

AGENDA NOTES

62nd MEETING

TAMIL NADU STATE COASTAL ZONE MANAGEMENT AUTHORITY

Date: 30.12.2010

Time: 11.00 A.M.

Venue: PWD Conference Hall

**5th Floor, Secretariat,
Chennai - 600 009**

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**AGENDA NOTES FOR THE 62nd MEETING OF
THE TAMIL NADU STATE COASTAL ZONE MANAGEMENT
AUTHORITY**

Date & Time:

30.12.2010 - 11.00 A.M.

**Venue: PWD Conference Hall
5th Floor, Secretariat,
Chennai - 9**

**AGENDA ITEM NO.01: Confirmation of the minutes of the 61st meeting of
the Tamil Nadu State Coastal Zone Management
Authority held on 01.11.2010**

The 61st meeting of the Tamil Nadu State Coastal Zone Management Authority was held on 01.11.2010 and the minutes were communicated in letter no.P1/1578/2005 dated 15.11.2010 of Director of Environment. It may be confirmed.

**MINUTES OF THE 61st MEETING OF THE TAMIL NADU STATE COASTAL
ZONE MANAGEMENT AUTHORITY HELD ON 01.11.2010**

AGENDA ITEM NO.1 **Confirmation of the Minutes of the 60th meeting of the Tamil Nadu State Coastal Zone Management Authority held on 01.11.2010.**

The minutes of the 60th meeting of the Tamil Nadu State Coastal Zone Management Authority held on 31.08.2010 communicated in Letter No.P1/1578/2005 dated 06.09.2010 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 60th 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 60th meeting of the Tamil Nadu State Coastal Zone Management authority held on 31.08.2010.

AGENDA ITEM NO:03 **Conversion of temporary load out jetty into permanent boat landing facility located at Chithirapettai village, Cuddalore District proposed by M/s. Chemplast Sanmar Limited, SIPCOT, Cuddalore.**

The unit had earlier constructed a temporary load out jetty near the land fall point mainly for transporting men and materials during the construction of MTF including island jetty, which is to be removed as per the original proposal. Further the unit is to use the Cuddalore Port for embarking and disembarking of men and material for regular MTF operation.

The Authority has noted that the facilities proposed is intended directly to support the PVC manufacturing plant near Cuddalore at Chithirapettai in the SIPCOT Industrial Estate, Phase II complex.

Since the Ministry of Environment and Forests, GoI has declared the SIPCOT, Cuddalore industrial area as Critically Polluted Area with high CEPI score, the Authority has resolved to get the opinion of the Ministry of Environment and Forests, GoI about the permissibility of the proposed constructions and hence the Authority resolved to defer the decision.

AGENDA ITEM NO: 04 **Construction of marine facilities for the drawal of seawater from the existing cooling water in-take system and discharge the excess return water through the existing outfall for marine at Pillaiperumanallur, Tharangampadi taluk, Nagapattinam district proposed by M/s. PPN Power Generating Company Private Limited, Chennai**

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

- a) A long term agreement shall be entered with leading environmental agencies such as NIOT or IOM Anna University or CAS Marine Biology, Annamalai University to assess and monitor the impacts on marine environment, to carry out research on minimizing the damages, to formulate and implement conservation programme.
- b) The unit shall adopt at least one among the endangered species in the Marine environment and to implement species recovery programme.
- c) The unit shall create continuous online monitoring system in consultation with the Tamil Nadu Pollution Control Board. Facility for Online monitoring of Environmental Parameters shall be created in such a way that Tamil Nadu Pollution Control Board shall have access to the data.
- d) It shall be ensured that the temperature of seawater at outfall shall not exceed the permissible level, due to the discharge of warm water.
- e) Fish culture in the vicinity should not be affected.
- f) Necessary consent from TNPCB shall be obtained.

.4.

AGENDA ITEM NO: 05 **Mining of naturally deposited rare mineral at Vanagiri Village, Sirkali Taluk, Nagapattinam district proposed by M/s. Yes Yes Minerals, Poolambadi, Perumbalur Dist.**

a) The Authority has felt that the maximum sand mining at the project site may be considered upto the depth of 30 cms only. To take decision on this proposal, the Authority has resolved to request the applicant to furnish a detailed Environment Impact Assessment study. The Study shall cover the aspects of erosion, loss of habitat due to the proposed mining activity, monitoring of SPM level during mining, transportation, refilling the mining area etc.,

b) The Authority has pointed out that construction of a road in the project site is prohibited activity. Hence the Authority has resolved to request the applicant to furnish the modalities to be followed in transportation of mining sand and for refilling the mining area.

AGENDA ITEM NO.06 **Construction of a Boat Jetty in sea at South Beach Road, near Roche Park of North of Korampallam village, Thoothukkudi Town, Thoothukkudi district proposed by the District Collector, Thoothukkudi**

The Authority resolved to defer the decision as the proponent has not turned up for the discussion.

AGENDA ITEM NO.07 **Formation of Cement concrete road from Dravidar hotel to beach of ariyanattu street main road proposed by Vellankanni Town Panchayat, Nagapattinam district**

The Authority resolved to clear the proposal with the condition to carry out the activities with out violating the provisions of CRZ Notification 1991.

AGENDA ITEM NO.08 **Formation of WBM and premix carpet with seal coat to uthiriyamatha koil street and pookara street at Velankanni, Nagapattinam district proposed by Vellankanni Town Panchayat, Nagapattinam district**

The Authority resolved to clear the proposal with the condition to carry out the activities with out violating the provisions of CRZ Notification 1991.

AGENDA ITEM NO:09 **Landscaping and Beautification of Kanniyakumari existing beach along with way side amenities at Kanyakumari village, Agastheeswaram taluk, Kanyakumari district proposed by Kanyakumari Special Grade Town Panchayat.**

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

- a) The unit shall use Environmental friendly materials for the beautification of the Park.
- b) The unit shall carry out the activities with out violating the provisions of CRZ Notification 1991.

AGENDA ITEM NO.10 **Re-construction and Modernization of existing M.A. Chidambaram Stadium proposed by M/s. The Tamil Nadu Cricket Association, Chennai**

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

- a) The unit shall create continuous monitoring system in consultation with the Tamil Nadu Pollution Control Board. Facility for Online monitoring of Environmental Parameters shall be created in such a way that the Tamil Nadu Pollution Control Board shall have access to the data.
- b) Air quality monitoring stations should be erected for continuous monitoring till the completion of project construction. The unit shall provide proper sanitary and other aesthetic facilities as proposed.

.6.

- c) The unit shall provide adequate escape routes and safety arrangements as proposed.
- d) Adequate arrangements shall be made from CMWSSB for the supply of water during the events as proposed.
- e) Solid waste management shall be implemented with proper source segregation and disposal.
- f) Proper parking facilities shall be provided.
- g) Planning Permission shall be obtained from the Chennai Metropolitan Development Authority.
- h) Clearance from the State Level Environment Impact Assessment Authority shall be obtained
- i) Necessary consent from TNPCB shall be obtained.
- j) The unit shall carry out the activities with out violating the provisions of CRZ Notification 1991.

Sd/-xxxxx

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

Sd/-xxxxxx

Dr. V. Irai Anbu., I.A.S.,
Chairman, TNSCZMA and
Principal Secretary to Government,
Environment & Forests Department
Chennai - 9

AGENDA ITEM NO.02: The action taken on the decisions of 61st meeting of the authority held on 01.11.2010 are given below:

SI. No	Description of proposals	Action taken
01	Conversion of temporary load out jetty into permanent boat landing facility located at Chithirapettai village, Cuddalore District proposed by M/s. Chemplast Sanmar Limited, SIPCOT, Cuddalore	As resolved, MoEF., GoI has been requested to send the clarification on the permissibility of the proposed constructions, by M/s. Chemplast Sanmar Ltd., at Cuddalore, in Ir. No. P1/2225/2010 dated 19.11.2010
02	Construction of marine facilities for the drawal of seawater and discharge the excess return water at Pillaiperumallur, Tharangamnad Tk, Nagapattinam dt. proposed by PPN Power Generating Company Private Ltd, Chennai	As resolved, the proposal has been sent to Environment and Forests Department, GoTN., in letter No. 2282/2010/P1 dated 15.11.2010 so as to recommend the same to MoEF., GoI.
03	Mining of naturally deposited rare mineral at Vanagiri Village, Sirkali Taluk, Nagapattinam district proposed by M/s. Yes Yes Minerals, Poolambadi, Perumbalur Dist.	As resolved, the proponent has been requested to furnish additional details in letter No. 1999/2008/P1 dated 15.11.2010.
04.	Formation of Cement concrete road from Dravidar hotel to beach of ariyanattu street main road proposed by Vellankanni Town Panchayat, Nagapattinam district	As resolved, Clearance has been issued for the formation of cement road in Proceedings No. P1/1817/2010 dated 15.11.2010.
05	Formation of WBM and premix carpet with seal coat to uthiriyamatha koil street and pookara street at Velankanni, Nagapattinam district proposed by Vellankanni Town Panchayat, Nagapattinam district	As resolved, Clearance has been issued for the Formation of WBM and premix carpet with seal coat in proceedings No. P1/1818/2010 dated 15.11.2010.
06	Landscaping and Beautification of Kanniyakumari existing beach along with way side amenities at Kanyakumari village, Agastheeswaram taluk, Kanyakumari dt. proposed by Kanyakumari Spl. Grade Town Panchayat	As resolved, the proposal has been sent to Environment and Forests Department, GoTN., in letter No. 592/2010/P1 dated 15.11.2010 so as to recommend the same to MoEF., GoI.
07	Re-construction and Modernization of existing M.A. Chidambaram Stadium proposed by M/s. The Tamil Nadu Cricket Association, Chennai.	As resolved, the proposal has been sent to Environment and Forests Department, GoTN., in letter No. 1229/2010/P1 dated 15.11.2010 so as to recommend the same to MoEF., GoI.

AGENDA ITEM NO.03 **Construction of a Bridge at km 0/4 of Seruthur to Velankanni Road across River Vellaiyar including improvements to approaches in Km 0/0 to 0/8 in Nagapattinam district proposed by Highways Department.**

The Assistant Environmental Engineer, Tamil Nadu Pollution Control Board, Nagapattinam district has forwarded a project proposal for the Construction of a Bridge at km 0/4 of Seruthur to Velankanni Road across River Vellaiyar including improvements to approaches in Km 0/0 to 0/8 in Nagapattinam district proposed by Highways Department, for clearance under CRZ Notification 1991.

2) The construction site of the proposed Bridge is falling in R.S.No.1B of Seruthur village and in R.S.No.99 of Velankanni village, Keevalur taluk of Nagapattinam district. The proposed site is falling in CRZ - I(ii) inter tidal zone and CRZ-III and the cost for the project is Rs.5.00 crores. The total project area is 6300 Sq.mts and the built up area would be 2409.71 Sq.mts. The project proposal also involves construction of approach roads at both ends of the proposed bridge. The general features of the proposal are detailed below:

- i) Type of bridge - High level skew bridge in skew alignment
- ii) Length of bridge - 190 mts.
- iii) Overall width - 12 mts., including footpath.
- iv) No. of Spans - 10 (4 spans in trestle portion towards Seruthur, 3 Navigation spans and 3 spans on trestle portion towards Valankanni side)
- v) Depth of Super
 structure - 1.866 mts at centre and 1.730 mts at ends.

3) The Government in GO. Ms. No.401 Revenue (NC III(2) Department dated 25.07.2007 has issued administrative sanction under ETRP. The Highways Department has informed that by constructing the Bridge the people and fishermen of Serudhur village can reach the nearest Marketing Centre at Velankanni with in 500 mts and the proposed bridge will reduce the distance from Seruthur village about 4 Kms to reach the Hospitals and educational institutions. Further the proposed bridge may serve as an escape route for the people living in Serudhur village during cyclones and also it will useful for reducing the traffic density in Velankanni town during festival seasons. The District Coastal Zone Management Committee in their meeting held on 22.10.2009, resolved to recommend the project.

4) As per CRZ Notification under Para 2 (viii), Land reclamation, bunding or disturbing the natural course of sea water **those required for construction** or modernisation or expansion of ports, harbours, jetties, wharves, quays, slipways, **bridges** and sea-links and for other facilities that are essential for activities are permissible under the notification. Further, as per para 6(2) CRZ-III (ia) of CRZ Notification 1991, construction of bridges and roads is permissible activity and as per para 3(2) (v) of the said notification, 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.04

Construction of a Boat Jetty in sea at South Beach Road, near Roche Park of North of Korampallam village, Thoothukkudi Town, Thoothukkudi district proposed by the District Collector, Thoothukkudi

The proposal was placed in the last meeting held on 01.11.2010 for consideration and the Authority resolved to defer the decision as the proponent has not turned up for the discussion.

1.	Name of the Project	Construction of a Boat Jetty
2.	Name of the Applicant	District Collector, Thoothukkudi
3.	Location of the Project Village/Town, Taluk, Dt.	South Beach Road, near Roche Park of North of Korampallam village, Thoothukkudi Town, Thoothukkudi district
4.	R.S. No.s	Latitude 8 ⁰ 45' & Longitude 78 ⁰ 13'
5.	Extent of land	1282 M ²
6.	CRZ Classification	CRZ- I(ii)
7.	Project cost	Rs. 36.50 lakhs
8.	Activities proposed	Construction of a Boat Jetty in sea. The construction involves filling and set up of a pavement and also construction of boat house. The project is a minor scale one time construction. The walking pavement along with the boat house extends 275 mts into a tide-flushed area to a depth of 3-5 ft. The breadth of the proposed construction is 4.5 mts. The allied facilities such as weighing shed, waiting shed etc., will be provided.

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, activities those 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, Thoothukkudi district in the meeting held on 30.12.2009 has resolved to recommend the proposal to State Coastal Zone Management Authority.
11.	Any other details	The construction site is falling in Gulf of Mannar Bio-sphere.
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) of the CRZ Notification 1991, the above activity requires clearance from the Ministry of Environment and Forests, GoI.

The Authority may consider

AGENDA ITEM NO.05 Reconstruction of 315 Vulnerable houses under ETRP in CRZ-III areas between 200mts and 500 mts from the HTL of Sea at 20 habitations in Tirunelveli district

The District Collector, Tirunelveli has proposed for reconstruction of 315 houses under Emergency Tsunami Reconstruction Project at 20 villages in Tirunelveli District. The details of the project are as follows:

2) Sites situated in 200mts - 500mts from HTL in CRZ III

Sl. No	Location of the Project	Survey Nos.	No. of Houses	Extent (Hec)	Cost of the Project (In lakhs)
1	Georgia Nagar	378/3, 378/3A, 565/1, 564/1A3A, 564/1A3/ 564/1A1B	22	0.31.20	72.60
2.	Thoppuvilai	378/3, 679, 679/2C, 671, 678/1A2, 570/29, 570/6, 569/1A1A, 569/1A1, 570/5, 570/7, 570/1C, 570/35, 670/3C, 564/1A1A, 564/1A1B	20	2.01.94	66.00
3.	Ambal Nagar	658/2A, 658/2B, 744/23, 744/17, 744/7, 744/38, 744/6, 744/14, 744/27, 744/23	09	0.53.66	29.70
4.	Keela Uvari / Mela Uvari (Karaichuthu Uvari)	391/1	03	0.06.18	9.90
5.	Keela Uvari / Mela Uvari (Kuttam Panchayat)	645/4,7,8, 370/2B2, 504/16, 14/5, 15/2A6, 34/3, 15/2B4, 692/25, 14/15, 692/32, 37/1, 11/1A1, 15/2A5, 16/5B, 35/2A3, 14/5A3, 12/3B, 14/1, 683/9, 16/5, 34/6, 16/5A1A, 17/1C, 37/4B, 20/7B, 11/5B, 32/2B, 16/5B1A, 16/5A, 14/4A2, 14/5A, 32/2B, 33, 692/24, 692/9, 12/3B, 31/1, 15/2B, 37/2A, 16/5A1A, 33/7	63	0.95.97	207.90
6.	Uvari	343/2C, 348/3E2, 343/1B, 344/2A2, 346/2A, 346/2B1A1B, 342/1B1B, 343/1A2	19	4.91.37	62.70

7.	Kundal	470/38, 2, 28/17 & 28/17B	2	0.05.35	6.60
8.	Kalikumara puram	259/1B2C3C2, 260/5, 255/1A, 707/6, 707/6, 710/4, 257/5A2B, 254/3A2, 707/2, 255/4, 705/3, 709/1, 257/3A, 260/5, 715/6	2	0.34.75	6.60
9.	Marakkattu vilai	710/4, 254/3A2, 259/1B2C3C2, 707/6, 707/2, 707/7, 255/4, 255/1A, 705/3, 709/1, 257/3A, 260/5, 757/5A2A	1	0.16.06	3.30
10.	Semponvilai	695/8, 694/10, 204/17, 203/1A3A, 211/1A1B, 697/2, 694/13, 171/32F, 171/27B, 171/38A, 702/3, 696/5, 201/1F2, 695/4, 699/7, 204/2B4, 694/3, 171/39, 700/1, 696/2, 699/2, 696/1, 171/37B, 171/37A, 695/7, 203/1A1C, 205/6, 700/1, 206/16, 206/12	3	0.25.19	9.90
11	Koothankuzhi	505/1, 504/4, 522, 506/1A2, 505/3A1A, 505/58, 504/ 4A1A, 520/1, 505/19, 504/4A1, 505/1A4, 506/1A2, 505/88, 535, 496, 505/84B, 506/1A2A, 503/3C, 526/4D, 497/1A, 526/5A, 536/5B, 503/6A, 526/4A, 505/3! A1A, 503/6A, 503/1, 505/49, 503/3C2, 504/4A1C, 505/32, 504/4, 505/3A1, 505/3A, 504/4F,	52	1.04.44	171.60
12	Idinthakarai	486/1K, 486/1F, 486/25, 505/2, 505/3, 487/15, 486/30, 486/28, 485/1, 478/1A, 477, 498/8, 514/2A, 514/1, 514/2	09	0.69.62	29.70
13	Perumanal	602/2, 602/A2, 603, 597/2, 601/1A9	01	0.17.69	3.30
14	Kootapuli	1386/3, 434/44, 434/12, 434/11, 434/24, 434/17, 434/51, 434/58, 434/56, 434/57, 1386/12, 1386/10, 1386/15, 417/1A28, 1386/7, 1386/5, 1386/11, 434/1, 434/52, 432, 434/48, 430/1B1, 1385/22, 1385/17, 434/30, 434/17, 434/21, 430/1B1, 1386/16, 433/1, 434/20, 387/26, 1383/2, 434/55, 1382/22, 1382/6, 1385/18, 1384/13, 427/3, 417/1A41, 417/1A39, 1387/15 (435), 1387/24 (435), 435/11, 1383/9, 416/1A43, 417/1A38, 1383/8, 1382/15 (435), 435/9, 433/5	17	0.95.71	56.10

15	Ethankadu	456/2, 445/4B, 445/21, 445/7, 445/38, 445/22, 445/22/6, 445/22/33, 445/24, 445/22/6, 445/22/33, 445/26, 445/22/7, 445/22/41, 445/22/37, 445/22/65, 445/22/25, 445/38/9, 445/22/34, 445/38/11, 445/22/49, 445/27	28	0.50.85	92.40
16	Kannankulam	513/11, 1401/37, 513, 1401/9, 623/5D, 430/2A, 1396/1, 454/3A, 1406/1, 453/1A, 454/2B, 1406/11, 575/8C, 465/1A	1	1.38.87	3.30
17	Avudaiyal puram	1776/5, 169/1C3C, 176/1A, 176/93, 1776/4A, 176/8, 176/3B2, 169/1C3K, 176/4B, 185, 167/2, 177/1B2C, 177/3A1E, 167/2, 174/2, 169/3J32, 176/1A1, 176/64, 169/3J, 176/1A6, 177/1C3, 176/4C3, 625/21, 176/1A4, 169/3J, 176/45, 176/91, 177/3A6F, 177/3B2, 177/3A6E, 169/3J13, 177/15, 177/3B, 177/3A6.	46	1.82.41	151.80
18	Vijayapati Keelur and Melur	646/16	1	0.01.82	3.30
19	Kuttapanai	659/1A1C, 658/1B2	2	0.32.10	6.60
20	Kooduthalai	565/1, 564/1A3A, 564/1A3, 564/1A1B	14	0.29.15	46.20
	TOTAL		315		

3) As per Para 6 - CRZ-III (iii) of the CRZ Notification 1991, in CRZ-III areas, within 200m- 500m from HTL, the following aspects have to be examined.

- that the constructions within the ambit of traditional rights and customary uses
- that the overall height of the buildings shall not exceed 9 mts., and not to be more than 2 floors.
- that the total number of dwelling units shall not be more than twice the number of existing units..

4) The District Committee has given certificates that their proposed constructions are in conformity with the aspects (a), (b) and (c) together with the following details.

- total area of the site in each application excluding fenced and walled areas i.e., the area available for the customary and traditional use of local inhabitants
- total existing built up area of the site in each application.
- total built up area including the proposed constructions

- iv. the built up area including the built up area proposed should be less than 1/3 of total area of the site available in 200-500mts from HTL for the customary and traditional rights (excluding fenced and walled areas) enjoyed by the local inhabitants .

5) From the information furnished in para 4 above, it is seen that all the applications satisfy the condition that the built up area proposed is less than 1/3 of total area of the site available in 200-500mts from HTL for the customary and traditional rights (excluding fenced and walled areas) enjoyed by the inhabitants and other conditions required as per Para 6(2)CRZ III (iii) of CRZ Notification 1991.

6) The proposals of the District Collector, Tirunelveli has been considered in the District Coastal Zone Management Authority of Tirunelveli District in the meeting held on 15.11.2010 and the proposals has been recommended for the consideration of the SCZMA.

7) 6) As per Para 6 - CRZ-III (iii) of the CRZ Notification 1991, in CRZ-III areas, within 200m- 500m from HTL, the above reconstructions are permissible activity.

8) Earlier similar proposals have been cleared by the SCZMA subject to the following 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.
- i) Proper arrangements should be made for the proper disposal of solid wastes generated in the project areas.

The Authority may consider.

**AGENDA ITEM NO:06 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/-xxx

Thiru V. Irai Anbu., IAS.,
Chairman, TNSCZMA and
Secretary to Government,
Environment & Forests Dept.,
Chennai - 9

ADDITIONAL AGENDA NOTES

62nd MEETING

TAMIL NADU STATE COASTAL ZONE MANAGEMENT AUTHORITY

Date: 30.12.2010

Time: 11.00 A.M.

Venue: PWD Conference Hall

**5th Floor, Secretariat,
Chennai - 600 009**

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01	Expansion of Nuclear Power Plant units 3 to 6 of capacity 4x1000 MW at Koodankulam, Radhapuram Taluk, Tirunelveli district proposed by M/s. Koodankulam Nuclear Power Project (KKNPP).	01
02	Mining of naturally deposited rare mineral at Vanagiri Village, Sirkali Taluk, Nagapattinam district proposed by M/s. Yes Yes Minerals, Poolambadi, Perumbalur Dist.	03

ADDL. AGENDA ITEM NO:01 **Expansion of Nuclear Power Plant units 3 to 6 of capacity 4x1000 MW at Koodankulam, Radhapuram Taluk, Tirunelveli district proposed by M/s. Koodankulam Nuclear Power Project (KKNPP).**

The District Environmental Engineer, Tamil Nadu Pollution Board, Tirunelveli has forwarded a proposal for the expansion of Nuclear Power Plant units 3 to 6 of capacity 4x1000 MW at Koodankulam, Radhapuram Taluk, Tirunelveli district proposed by M/s. Koodankulam Nuclear Power Project (KKNPP) for Clearance under CRZ Notification 1991.

2) The details of the project are as follows:

a) M/s. Koodankulam Nuclear Power Project (KKNPP) is constructing Nuclear Power Plant at Koodankulam and the construction of existing units No.1 and 2 are under advanced stage. The KKNPP has now proposed for the expansion of Nuclear Power Plant as units 3 to 6 of capacity 4x1000 MW for which Ministry of Environment and Forests, GoI has already issued Environmental Clearance under EIA Notification 2006 in F.No. J-14011/1/2007-IA-II(T) dated 23rd September 2008 and 31st December 2009 subject to the condition that the unit shall obtain necessary prior clearance under the provisions of CRZ Notification 1991. The Survey numbers of the proposed project in 226.123 hectares, in CRZ, is enclosed in the annexure and the project site is falling in CRZ-I (ii) inter tidal zone and in CRZ-III. Total project cost is 15000 crores.

b) The pressurized Nuclear Power Plant at KKNPP 3 to 6 consists of four Primary Coolant System (PCS) loops transferring the energy from the reactor to the Steam Generator (SG). Each loop of PCS consists of a Reactor Coolant Pump (RCP) and a SG, independently connected to the Reactor. The Fuel Assemblies (FA) is arranged in a lattice in the Reactor. The In/Out movements of the Control / Protection Absorber Rods (CPS-AR) control the nuclear fission energy in the Reactor. The forced circulation of Primary Coolant by RCP transfers the Heat Energy in the Reactor to the SG. The Primary Coolant flows through the tube side of the SG and after transferring the heat energy the heat energy to the Secondary side water on the shell side of the SG, return to the RCP suction.

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The water in the Shell side of the SG, called secondary side is evaporated and the steam is fed to the Turbo-Generator to generate Electricity.

c) The Cooling water requirement is about 27888000 KLD and the process water will be 48000 KLD and hence the total requirement of water is 27936000 KLD. The water requirement will be met through desalination plant. Sea water from the Gulf of Mannar is the water source for the plant. The water is drawn at a depth of about 10 mts and the discharge of water will be at a temperature differential of 7°C. The applicant has stated that the intake water is drawn from a closed dyke and hence there is no chance of sea erosion in the intake area.

d) The Marine EIA study has been conducted by the Institute of Ocean Management and the HTL demarcation survey has been conducted by the Centre for Earth Science Studies, Thiruvananthapuram.

3) The District Coastal Zone Management Authority has in the meeting held on 15.12.2010 recommended the project for clearance..3.

4) As per CRZ Notification 1991, under para 2(i) (b), 6 (2) CRZ-I (a) and CRZ - III (i) the projects relating to Department of Atomic Energy are permissible activities. However as per para 3(2) (i) and (v), the above activity requires clearance from the Ministry of Environment and Forests, GoI.

The Authority may consider.

ADDL. AGENDA ITEM NO:02 **Mining of naturally deposited rare mineral at Vanagiri Village, Sirkali Taluk, Nagapattinam district proposed by M/s. Yes Yes Minerals, Poolambadi, Perumbalur Dist.**

M/s. Yes Yes Minerals, Poolambadi, Perambalur District has applied for Clearance under CRZ Notification 1991, for the proposed mining of naturally deposited rare minerals viz., Garnet, Ilmenite and Zircon at R.S. Nos. 434/2, 435/3, 437/1 & 437/2 to an extend of 8.59.50 hectares at Vanagiri village, Sirkali taluk, Nagapattinam district.

2) The subject was placed in the 61st meeting of the Tamil Nadu State Coastal Zone Management Authority (TNSCZMA), held on 01.11.2010 and the Authority has resolved as follows.

- a) The Authority has felt that the maximum sand mining at the project site may be considered upto the depth of 30 cms only. To take decision on this proposal, the Authority has resolved to request the applicant to furnish a detailed Environment Impact Assessment study. The Study shall cover the aspects of erosion, loss of habitat due to the proposed mining activity, monitoring of SPM level during mining, transportation, refilling the mining area etc.,
- b) The Authority has pointed out that construction of a road in the project site is prohibited activity. Hence the Authority has resolved to request the applicant to furnish the modalities to be followed in transportation of mining sand and for refilling the mining area.

3) The applicant has furnished a detailed EMP as directed by the Authority in letter dated 13th December 2010. Further the applicant has assured to maintain that the maximum depth of the sand mining will be maintained upto 30 cms only as suggested by the Authority. In this connection the applicant also informed that the mining will be carried out to a maximum of 8 months only in a year and therefore, there will be replenishment of the beach with fresh sand during the lay off monsoon period. Due to the above factor and as the mining is carried out by manual laborers only for the depth of 30 cms on

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the surface, the applicant has asserted that there will not be any chance for erosion or loss of habitation due to the proposed mining activity.

4) The applicant has also indicated that the existing road leading to Vanagiri village is approximately 200mts from the seashore and 100mts from the end of their site. Hence the applicant has informed that the vehicles will be transported on Bamboo mat or temporary materials from the existing road to backshore of their mining area as close as possible and the sand from the mining site will be loaded to the truck by head load.

5) As per CRZ Notification 1991, under para 2 (ix) mining of sands, rocks and other substrata materials **except those rare minerals not available outside the CRZ** areas is prohibited. As per CRZ Notification 1991, under para 6 (2) CRZ-III (i) mining of rare minerals in CRZ-III is permissible activity. In CRZ I (ii) i.e., in inter tidal zone., in areas which are not ecologically sensitive and important, those activities directly related to water front or directly needing foreshore facilities may be permitted. As per CRZ Notification 1991, as per para 3(2)(iii b), mining of rare minerals requires clearance from Ministry of Environment and Forests, Government of India.

The Authority may consider.

Sd/-xxxx

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

Thiru V. Irai Anbu., IAS.,
Chairman, TNSCZMA and
Secretary to Government,
Environment & Forests Dept.,
Chennai - 9

**MINUTES OF THE 62nd MEETING OF THE TAMIL NADU STATE COASTAL
ZONE MANAGEMENT AUTHORITY HELD ON 30.12.2010**

AGENDA ITEM NO.1 **Confirmation of the Minutes of the 61st meeting of the Tamil Nadu State Coastal Zone Management Authority held on 30.12.2010.**

The minutes of the 61st meeting of the Tamil Nadu State Coastal Zone Management Authority held on 01.11.2010 communicated in Letter No.P1/1578/2005 dated 15.11.2010 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 61st 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 61st meeting of the Tamil Nadu State Coastal Zone Management authority held on 01.11.2010.

AGENDA ITEM NO.03 **Construction of a Bridge at km 0/4 of Seruthur to Velankanni Road across River Vellaiyar including improvements to approaches in Km 0/0 to 0/8 in Nagapattinam district proposed by Highways Department.**

As objections have been received from "Grissthava Makkal Nala Amaippu", Velankanni regarding the location and alignment of the Bridge, the Authority resolved to return the proposal to the applicant with the request to review and realign the construction of approach roads along with Bridge.

Further the Authority resolved to request the applicant to fix the alignment of the approach road and the bridge in consultation with the local authorities and local communities to arrive at an agreeable solution.

The Authority also resolved to request the District Collector, who heads the District Coastal Zone Management Authority to examine thoroughly the revised proposal, which may be submitted by the applicant before sending the same to the State Coastal Zone Management Authority for consideration. The report sent by the Collector will be considered as the final alignment and orders will be passed accordingly.

AGENDA ITEM NO.04 **Construction of a Boat Jetty in sea at South Beach Road, near Roche Park of North of Korampallam village, Thoothukkudi Town, Thoothukkudi district proposed by the District Collector, Thoothukkudi**

The Authority pointed out that the proposed construction of boat jetty is falling in Gulf of Mannar Bio-sphere and also the presence of mangroves at about 200mts from the project site. As per CRZ Notification 1991, vide para 2 (viii) land reclamation for commercial purposes such as shopping and housing complexes, hotels and entertainment activities shall not be permissible. Further the boat activities and the visit of public in the Gulf of Mannar Biosphere Reserve Area adversely affects this ecology of the area. Considering the safety issues of the tourists and Conservation of Bio-sphere Eco-system, the Authority resolved to reject the proposal.

AGENDA ITEM NO.05 **Reconstruction of 315 Vulnerable houses under ETRP in CRZ-III areas between 200mts and 500 mts from the HTL of Sea at 20 habitations in Tirunelveli district**

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

- a) There should not be any ground water extraction in CRZ.
- b) Treated/untreated sewage should not be let out in the CRZ.
- c) Construction in between HTL and LTL of any nature should be avoided.
- d) Water and sanitation conditions may be taken due care by providing proper treatment system.
- e) Natural landforms in the coastal zone like beaches and dunes should not be altered or leveled.
- f) Proper arrangements should be made for the proper disposal of solid wastes generated in the project areas.

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ADDL. AGENDA ITEM NO:01 **Expansion of Nuclear Power Plant units 3 to 6 of capacity 4x1000 MW at Koodankulam, Radhapuram Taluk, Tirunelveli district proposed by M/s. Koodankulam Nuclear Power Project (KKNPP).**

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

- a) Green Belt shall be developed. Planting of large number of native species shall be undertaken in consultation with the Tamil Nadu Forest Department.
- b) The applicant shall fulfill all Corporate Social Responsibilities within a reasonable time frame and the applicant shall provide sufficient financial allocation to carryout their commitment in this regard.
- c) Community confidence building measures shall be taken adequately to the local community to remove any apprehension regarding the functioning of Atomic Power Station in Koodankulam. The Kalpakkam Atomic Power Plant may be taken as a model for these activities.

ADDL. AGENDA ITEM NO:02 **Mining of naturally deposited rare mineral at Vanagiri Village, Sirkali Taluk, Nagapattinam district proposed by M/s. Yes Yes Minerals, Poolambadi, Perumbalur Dist.**

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

- a) The excavation shall be restricted to 30 cm only
- b) The mining shall be carried out only by manual operations and no machineries shall be employed.
- c) There shall be no extraction of ground water
- d) Pre-concentration plant and mineral separation plant shall be outside CRZ.
- e) The unit shall obtain consents, in appropriate stage, from the Tamil Nadu Pollution Control Board.

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- f) No blasting or drilling for mining shall be carried out.
- g) The land reclamation and backfilling should be carried out concurrently with the mining activity.
- h) Before commencement of the mining activities, valid handling license for mining the prescribed minerals shall be obtained from the Department of Atomic Energy.
- i) No road shall be formed in CRZ
- j) Before commencing the activity, the applicant shall obtain necessary mining lease from the Government.
- k) No liquid or solid waste shall be generated and disposed off in CRZ.
- l) The clearance does not confer any "Surface Right" to the proponent.

Sd/-xxxx

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

Sd/- xxxx

Dr. V. Irai Anbu., I.A.S.,
Chairman, TNSCZMA and
Principal Secretary to Government,
x Environment & Forests
Department
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