

## TAMIL NADU STATE COASTAL ZONE MANAGEMENT AUTHORITY

### I. Note for circulation:

The following agenda items are circulated among the members of the Tamil Nadu State Coastal Zone Management Authority, for perusal and approval.

**AGENDA ITEM No.01 CRZ- International Great Barrier Reef Marine Park Authority, an independent Australian Government agency responsible for the long term protection of the great barrier reef including management of the Great Barrier Reef Marine Park - delegation visited to Australia - regarding.**

The Director of Heritage International and Governance, International Great Barrier Reef Marine Park Authority, an independent Australian Government agency responsible for the long term protection of the great barrier reef including management of the Great Barrier Reef Marine Park has acknowledging the initiatives for protecting the coral reefs of the Gulf of Mannar in Tamil Nadu, has invited representatives of the Environment and Forests Department for a visit to the National Headquarters for the Great Barrier Reef Marine Park Authority, located in Townsville, Far North Queensland, Australia.

2) As resolved in the 88<sup>th</sup> meeting of the Tamil Nadu State Coastal Zone Management Authority, held on 15.02.2016, to implement the projects in the Coastal Areas in a better way, a delegation consisting of the Chairman, TNSCZMA/Principal Secretary to Government, Environment and Forest Department, the Member Secretary, TNSCZMA/Director of Environment, the Director, SDMRI have visited Australia between 14<sup>th</sup> March and 18<sup>th</sup> March, 2016.

3) A report on the above visit is put up below.

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4) In continuation of their visit to take follow up actions on technical issues, Dr. Jayanthii.M., IFS., Additional Director of Department of Environment and Tmt. Jayashree Vencatesan, Member, TNSCZMA may be deputed to visit to the National Headquarters for the Great Barrier Reef Marine Park Authority, located in Townsville, Far North Queensland, Australia.

5) The Authority may resolve to permit the Member Secretary, TNSCZMA to incur a sum of Rs. 8,00,000/- (Rupees Eight lakhs only) to meet out the expenditures in respect of the above visit from the State Coastal Zone Management Fund.

**AGENDA ITEM NO.02**      **Presentation on the proposed publication of book titled "Designing Coastal Future" by M/s. CARE Earth, Chennai.**

It is proposed to publish a book on coastal management in Tamil Nadu under the title "Designing Coastal Future" which will be used as a tool for decision making/ Planning activities, in future, to various stakeholders. The work may be entrusted to M/s. Care Earth, who are in the field for several years.

2) The Authority may resolve to meet the cost of Rs. 5,00,000/- (Rupees Five lakhs ) towards the honorarium, preparation, printing and supply of 300 Copies of the above book may be met from the State Coastal Zone Development Fund.

**AGENDA ITEM NO:03**      **Draft final report on "Comprehensive Shoreline Protection Management Plan for the Tamil Nadu Coast" prepared as per the direction of the Hon'ble National Green Tribunal by IIT, Chennai.**

On the Application No. 4/2013 filed by Thiru O. Fernandes regarding the construction of shoreline protection structures by the PWD and other agencies, the Hon'ble NGT (SZ) on 17.08.2015 issued instructions to prepare a Comprehensive Shoreline Protection Management Plan / Scheme for the entire coast of Tamil Nadu

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especially with reference to erection of Groynes, sea walls and training walls etc. In this connection the PWD was requested by the Department of Environment to prepare the said plan as requested by the NGT.

2) As resolved in the 86<sup>th</sup> meeting held on 30.09.2015, the work was entrusted to Prof. V. Sundar, IIT Madras and Prof. V. Sundar, IIT Madras has submitted the Inception Report on 21.01.2016. He also made a power point presentation on the status report on the preparation of comprehensive shoreline management plan to the Members of the Tamil Nadu State Coastal Zone Management Authority in the 88<sup>th</sup> meeting held on 15.02.2016.

3) Prof. V. Sundar, IIT Madras has submitted the draft final report on 31.03.2016 and a presentation on the draft final report on the preparation of comprehensive shoreline management plan was made by Prof. V. Sundar, IIT Madras on 13.04.2016 to the stakeholders viz., senior level officials of PWD., Fisheries and Forests Department. The views and suggestions will be included, if considered fit, in the final report.

4) A copy of minutes of the meeting held on 13.04.2016 is enclosed. Further a copy of draft final report is put up below and the same may be approved.

**AGENDA ITEM NO.04**      **Invitation to attend the 13<sup>th</sup> International Coral Reef Symposium to discuss the application of scientific knowledge to achieving coral reef sustainability at Honolulu, Hawaii, USA during 19-24<sup>th</sup> June 2016 to be conducted by the International Society for Reef Studies.**

The 13<sup>th</sup> International Coral Reef Symposium is to be held in Honolulu, Hawaii., USA during 19<sup>th</sup> to 24<sup>th</sup> June 2016. The International Coral Reef Symposium (ICRS) is a major scientific congress for reef researchers, managers and administrators, held

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every four years and is a tremendous opportunity to share knowledge and learn about the cutting edge of new marine research, conservation and management.

The Convener of the 13<sup>th</sup> ICRS Dr. Robert H. Richmond, in his letter dated 5<sup>th</sup> April 2016, has invited a delegation to participate in the above symposium as Tamil Nadu has taken proactive steps to protect the coral reef ecosystem in Gulf of Mannar through implementing various schemes like coral rehabilitation, monitoring coral health issues, managing exotic seaweed invaded coral areas, eco-developmental activities especially providing alternate employment to marine resource dependent communities etc.,

The State has identified Coastal Area Management as the priority sector, since coastal ecosystems are the most productive and highly threatened ecosystems of the world. Tamil Nadu is the forerunner in implementing proposals under the National Adaptation Fund in the Coastal Area Management Sector. In view of above, to implement the projects in the Coastal Areas in a better way, it is proposed that a team consisting of Thiru Hans Raj Verma., IAS., Principal Secretary to Government/Chairman, Tamil Nadu State Coastal Zone Management Authority and Dr. H. Malleshappa. IFS., Director of Environment/Member Secretary, Tamil Nadu State Coastal Zone Management Authority may participate in the 13<sup>th</sup> International Coral Reef Symposium, to be held in Honolulu, Hawaii, USA during 19<sup>th</sup> to 24<sup>th</sup> June 2016.

5) The Authority may resolve to permit the Member Secretary, TNSCZMA to incur a sum of Rs.10 lakhs (Rupees ten lakhs only) to meet out the expenditures towards participation fees, expenditure towards the visit and other logistics in respect of the above visit from the State Coastal Zone Management Fund.

**AGENDA ITEM NO:05 Project titled "Protection of Vaan Island in Gulf of Mannar from degradation through coral rehabilitation and deployment of artificial reefs' proposed by Suganthi Devadason Marine Research Institute, Thoothukudi - Phase II - Status report regarding.**

M/s Suganthi Devadason Marine Research Institute (SDMRI), Thoothukudi is executing the project viz., "Protection of Vaan Island in Gulf of Mannar from degradation through coral rehabilitation and deployment of artificial reefs' in a pilot scale based on the bathymetry and Wave dynamics of IIT, Madras. Among other things, the pilot project includes the deployment of 705 numbers of artificial reef at a selective locations and also substrate construction and deployment for Coral Rehabilitation works and the Tamil Nadu State Coastal Zone Management Authority has approved the above said project in the 81<sup>st</sup> meeting held on 27.11.2014. The SDMRI has completed the pilot project.

2) The TNSCZMA in the 86<sup>th</sup> meeting held on 30.09.2015 reviewed the progress of work under the pilot scale. After detailed deliberations, the Authority resolved to accept Phase II proposal on the project "Protection of Vaan Island in Gulf of Mannar from degradation through coral rehabilitation and deployment of artificial reefs' proposed by SDMRI and permitted to deploy the remaining 3,895 numbers of Artificial Reef (AR) modules. Accordingly the works have been entrusted to SDMRI.

3) M/s. SDMRI has executed the work as per the MOU executed on 11.01.2016. SDMRI has constructed 390 nos. of AR modules during February 2016 and 975 nos. AR modules during March 2016. Further out of which 495 AR modules have been deployed.

4) A Technical committee consisting of Dr. Jayanthi M., IFS., Additional Director of Environment, Thiru Deepak S. Bilgi, IFS., Wild Life Warden, Gulf of Mannar Marine National Park, Ramanathapuram, Dr. S. S. Ramakrishnan, Director of Institute of Remote Sensing, Anna University, Chennai, Dr. S. Srinivasalu, Director of Institute of Ocean Management, Anna University, Chennai have inspected the progress of the works at the

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project sites on 04.04.2016 at Tuticorin. The Committee has observed that considerable progress has been made in the works. Based on the observation of the Committee payment has been made to SDMRI as per the TOR executed.

5) A copy of inspection report dated 04.04.2016 is enclosed for the information of the Members of the Authority.

**AGENDA ITEM NO:06**      **Revalidation of HTL demarcation and Ecologically Sensitive Area maps by National Center for Sustainable Coastal Management (NCSCM) for the entire coastal areas of Tamil Nadu.**

The High Tide Line maps and Ecologically sensitive features namely Sand dunes, mangroves, mudflats and salt marsh for all coastal districts of Tamil Nadu in 1:5000 scale were prepared under CDRRP (formerly ETRP project) by Institute of Remote sensing, Anna University have been sent to National Centre for Sustainable Coastal Management (NCSCM) in digital form (Shape files) for validation as requested by the Ministry of Environment and Forests, GoI.

2) In continuation, NCSCM has requested to depute the representatives of the Department of Environment/CZMA to visit NCSCM for final validation of HTL on 22<sup>nd</sup> March 2016. Accordingly, the Members of Tamil Nadu Coastal Zone Management Authority, officers from CMDA, DTCP have visited NCSCM for final validation of HTL references on 22.03.2016.

3) Further the Members of Tamil Nadu Coastal Zone Management Authority, officers from CMDA, DTCP, PWD, Fisheries, Forests, SDMRI have visited NCSCM for final validation of Ecologically Sensitive Areas (ESAs) on 26.04.2016.

4) The participants have offered several suggestions/ views on the documents prepared regarding HTL by the NCSCM and the Director NCSCM has accepted to incorporate all details

5) In respect of ESAs, the NCSCM has accepted to send hard copies of the documents in 1:25000 scale for the perusal of stakeholders for comments and accepted to

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finalise the ESA documents after considering the views and suggestions of the concerned stake holder departments viz., PWD, Fisheries, Forests, DCZMAS etc.,

6) The above facts are furnished for the information of the Authority.

**AGENDA ITEM NO:07 Project on "Management and rehabilitation of coastal habitats and biodiversity for Climate Change Adaptation and Sustainable Livelihood in Gulf of Mannar, Tamil Nadu, India"**

The Project on "Management and rehabilitation of coastal habitats and biodiversity for Climate Change Adaptation and Sustainable Livelihood in Gulf of Mannar, Tamil Nadu, India" has been approved by the Ministry of Environment, Forests and Climate Change, Government of India, under the Grants-in-Aid component of the National Adaptation Fund for Climate Change (NAFCC) and administrative approval has been issued in F.No.16/28/2015-CC, GoI,MoEF&CC, Climate Change Division dated 31.12.2015, at a total cost of Rs. 24.74 crores (Rupees Twenty Four Crores and Seventy Four Lakhs) to be implemented in four years and released an amount of Rs. 12,37,00,000/- (Rupees Twelve Crores and Thirty Seven Lakhs) as first installment which is 50% of the project cost to NABARD (which is the National Implementing Entity (NIE)) for implementation of the project. The NABARD has released a sum of Rs.3.74 crores as first installment during March 2016 to the Department of Environment for execution of the project.

2) The following are the activities to undertaken in the project:

S.No.	Project Component	Total Funding (In Lakhs)
1.	Baseline Survey	90
2.	Coral Rehabilitation	110
3.	Sea grass Rehabilitation	70
4.	Artificial Reef Deployment	1260
5.	Eco-development Activities	720
6.	Admin Cost	152
7.	Project Cycle Management Fee charged by NABARD	72
	<b>TOTAL</b>	<b>2474</b>

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3) The detailed guidelines on the implementation of the project is awaited from NABARD and the identification of executing agencies will be finalized on the receipt of guidelines. The project will be commenced shortly with the inception workshop with the participation of implementing agencies and stakeholders at Tuticorin.

This is for the information of the Authority.

Sd/-  
Member Secretary,  
TNSCZMA

To

The Members of Tamil Nadu State Coastal Zone Management Authority

**It is requested to convey your acceptance to record this as minutes by returning a signed copy.**

**APPROVED**

1. Thiru A. Karthik, I.A.S.,  
Director of Town and Country Planning (I/C),  
807 na Salai,  
Chennai 600 002.

Sd/-

2. Dr. Beela Rajesh, I.A.S.,  
Commissioner of Fisheries,  
Administrative Office Buildings,  
Teynampet,  
Chennai 600 006.

Sd/-

3. Thiru A. Karthik, I.A.S.,  
Member Secretary,  
Chennai Metropolitan Development Authority,  
Thalamuthu Natarajan Building,  
1, Gandhi Irwin Road, Egmore,  
Chennai 600 008.

Sd/-



4. Member Secretary, Sd/-  
Tamil Nadu Pollution Control Board,  
76 Mount Salai, Guindy,  
Chennai 600 032
5. Thiru E. Sampath Kumar, Sd/-  
Regional Director,  
Central Ground Water Board,  
S.E.C.R., E-1, Rajaji Bhawan,  
Besant Nagar, Chennai 600 090.
6. Dr. S.S. Ramakrishnan, Sd/-  
Director, Institute of Remote Sensing,  
Anna University, Chennai 600 025.
7. Dr. B.R. Subramanian, Sd/-  
Senior Scientific Consultant,  
National Centre for Sustainable  
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Anna University, Chennai 600 025.
8. Dr. M. Ramalingam, Sd/-  
Director (Retd.) I.R.S.,  
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9. Dr. Nehru Kumar Vaithilingam, Sd/-  
Director, Centre for Environment,  
Health & Safety, Annamalai University,  
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10. Dr. Jayshree Vencatesan, Sd/-  
Managing Trustee, Care Earth Trust,  
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Thillaiganga Nagar, Chennai 600 061.

Sd/-  
Thiru Hans Raj Verma, I.A.S.,  
Chairman, TNSCZMA and  
Principal Secretary to Government,  
Environment & Forests Dept., Chennai-9