

# AGENDA NOTES

63<sup>rd</sup> MEETING

## TAMIL NADU STATE COASTAL ZONE MANAGEMENT AUTHORITY

Date: 28.02.2011  
Time: 11.00 A.M.

Venue: Agriculture Conference Hall  
5<sup>th</sup> Floor, Secretariat,  
Chennai - 600 009

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**AGENDA NOTES FOR THE 63<sup>rd</sup> MEETING OF  
THE TAMIL NADU STATE COASTAL ZONE MANAGEMENT  
AUTHORITY**

**Date & Time:**

**28.02.2011 - 11.00 A.M.**

**Venue: Agriculture Conference Hall  
1<sup>st</sup> Floor, Secretariat,  
Chennai - 9**

**AGENDA ITEM NO.01: Confirmation of the minutes of the 62<sup>nd</sup> meeting of the Tamil Nadu State Coastal Zone Management Authority held on 30.12.2010.**

The 62<sup>nd</sup> meeting of the Tamil Nadu State Coastal Zone Management Authority was held on 30.12.2010 and the minutes were communicated in letter no.P1/1578/2005 dated 13.01.2011 of Director of Environment. It may be confirmed.

**MINUTES OF THE 62<sup>nd</sup> 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 61<sup>st</sup> meeting of the Tamil Nadu State Coastal Zone Management Authority held on 01.11.2010.

The minutes of the 61<sup>st</sup> 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 61<sup>st</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 61<sup>st</sup> 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 "Grishthava 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.

.4.

**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.

.5.

- 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  
Chennai - 9

**AGENDA ITEM NO.02: The action taken on the decisions of 62<sup>nd</sup> meeting of the authority held on 30.12.2010 are given below:**

SI. No	Description of proposals	Action taken
01	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 resolved the District Collector/ Chairman, DCZMA has been requested in letter No. P1/2166/2009 dated 13.01.2011 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. Further as resolved by the Authority the District Collector, who heads the District Coastal Zone Management Authority, has been requested to examine thoroughly the revised proposal before sending the same to the State Coastal Zone Management Authority for consideration
02	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	Considering the safety issues of the tourists and Conservation of Bio-sphere Eco-system of Gulf of Mannar Bio-sphere Reserve, the Authority has resolved to reject the proposal and the fact has been intimated to the applicant in letter No.279/2011/P1 dated 13.01.2011.
03	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	As resolved, the proponent has been issued for the construction of houses for fishermen under ETRP in pro. No. 2758 /2010/P1 dated 15.11.2010.
04.	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).	As resolved, the proposal has been sent to Ministry of Environment and Forests, GoI., through the Environment and Forests Department, GoTN., in letter No. 2948/2010/P1 dated 19.01.2011.
05	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 proposal has been sent to Ministry of Environment and Forests, GoI., through the Environment and Forests Department, GoTN., in letter No. 1919/2010/P1 dated 19.01.2011.



**AGENDA ITEM NO.03**

**Construction of an Auditorium Muthamizh Mandram at R.S. No. 4269/3, Mylapore, Chennai proposed by M/s.Muthamizh Peravai Charitable Trust, Chennai.**

M/s. Muthamizh Peravai Charitable Trust have applied for Planning Permission for the proposed construction of an Auditorium Muthamizh Mandram (Public building) at R.S. No. 4269/3, Mylapore village, Durgabai Deshmukh road, Chennai. The Government in GO.Ms. No. 111 PWD Department dated 26.06.2009 and GO. Ms. No. 253 PWD department dated 30.08.2010 have allotted six grounds of lands (1336.68 Sq.mts.) to the Charitable Trust for construction of an Auditorium building. The site under reference attracts the CRZ-II regulations as it falls within 100mts., along the Adyar River zoned as CRZ-II area as per the approved Coastal Zone Management Plan.

The CMDA has applied for the consideration of above proposal in letter No. C4/13506/10 dated 08.02.2011 with the following additional details.

The built up area of the project is 771 sq.mts. The cost of the project is below Rs.5.00 crores. The site under reference abuts Dr. Durgabai Deshmukh Road and River adyar is flowing on the southern side of the site under reference. There is an authorized structure at Sathaya Studio on the eastern side and there is an existing garage in the Minister's quarter "Seventhii" on the western side.

As per CRZ Notification 2011, vide para 8 II CRZ-II (ii) buildings shall be permitted only on the landward side of the existing road or landward side of the existing authorized structures subject to the existing local town and country Planning regulations. The CMDA have informed that a notional line has been drawn adjoining the authorized structure in the Sathya studio & existing garage and found that the proposed construction falls on the landward side of the existing authorized structures and accordingly satisfies CRZ-II regulations by applying the infilling theory. The plan also satisfies Development control regulations.

As per CRZ Notification 2011, vide para 4 (i) (d) construction involves less than 20,000 sq.mts. requires recommendations from the Tamil Nadu State Coastal Zone Management Authority (TNSCZMA), before grant of approval by the relevant planning authority and hence the CMDA has referred the above proposal to the TNSCZMA.

The Authority may consider.

**AGENDA ITEM NO.04**      **Issue of Planning Permission and approval for the constructions less than 20,000 sq.mts. in CRZ-II areas - clarification sought for by the CMDA.**

All the development activities (except activities which require clearance from MoEF & prohibited activities) shall be regulated, under para 3(3) (ii) of CRZ Notification 1991, by the State Government, UT, local authority or the concerned CZMA with in the frame work of such approved Coastal Zone Management Plans (CZMP) as the case may be in accordance with the provisions of this Notification. Based on the said provisions, Government of Tamil Nadu in letter No. 29477/EC-3/2005-1 E&F Department dated 02.11.2005, delegated powers to CMDA to issue clearance from environmental angle, for the projects falling in CRZ-II areas, upto the project cost of Rs.5.00 crores and the CMDA was also requested therein to refer other proposals to the CZMA. The CMDA is acting based on the said Government orders till date.

2) However in the CRZ Notification 2011, vide para 4 (i) (d) it is indicated that the projects, less than 20,000sq.mts., built up area, shall be approved by the concerned State & UT authorities in accordance with this notification after obtaining recommendations from the concerned CZMA (Coastal Zone Management Authority). Hence all the construction proposals including small residential buildings requires clearance under CRZ Notification from the CZMA.

3) In this connection, the CMDA in letter no. M2/1268/2011 dated 09.02.2011 have informed that the applicants, who have planned to construct small residential buildings are put into hardship and CMDA have requested clarification on the following two issues:

- a) Whether CZMA can delegate the powers to CMDA vis-à-vis ULBs to grant approval for the constructions less than 20,000 sq.mts. as built up area in CRZ-II area satisfying guidelines.
- b) PPAs have been already approved and necessary charges / fees are paid in some cases i.e, prior to the present notification date 06.01.2011 but the PPs are not released. whether Planning Permissions can be released to the respective applicants or not.

.9.

4) In this connection the following details are furnished.

- a) The Ministry of Environment and Forests, GoI in S.O.No. 1760 (E) dated 21<sup>st</sup> July 2008, constituted the TNSCZMA and prescribed powers and functions of the Authority. In the said notification, the TNSCZMA has not been empowered to delegate powers to the local bodies / local authorities.
- b) However under para 5 (x) of CRZ Notification 2011, all the development activities listed in this notification shall be regulated by the State Government, UT, local authority or the concerned CZMA with in the frame work of such approved Coastal Zone Management Plans (CZMP) as the case may be in accordance with the provisions of this Notification. "

5) In view of above facts and based on the instructions issued under para 5 (x) above, the MoEF., GoI may be requested to give consent for the delegation of powers to CMDA vis-à-vis ULBs to grant approval for the constructions less than 20,000 sq.mts., as built up area in CRZ-II, which are satisfying guidelines under CRZ Notification 2011. As the CMDA and Urban Local Bodies are well established Government bodies and are dealing the issues for several decades and they are also monitoring and enforcing the Town and Country Planning Rules and Regulations, the MoEF., GoI may be requested to consider the above request favourably.

6) The Authority may consider.

**AGENDA ITEM NO:05**

**Shifting of intake channel location of drawal of sea water, outfall channel location for discharge of treated waste water/cooling water in connection with the 2x600 MW Thermal Power Project at Pattinamaruthur village, Thoothukkudi district proposed by M/s. Coastal Energen (P) Ltd., Chennai**

M/s. Coastal Energen (P) Ltd., Chennai has submitted a proposal for the Construction of laying of pipelines for drawal of sea water, discharge of treated waste water and to install a pump house in R.S. No.40 of Pattinamaruthur , Ottapidaram taluk, Thoothukkudi district for clearance under CRZ Notification 1991 and the GoI has issued Environmental Clearance for the above project in Ir. No. 11-32/2009-IA-III dated 10<sup>th</sup> August 2009.

2) In letter dated 19<sup>th</sup> August 2010, the applicant has proposed for shifting of intake channel location for drawal of sea water, outfall channel location for discharge of treated waste water/cooling water and installation of pump house in connection with the above Thermal Power Project, about 1400mts from the present location and Construction of open channels for the drawal of sea water and for the discharge of effluents disposal system instead of pipelines already proposed. The said proposals have been placed before the TNSCZMA in the 60<sup>th</sup> meeting held on 30.08.2010 and proposals were sent to GoI for consideration accordingly.

3) However the Environmental Appraisal Committee for CRZ in its 93<sup>rd</sup> meeting held on 9<sup>th</sup> November 2010 has suggested that the discharge point may be re-examined in view of the available depth and explore the possibility of extending the length of the disposal point along the tidal movement. The MoEF., GoI in their letter dated 28<sup>th</sup> January 2011 has requested the applicant to submit above details with the recommendations of the TNSCZMA.

4) As suggested by the EAC above, M/s. Coastal Energen Pvt. Ltd., Chennai has conducted modeling studies and based on the studies the applicant has proposed to extend the length of the disposal point along the tidal movement without open channel, as follows, as suggested by the Environmental Appraisal Committee of MoEF., GoI.

.11.

The location of sea water intake and outfall points based on the modeling studies.

<b>Recommendation of the TNSCZMA (60<sup>th</sup> meeting held on 30.08.2010)</b>	<b>Proposed intake and outfall pipelines instead of open channel based on modeling studies.</b>
Intake Channel location of sea water 08° 54' 42.2" N, 78° 10' 53.1"E	Intake well at 08° 54' N, 78° 11' E
Outfall Channel location of sea water 8°55'10.8" N, 78° 11'3.7"E	Outfall diffuser at 8°55' N, 78° 11'E

The applicant has also indicated that there is no change in other items as well as the pipeline route on the landward side and requested to recommend the above changes to the Ministry of Environment and Forests, GoI.

The Authority may consider.

**AGENDA ITEM NO.06**

**Construction of intake/ outfall pipelines, pump house for the proposed desalination plant of 10 MLD capacity at Keela Arasaradi Village, Ottapidaram taluk, Thoothukkudi district proposed by M/s. South Ganga Waters Technolgies (P) Ltd., Chennai.**

The District Collector/ Chairman, Thoothukkudi has forwarded a proposal for the construction of intake and outfall pipelines, pump house for the proposed desalination plant of 10 MLD capacity at Keela Arasaradi Village, Ottapidaram taluk, Thoothukkudi district.

The District Coastal Zone Management Authority, Thoothukkudi has in the meeting held on 29.11.2010 discussed the subject and the DCZMA has resolved to recommend the proposal for consideration.

The details of the projects are as follows:

As per the details furnished by the Regional Deputy Director of Town and Country Planning, Tirunelveli, the Desalination Plant will be located at R.S. No. 312/2 at Keela Arasadi village, Ottapidaram Taluk, Tuticorin District which is falling outside CRZ as per approved Coastal Zone Management Plan. The intake and outfall Pipelines in CRZ -III are falling in R.S, No. 321, 282, 284, 315, 310/2 at Keela Arasaradi Village, Ottapidaram taluk. The applicant has furnished HTL map duly superimposing the pipelines. The cost of the project is Rs. 1.50 crores.

About 15 MLD of sea water will be required to produce 10MLD of fresh water. The sea water intake system shall consist of an intake pipe followed by pumps to convey the water to the Desalination plant. The pipe line shall be HDPE. The length of the pipe in CRZ on the landward side is about 600 mts approximately. The diameter of the pipe will be 800 mm. The outfall will be designed for a flow rate of 833 cu.mt./hr at ultimate capacity. The outfall has been proposed at 100mts distance into the sea. The applicant indicated that the temperature of return water into the sea will be the same as input water about 20-30 C. TDS will be 49800 to 63100.

.13.

4) As per CRZ Notification 2011 under Para 3 (i) (a) activities those directly related to water front or directly needing foreshore facilities are permissible activities in CRZ. Under para 2 (iv) of the said Notification Land reclamation, bunding or disturbing the natural course of sea water for facilities that are essential for activities are also permissible under the notification. Further, as per para 8 III-CRZ-III of CRZ Notification 2011, fore shore facilities and associated facilities for desalination plant can be carried out in CRZ III. However as the said activity has not been listed in the EIA Notification 2006, the said proposal requires environmental clearance from Ministry of Environment, Government of India.

The Authority may consider.

**AGENDA ITEM NO:07 ANY OTHER ISSUES WITH THE PERMISSION OF CHAIR.**

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

Dr. P. Rama Mohana Rao., I.A.S.,  
Chairman, TNSCZMA and  
Principal Secretary to Government,  
Environment & Forests Dept.,  
Chennai - 9

**MINUTES OF THE 63<sup>rd</sup> MEETING OF THE TAMIL NADU STATE  
COASTAL ZONE MANAGEMENT AUTHORITY HELD ON 28.02.2011**

**AGENDA ITEM NO.1 Confirmation of the Minutes of the 62<sup>nd</sup> meeting of the Tamil Nadu State Coastal Zone Management Authority held on 30.12.2010.**

The minutes of the 62<sup>nd</sup> meeting of the Tamil Nadu State Coastal Zone Management Authority held on 30.12.2010 communicated in Letter No.P1/1578/2005 dated 13.01.2011 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 62<sup>nd</sup> meeting of the TNSCZMA.**

(i) 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 62<sup>nd</sup> meeting of the Tamil Nadu State Coastal Zone Management authority held on 30.12.2010.

(ii) The Members were of the view that the agencies, for monitoring and to ensure the implementation of the conditions imposed by the Authority are suggested / finalized while recommending/ clearing the projects proposals by the Authority.

**(iii) Construction of a Bridge at km 0/4 of Seruthur to Velankanni Road across River Vellaiyar.**

With reference to the construction of Bridge at km 0/4 of Seruthur to Velankanni road across River Vellaiyar including improvement to approaches in km 0/0 to 0/8 in Nagapattinam district proposed by Highways Department, as resolved by the SCZMA in the 62<sup>nd</sup> meeting held on 30.12.2010, the District Collector, Nagapattinam District had consultations with the local communities. The District Collector, Nagapattinam, after the consultations, has stated that there is no objection at present and he suggested in Ir. No. 83/D.C./2011 dated 14.02.2011, to consider the above proposal favourably. The "Grishthava Makkal Nala Amaippu", Velankanni who has objected earlier for the construction of said bridge has withdrawn their objections in their letter dated 02.02.2011. As it was already decided that District Collector's views are final for considering the proposal, the Authority has resolved to recommend the proposals to the Ministry of Environment and Forests, GoI for consideration.



.2.

**AGENDA ITEM NO.03**      **Construction of an Auditorium Muthamizh Mandram at R.S. No. 4269/3, Mylapore, Chennai proposed by M/s.Muthamizh Peravai Charitable Trust, Chennai.**

The Authority was briefed by the CMDA representative member on the Proposal. As per the details furnished by the CMDA (based on the existing procedures CMDA is following) the proposed construction is falling on the landward side of the existing authorized structures and accordingly CMDA has stated that the proposed construction satisfies CRZ-II regulations. The CMDA has also stated that the plan satisfies its Development regulations. The Authority has noted that all the development activities (except activities which require clearance from MoEF & prohibited activities) upto the project cost of Rs.5.00 crores has been regulated by the CMDA under para 3(3) (ii) of CRZ Notification 1991, with in the frame work of such approved Coastal Zone Management Plans (CZMP) in accordance with the provisions of the CRZ Notification 1991, till 6<sup>th</sup> January 2011. However as per CRZ Notification 2011, vide para 4 (i) (d) construction involving less than 20,000 sq.mts. requires recommendation from the Tamil Nadu State Coastal Zone Management Authority (TNSCZMA), before grant of approval by the relevant planning authority and hence the CMDA has referred the above proposal to the TNSCZMA.

After considering the above facts, the Authority resolved to clear the above proposals subject to the following specific conditions;

- a) Planning Permission shall be obtained from the Chennai Metropolitan Development Authority.
- b) There should not be any ground water extraction in CRZ.

**AGENDA ITEM NO.04**      **Issue of Planning Permission and approval for the constructions less than 20,000 sq.mts. in CRZ-II areas - clarification sought for by the CMDA.**

In respect of applications seeking Planning Permissions from CMDA, which attract CRZ Notification 2011, which came into effect from 06.01.2011, the Authority resolved to get the orders on the delegation of powers to the CMDA either from the State Government or Ministry of Environment and Forests, GoI, as applicable, based on the opinion to be obtained by the Law Department and the H&UD Department on the instructions of para 4(i) (d) and para 5 (x) of CRZ Notifications 2011.

.3.

**AGENDA ITEM NO:05**

**Shifting of intake channel location of drawal of sea water, outfall channel location for discharge of treated waste water/cooling water in connection with the 2x600 MW Thermal Power Project at Pattinamaruthur village, Thoothukkudi district proposed by M/s. Coastal Energen (P) Ltd., Chennai**

The Authority resolved to recommend the proposed construction of pipelines instead of open channel with the changes in the route and location of sea water intake and outfall points based on modeling studies, to Ministry of Environment and Forests, Government of India, for their consideration, subject to the condition that the proponent shall provide online monitoring system to monitor the temperatures of water at inlet and outlet in the plant, regularly.

**AGENDA ITEM NO.06**

**Construction of intake/ outfall pipelines, pump house for the proposed desalination plant of 10 MLD capacity at Keela Arasaradi Village, Ottapidaram taluk, Thoothukkudi district proposed by M/s. South Ganga Waters Technolgies (P) Ltd., Chennai.**

The Authority resolved to recommend the proposal for the Construction of intake, outfall pipelines and pump house facilities to Ministry of Environment and Forests, Government of India subject to the following specific conditions:

- a) The out fall point in the sea shall be not less than the depth of 3 to 4 meters and length of the pipeline be not less than 200mts.
- b) The unit shall utilize only the sodium hypo chloride for chlorination of sea water.
- c) A system shall be evolved for a close and continuous monitoring during installation phase and post operation phase under the guidance of Tamil Nadu Pollution Control Board.
- d) The applicant shall provide online monitoring system to monitor the temperatures of water at inlet and outlet in the plant, regularly.

Sd/-xxx

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

Sd/-xxx

Dr. P. Rama Mohana Rao., I.A.S.,  
Chairman, TNSCZMA and  
Principal Secretary to Government,  
Environment & Forests Dept., Ch-9.

/forwarded by order/

For Director of Environment