

7th Nov 2017

To,

Member Secretary & Director
Infrastructure & Miscellaneous Projects + CRZ projects
6th Floor, Jal Wing,
Ministry of Environment, Forest & Climate Change
Indira Paryavaran Bhavan, Jor Bagh,
Aliganj Road, New Delhi - 110 003

Dear Sir,

Sub: CRZ Clearance for "Facilitation of new sea water intake system by realigning of existing intake and outfall pipeline route at Ennore by Coromandel International Limited, Ennore, Tiruvottiyur Taluk, Tiruvallur Dist., Tamil Nadu - **Reply to the EDS raised by MoEF&CC dated 03/10/2017 - reg.**

Ref.: Our Proposal No.IA/TN/MIS/69795/2017

With reference to the subject mentioned above, we would like to submit the following for your kind consideration.

BACKGROUND:

- a) As you are aware we are part of USD 4.5 billion Murugappa Group, a leading business conglomerate in south India. We at Coromandel International Ltd., (Coromandel) are the manufacturers of a wide range of Phosphatic Fertilizers having three plants in India with two plants located in Andhra Pradesh i.e., Visakhapatnam and Kakinada and one plant in Tamilnadu i.e., Ennore.
- b) The Fertilizer plant at Ennore was established in the year 1963 and produces Ammonia Phosphate Sulphate Fertilizers as its final product. The unit, installed multiple effect distillation (MED) unit in the year 1995 as part of modernization program which was the first of its kind in India.
- c) The fresh water requirement at Ennore unit is met through evaporation of sea water at MED plant. Sea water required for MED unit at present is met from return sea water (outfall) of Ennore Thermal Power Station (ETPS), received through well designed pumping system. As part of its expansion and revamping program, ETPS has stopped its operation which includes sea water outfall, the primary source of Sea water for our MED

Unit. This has resulted in stoppage of our MED Unit, shortage of fresh water and consequently significant drop in production of phosphatic fertilizer, a vital input to the farming community.

- d) As part of its endeavor to ensure continued operation of MED unit and sustainable production of phosphatic fertilizers, Coromandel has proposed independent sea water intake facility with water drawn directly from the sea. As the proposal is critical to the sustainability of our business operations, Coromandel intends to implement the project expeditiously and accordingly submitted the proposal to MOEF for CRZ clearance.

Our reply to EDS:

- 1) Coromandel wish to submit that TNSCZMA committee has recommended our proposal during the 96th meeting held on 08.09.2017 and the recommendation letter from the office of Principal Secretary to the Government, Environment and Forest Dept., Tamil Nadu is submitted along with this letter to your good office.
- 2) A copy of CRZ Map on 1:4000 scale with clear indication of CRZ – I, CRZ-II, CRZ-III & CRZ-IV and project location super imposed is enclosed for reference.

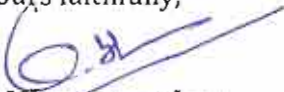
We humbly request you to process our proposal for further consideration.

Our appeal:

As a leading complex fertilizer manufacturing facility in India, we significantly contribute to meet the growing farming community demands to support our economy. We shall be highly obliged if you could kindly give us an opportunity to present our proposal in the next upcoming EAC meeting so as to obtain CRZ Clearance for our sea water intake facility at the earliest.

Thanking You

Yours faithfully,



K.Muruganandam

Associate Vice President – Manufacturing & Unit Head

(Authorized Signatory)

For Coromandel International Limited

Ennore.

Speed Post



**Environment & Forests (EC.3)
Department, Secretariat,
Chennai-9**

Letter No. 17943/EC-3/2017 - 1, Dated: 02.11.2017.

From
Thiru. Md. Nasimuddin, I.A.S.
Principal Secretary to Government.

To
The Chairman,
National Coastal Zone Management Authority,
Government of India,
Ministry of Environment, Forests & Climate Change,
Agni Wing, 5th Floor,
Indira Paryavaran Bhawan,
Jor Bag Road, Aliganj,
New Delhi – 110 003. (w.e.)

Sir,

Sub: Coastal Regulation Zone – Application for Coastal Regulation Zone clearance – Proposed Facilitation of New Sea Water Intake System by Realigning of existing Intake and Outfall Pipeline route and construction of Pipeline Trestle at Coromandel International Limited, Ennore – Clearance requested under Coastal Regulation Zone Notification 2011- requested – Regarding.

Ref: From the Member Secretary, Tamil Nadu State Coastal Zone Management Authority / Director of Environment letter No R.C/P1/1023/2017 dated 13.09.2017.

I am to enclose a copy of the proposal received from the Member Secretary, Tamil Nadu State Coastal Zone Management Authority/Director of Environment together with its enclosures and to state that the Member Secretary, Tamil Nadu State Coastal Zone Management Authority/ Director of Environment has sent the proposal for clearance under Coastal Regulation Zone Notification, 2011 for the facilitation of New Sea Water Intake System and Outfall Pipeline route at Ennore by re-aligning of Existing Intake Facility at Coromandel International Limited, Ennore, proposed by M/s. Coromandel International Limited and he has furnished the following details:-

a) Under the proposal, M/s. Coromandel International Limited (CIL) , Ennore has established a Multi Effect Distillation (MED) unit, in 1995 for their existing fertilizers manufacturing unit at Ennore. The CIL has proposed to set up a direct sea water intake facility from the Ennore Coast for extracting distilled water for the product usage, which is located 100 m inside the sea from the coastline. The applicant has proposed to extract about 280 cub.mts/hour as intake capacity to attain the maximum product water capacity of 65 cub.mts/hour. The temperature of the final out fall water will be nearer to ambient and salinity will be 49ppt, whereas, in the existing operation it is 54ppt. The outfall remains the same allocation, which is about 50mts from the coastline and there will not any change in the approved outfall capacity of 200cub.mts/hour. Further, the

applicant has informed that the existing outfall of ETPS, which is the primary source of seawater for the Coromandel plant will be relocated, as per their Master Plan and hence the applicant has proposed for the construction of individual sea water intake facility to meet MED operations.

b) The District Coastal Zone Management Authority for CMDA areas recommended the project subject to the following specific conditions:

- i) The brine water outfall location shall be based on the dispersion modeling studies as conducted by the Competent Authority.
 - ii) The unit shall provide sensor to monitor the temperature and TDS of the brine outfall pipeline at appropriate location with continuous recording arrangements.
 - iii) The unit shall obtain NOC from Tamil Nadu Pollution Control Board for the project for which CRZ Clearance is sought for when applying to the Tamil Nadu State Coastal Zone Management Authority .
 - iv) The unit shall ensure that their activities shall not affect the regular fishing activities.
 - v) The unit shall comply with the recommendation as suggested in the EMP as conducted by M/s. Cholamandalam MS Risk Services Ltd.,
- c) The project features are falling in CRZ I (B) – inter tidal zone, CRZ-II and CRZ IV. The project cost is Rs.3 Crores. The applicant has not proposed to construct any jetty under this project.

d) As per CRZ Notification 2011, vide para 4 (i) (a) clearance shall be given for any activity within the CRZ only if it requires waterfront and foreshore facilities; Further as per para 8 (i) I CRZ I (ii) (e) and 8(i) II CRZ II (v)., the above activities are permissible activities. However as per para 4 (ii) (d) and (h)., the above activities require clearance from the Ministry of Environment, Forests and Climate Change, Government of India .

e) The subject was placed before the 96th meeting of the Tamil Nadu State Coastal Zone Management Authority held on 08.09.2017 and the Authority resolved to recommend the proposal to the Ministry of Environment, Forests and Climate Change, Government of India, subject to the following specific conditions:-

- i) The brine water outfall location shall be realigned based on the dispersion modeling studies.
- ii) The unit shall obtain NOC from TNPCB for the project.
- iii) Green belt shall be developed based on the soil and climatic conditions in consultation with the Forest Department.
- iv) The unit shall ensure that their activities do not affect the fishing activities of the local communities.
- v) The unit shall implement the CSR activities with the involvement of local bodies and also with local public involvement.
- vi) The unit shall comply with the recommendation as suggested in the EMP as conducted by M/s. Cholamandalam MS Risk Services Ltd.,

2. The Member Secretary, Tamil Nadu State Coastal Zone Management Authority/Director of Environment has sent a copy of proposal along with the reports, HTL map and minutes of the 96th meeting of TNSCZMA held on 13.09.2017 and requested that the proposal may be recommended to Ministry of Environment and Forests and Climate Change, Government of India.

3. In line with the recommendation of the Tamil Nadu State Coastal Zone Management Authority, this Government recommend the proposal of Member Secretary, TNSCZMA/DOE, Chennai for the facilitation of New Sea Water Intake System and Outfall Pipeline route at Ennore by re-aligning of Existing Intake Facility at Coromandel International Limited, Ennore, proposed by M/s. Coromandel International Limited (CIL), Ennore to the Chairman, National Coastal Zone Management Authority, Government of India, Ministry of Environment, Forests and Climate Change, New Delhi for clearance under Coastal Regulation Zone notification 2011, subject to the specific conditions mentioned at para 1 (e) above.

Yours faithfully,

H. Jeyaraj
31.11.17
for Principal Secretary to Government

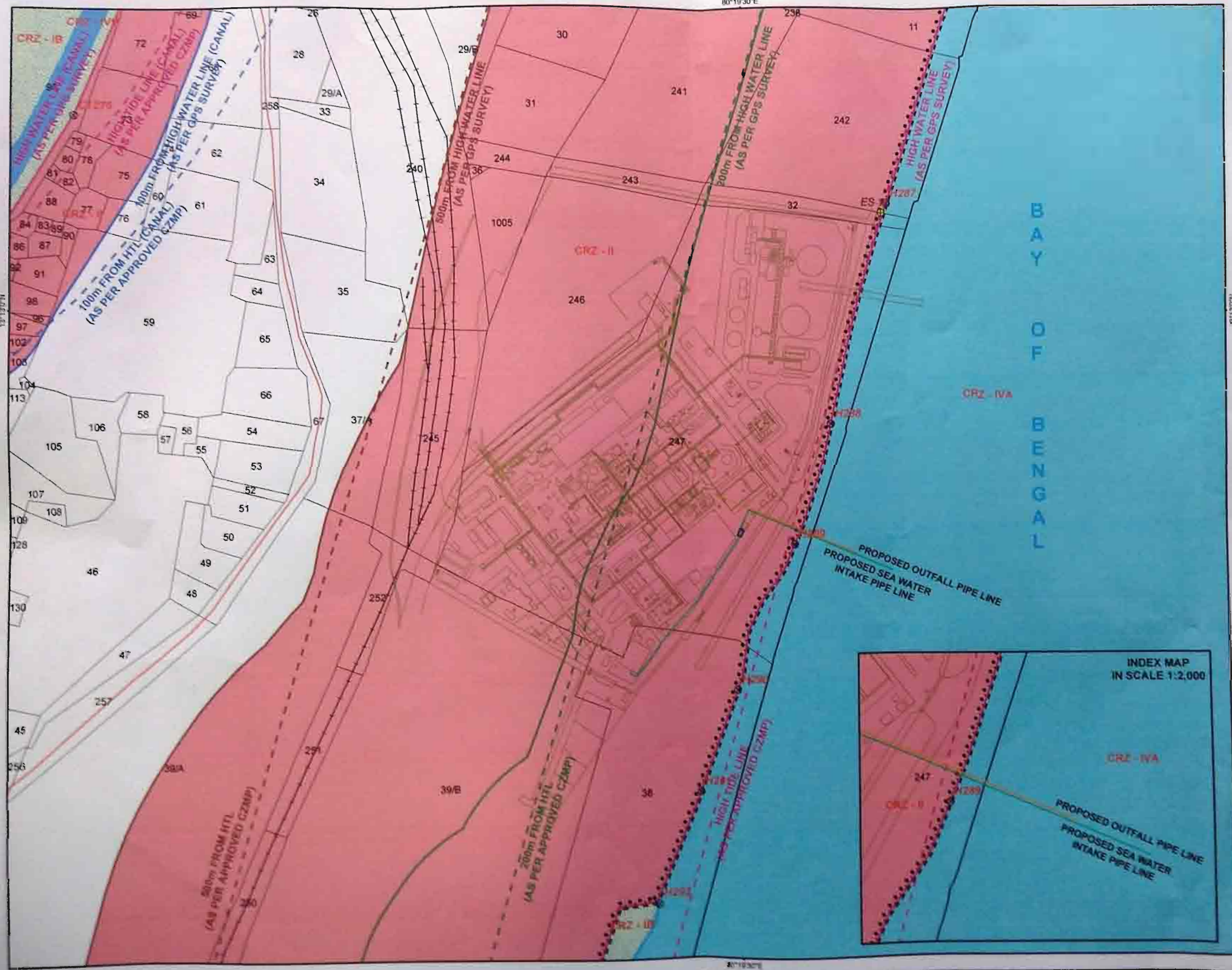
S. S. S.
08.11.17

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Copy to:-

1. The Member Secretary,
Tamil Nadu State Coastal Zone Management Authority /Director of Environment , Chennai – 15.
2. M/s. Cofomandel International Limited,
Post Box No.2, Ennore Express Highway Road,
Chennai -600 057.
(with a request to furnish 20 copies of
the proposal of) Gol, MoEF&CC, New Delhi)
SF/SC.

DEMARCATON OF HIGH TIDE LINE, LOW TIDE LINE AND COASTAL REGULATION ZONE FOR THE PROPOSED REALIGNMENT OF INTAKE AND OUTFALL PIPELINE FACILITY AT COROMANDEL INTERNATIONAL LIMITED AT ENNORE, TIRUVALLUR DISTRICT, TAMIL NADU



LEGEND	
SOURCE : HIGH WATER LINE AND SET BACK LINES (AS PER GPS SURVEY)	
	LOW WATER LINE
	HIGH WATER LINE / HTL(CANAL)
	100m FROM HIGH WATER LINE
	200m FROM HIGH WATER LINE
	500m FROM HIGH WATER LINE
	BOULDERS
	HTL REFERENCE POINT
SOURCE : AS PER APPROVED CZMP	
	HIGH TIDE LINE / HTL (CANAL)
	100m FROM HTL (CANAL)
	200m FROM HTL
	500m FROM HTL
	HTL REFERENCE POINT
SOURCE : CADASTRAL MAPS	
	ROAD
	RAILWAY LINE
	SURVEY BOUNDARY
	VILLAGE BOUNDARY
SOURCE: CLIENT	
	PROJECT SITE DETAILS
	PROPOSED SEA WATER INTAKE PIPE LINE
	PROPOSED OUTFALL PIPE LINE
	PUMP HOUSE

Note:
 1. Superimposition of approved CZMP is subjected to scale and generalisation error
 2. CRZ Zones indicated are as per Guidelines Provided in CRZ Notification 2011, The Zones are Subject to Approval of Appropriate Authority



PREPARED BY
INSTITUTE OF REMOTE SENSING
ANNA UNIVERSITY
CHENNAI - 600 025

REF NO. AUMRSMS/344-2017 DT 31 03,2017

FOR
M/s. CHOLOMANDALAM MS RISK SERVICES LIMITED
 "3rd FLOOR, PARRY HOUSE"
 NO. 2, NSC BOSE ROAD
 CHENNAI - 600 001, INDIA

PREPARED BY	
VERIFIED BY	
APPROVED BY	

Prof. S. S. R.
 Director
 Institute of Remote Sensing,
 Anna University, Chennai-600 025