
10.	The details of recommendations of DCZMA	The DCZMA , Thoothukkudi has recommended the project in their 46 th meeting held on 30.12.2009.
11.	Any other details	M/s. DCW Limited, Bombay has a PVC manufacturing unit at Sahupuram near Tuticorin. VCM is used as a feed stock for the said unit. The VCM for the unit is unloaded from ships in Tuticorin Port and is stored in VCM storage sphere and bullets in the Port area. From these storage installations VCM is loaded in road trucks and transported to the plant.
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 above activity requires clearance from the Ministry of Environment and Forests, Government of India.

The Authority may consider.

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.

1.	Name of the Project	Construction of crude oil pipeline between Karaikkal Port Private Limited and existing Chidambaranar Oil Jetty (COJ), Nagore, Nagapattinam district
2.	Name of the Applicant	M/s.Chennai Petroleum Corporation Limited, Cauvery Basin Refinery, Panangudi, Nagore 611 002
3.	Location of the Project Village/Town, Taluk, Dt.	Nagore, Nagapattinam district.
4.	R.S. No.s	Nil - Latitude 10 49' 25" N (Land fall point) Longitude 79 51' 07"E (Land fall point)
5.	Extent of land	Total length of pipeline is 850 mts.
6.	CRZ Classification	CRZ-I(ii)
7.	Project cost	Total project cost in CRZ is 6.70 crores
8.	Activities proposed	Laying of 20" crude oil pipeline between Karaikkal Port Private Limited and existing Chidambaranar Oil Jetty (COJ), Nagore, Nagapattinam district. The total length of the pipeline is 850 mts. The size and grade of the pipe is 20"OD x 0.438 WT, API 5L-X46. The applicant has informed that Right of Way for the pipeline has been obtained from the PWD.
9.	Whether permitted activity as per CRZ Notification? If yes, specify the relevant rules	As per Para 6 (2) CRZ-I of the CRZ Notification 1991, facilities those directly related water front or directly needing foreshore facilities can be allowed in CRZ-I(ii) areas.
10.	The details of recommendations of DCZMA	The DCZMA , Nagapattinam has recommended the project in their meeting held on 24.12.2009.

11.	Any other details	<p>The proposed pipeline would cross Vettar river by HDD technique (Horizontal Directional Drilling (HDD) before the hook up. The crossing length is expected to be of about 680 mts. HDD crossing has been considered at the depth of 15 mts below, Lowest Bed Level of the river. The HDD installation shall be carried out in three stages. In the first stage a pilot hole shall be drilled below the river bed. In the second stage the pilot hole shall be enlarged to the desired size. In the 3rd stage the pre-fabricated pipe string shall be pulled down the enlarged hole.</p>
12.	Whether issue of clearance is with in the scope of SCZMA or NCZMA? Specify relevant rules	<p>National Coastal Zone Management Authority.</p> <p>As per para 3 (2) (ii) of the CRZ Notification 1991, the above activity requires clearance from the Ministry of Environment and Forests, Government of India. Further as per para 3 (2) (v) of CRZ Notification 1991, the above activity requires clearance from the Ministry of Environment and Forests, GoI as the project cost is more than five crores.</p>

The Authority may consider.

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 proposal for the Construction of Sewage treatment plants at Nagore and Nagapattinam together with out fall pipelines proposed by the Nagapattinam Municipality, Nagapattinam has been placed in the 56TH meeting of the Tamil Nadu State Coastal Zone Management Authority held on 29.01.2010 and the Authority has resolved as follows:

"Regarding the Construction of Sewage treatment plants at Nagore and Nagapattinam together with outfall pipelines, the Authority is of the opinion that the treated water should not be let out into the rivers and the Authority recommended to re-utilize the treated water for gardening, cultivation etc., Hence the Authority resolved to request the applicant to revise the proposals accordingly and re-submit the proposals.

The discharge of water , if any, proposed to disposed into the rivers, then the details such as quantity of discharge of water, its quality, the impacts on the river due to the discharge etc., with detailed study reports and baseline data should be provided. Detailed EIA studies based on the hydraulics of the river and the details of river flow and contents, quality, species present therein, etc., with adequate base line data should be provided."

2) The project involves the construction of following facilities.

Construction of STP one each at Nagore and Nagapattinam, Sewer system to a length of about 1200 mts, Pumping station, Pumping main of size 600mm dia D1 Pipes for 300 mts, Elevated pipe carrying bridge, Outfall pipe line from STP @ Nagai of size 500mm dia RCC Pipes for 370 mts, Out fall pie line from STP @ Nagore of size 400 mm dia and RCC Pipes for 300 mts. Total project cost is Rs.48.95 crores and the project area is falling in CRZ-I(ii) , CRZ - II and C RZ III areas.

.19.

- 3) The TWAD Board, Urban Division, Thanjavur in letter dated 26.03.2010 has informed that they have proposed to supply the treated water from 2.96 MLD capacity Nagoore STP to M/s. CPCL, Narimanam. Further they have also proposed to discharge 6.97 MLD treated water from Nagapattinam STP into river Devanathi out of the expected quantity of 7.87 MLD and the balance quantity of 0.9 MLD will be re-utilized for gardening. A study report based on the river hydraulics, furnished by the TWAD board is enclosed.
- 4) As per para 3 (2) (ii) of the CRZ Notification 1991, the above activity requires clearance from the Ministry of Environment and Forests, Government of India. Further as per para 3 (2) (v) of CRZ Notification 1991, the above activity also requires clearance from the Ministry of Environment and Forests, GoI as the project cost is more than five crores.

The Authority may consider.

AGENDA ITEM NO:08 : ANY OTHER ISSUES WITH THE PERMISSION OF CHAIR.

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

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

**MINUTES OF THE 58th 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 57th meeting of the Tamil Nadu State Coastal Zone Management Authority held on 24.02.2010

The minutes of the 57th 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 57th 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 57th 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 Silambimangalam 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.

.2.

- 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

.3.

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 M³ 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 M³ Sphere to store Vinyl Chloride Monomer to Ministry of Environment and Forests, Government of India subject to the following specific conditions:

.4.

- 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:

.5.

- 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

EXTRACT OF THE MINUTES OF THE 58th MEETING OF THE TAMIL NADU STATE COASTAL ZONE MANAGEMENT AUTHORITY HELD ON 13.04.2010

AGENDA ITEM NO.03 **Setting up of 3600 MW coal based Thermal Power Plant, Captive Port and Desalination Plant at Kottatai, Ariyagoshti, Villiyannalur and Silambimangalam 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.
- 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.

/Forwarded by order/

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, E&F Dept., Chennai - 9

/True copy/

For Director of Environment

**EXTRACT OF THE MINUTES OF THE 58th MEETING OF THE TAMIL NADU
STATE COASTAL ZONE MANAGEMENT AUTHORITY HELD ON 13.04.2010**

AGENDA ITEM NO.05 **Installation of an additional Horton 5000 M³ 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 M³ Sphere to store Vinyl Chloride Monomer to Ministry of Environment and Forests, Government of India subject to the following specific conditions:

- 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.

/Forwarded by order/

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, E&F Dept., Chennai - 9

/True copy/

For Director of Environment

**EXTRACT OF THE MINUTES OF THE 58th MEETING OF THE TAMIL NADU
STATE COASTAL ZONE MANAGEMENT AUTHORITY HELD ON 13.04.2010**

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.

/Forwarded by order/

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, E&F Dept., Chennai - 9

/True copy/

For Director of Environment

EXTRACT OF THE MINUTES OF THE 58th MEETING OF THE TAMIL NADU STATE COASTAL ZONE MANAGEMENT AUTHORITY HELD ON 13.04.2010

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:

- 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.

/Forwarded by order/

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, E&F Dept., Chennai - 9

/True copy/

For Director of Environment

