

**226<sup>th</sup>MEETING OF EXPERT APPRAISAL COMMITTEE FOR PROJECTS RELATED TO COASTAL REGULATION ZONE TO BE HELD ON 23<sup>rd</sup>OCTOBER, 2019.**

**Venue:** Conference Hall (SATLEJ), JAL WING, GROUND FLOOR,  
Ministry of Environment, Forest and Climate Change,  
Indira Paryavaran Bhawan, Jorbagh Road, New Delhi-110003

**Time:** 10.00 AM onwards

*Please check the MoEF&CC website at [parivesh.nic.in](http://parivesh.nic.in)*

**Important Instructions:**

- i). Project Proponents are advised to circulate the requisite documents (including a **brief project summary**) related to their project proposal to the Chairman and Members of the Committee (as per list given below) at least 5 days in advance prior to the date of the meeting.
- ii). In addition, the project proponents are advised to furnish the **project information details (as at Annexure-A), Check List (as at Annexure-B)** and a **Brief project summary** by e-mail, in word format along with a signed and scanned copy of the same to the Member Secretary at: [w.bharat@nic.in](mailto:w.bharat@nic.in), [saranya.p@gov.in](mailto:saranya.p@gov.in) and [mefcc.ia3@gmail.com](mailto:mefcc.ia3@gmail.com) at least 5 working days prior to the meeting. Kindly also indicate the agenda no. in the information thus provided.
- iii). The project proponent shall make a presentation of their proposal as per the agenda item in the meeting of the EAC and shall distribute hard copies of the presentation to all members before the presentation.
- iv). In absence of compliance of the above, the EAC will exercise its discretion not to invite the project proponent in the meeting.
- v). Consultants having no accreditation with Quality Council of India (QCI)/ National Accreditation Board of Education and Training (NABET) according to the MoEF& CC O.M dated 2<sup>nd</sup> December, 2009, shall not be allowed to make presentation before the Committee.
- vi). The e-mail addresses of the Members are: (1)[director@bnhs.org](mailto:director@bnhs.org), (2)[spiderconch@gmail.com](mailto:spiderconch@gmail.com) (3)[cedte@nic.in](mailto:cedte@nic.in) (4)[drvkjain@hotmail.com](mailto:drvkjain@hotmail.com) (5)[mvr@niot.res.in](mailto:mvr@niot.res.in), (6)[ramana2865@gmail.com](mailto:ramana2865@gmail.com) (7)[nawalkishor.verma11@gmail.com](mailto:nawalkishor.verma11@gmail.com) (8)[hota.manoranjana@gmail.com](mailto:hota.manoranjana@gmail.com), (9)[hota\\_m@yahoo.com](mailto:hota_m@yahoo.com) (10)[rishah51@gmail.com](mailto:rishah51@gmail.com) (11)[ageans@gmail.com](mailto:ageans@gmail.com) (12)[prabhakardelhi@yahoo.com](mailto:prabhakardelhi@yahoo.com) (13)[narender@surana.com](mailto:narender@surana.com) (14)[mohanpanwar310@yahoo.in](mailto:mohanpanwar310@yahoo.in) (15)[anuradha.crri@gmail.com](mailto:anuradha.crri@gmail.com) (16)[nkgupta.cpcb@nic.in](mailto:nkgupta.cpcb@nic.in) (17)[durjoy.092@gmail.com](mailto:durjoy.092@gmail.com) (18)[bindu.manghat soi@gov.in](mailto:bindu.manghat soi@gov.in). **Accordingly, a copy of each of these documents shall be forwarded in both Hard and Soft Copies (in Pen drive) to the Member Secretary (CRZ) only, by Speed Post so as to reach well in time. Only Soft copies of the above said documents may be sent by e-mail or in a Pen drive to the Chairman & Other Members of the Expert Appraisal committee.** All the documents including the hard copy of the presentation material should be legible and printed on both sides on ordinary paper. EIA consultant's name and his accreditations should be appeared on first slide of the presentation.
- (vii) **Members of EAC are requested to ensure following guidelines for re-imbursalment of TA/DA: Air-travel should be done from Air India flights only.** In exceptional cases, prior approval of this Ministry should be taken before journey performed on each occasion. **Ex-post facto request in this regard would not be entertained;** Boarding Pass (in original) should be provided, failing which the claim would not be processed; **Air-Ticket should be purchased from Airlines (at Booking counters/office/website of Airlines) or from three authorized Travel Agents viz. M/s Balmer Lawrie & Company Ltd., M/s Ashok & Tours and IRCTC.**

---

*Note: The agenda items listed will be taken up for appraisal only on fulfillment of relevant instructions given above.*

---

## AGENDA

1. Opening remarks of the Chairman.
2. Confirmation of the Minutes of the last meeting of the EAC held on 24<sup>th</sup> September, 2019
3. Consideration of proposals:

<b>FRESH PROPOSAL</b>	
<b>3.1</b>	Proposal for mining of Heavy Minerals in IREL NK Block IV having an area of 40.566 Ha in Alappad&Panmana villages, Karunagapally Taluk, Kollam District, Kerala by <b>M/s IREL(India) Limited</b> - CRZ Clearance [IA/KL/CRZ/115285/2019] [F.No. 11-36/2019-IA III]
<b>3.2</b>	Proposal for Four/Six/Eight laning of Mamallapuram to Mugaiyur Section of NH-332A from 0.000 km to 31,000 km under BharathmalaPariyojana, Phase-I (Package-I) in Kancheepuram District by <b>M/s National Highway Authority of India (NHAI)</b> - CRZ Clearance [IA/TN/CRZ/114515/2019] [F.No. 11-37/2019-IA III]
<b>3.3</b>	Proposal for Four/Six/Eight laning of Mugaiyur to Marakkanam Section of NH-332A from 31,000 km to 62,000 km under BharathmalaPariyojana, Phase-I (Package-II) in Villupuram&Kancheepuram District by <b>M/s National Highway Authority of India (NHAI)</b> - CRZ Clearance [IA/TN/CRZ/114472/2019] [F.No. 11-17/2019-IA III]
<b>3.4</b>	Proposal for construction of 1.80m High Compound Wall at Little Andaman Lighthouse by <b>M/s Directorate of Light House and Lightship</b> -CRZ Clearance [IA/AN/CRZ/103048/2019] [F.No. 11-38/2019-IA III]
<b>3.5</b>	Proposal for construction of Lidar based offshore structure for wind measurement at Zone C1 (Dhanuskodi coast) & C2 (Valinokkam coast) in Gulf of Mannar, District Ramanathapuram, Tamil Nadu by <b>M/s National Institute of Wind Energy, Ministry of New and Renewable Energy, Govt. of India</b> – CRZ Clearance [IA/TN/CRZ/119895/2019] [F.No. 11-39/2019-IA III]
<b>3.6</b>	Proposal for container Transit Terminal at S.F.No.1/3B3, Pulicat Road, Kattupalli Village, Tiruvallur District, Tamil Nadu by <b>M/s Apollo World Connect Limited, Chennai</b> - CRZ Clearance [IA/TN/CRZ/117719/2019] [F.No. 11-35/2019-IA III]
<b>3.7</b>	Proposal for construction of Home Stay Building owned by Smt. RenjiHaridas& Smt. Manju Mohan, Sreepadmam, SNRA-37, Pazhaveedu, P.O. Alappuzha, Kerala by <b>M/s RenjiHaridas and Smt. Manju Mohan</b> - CRZ Clearance [IA/KL/CRZ/119649/2019] [F.No. 11-09/2019-IA III]
<b>RECONSIDERATION</b>	
<b>3.8</b>	Proposal for Establishing 15 MLD Capacity Desalination Plant at S.No.817/1,817/2, Mullakadu Part-I, Village, Thoothukudi Taluk, Thoothukudi District by <b>M/s South Water Alliance (P) Ltd., Chennai</b> - CRZ Clearance [IA/TN/CRZ/113559] [F.No.11-27/2019-IA.III]

<b>3.9</b>	Proposal for construction of Golf Course and Beach Resort Resort Project at Sy.No.1/P1, 1/P2,1/P3,51/P1 of Bengre Village, Mangaluri Taluk, Dakshina Kannada, Karnataka by <b>M/s Opus Laguna Gold and Resorts Pvt. Ltd.</b> -CRZ Clearance [IA/KA/MIS/72738/2018] [F.No.11-12/2018-IA.III]
<b>AMENDMENT &amp; EXTENSION OF VALIDITY OF CRZ CLEARANCE</b>	
<b>3.10</b>	Proposal for laying of crude oil pipeline project from Ennore Port to M/s CPCL along the NCTPCL compound wall, Tamil Nadu by <b>M/s IMC Limited</b> – Amendment & Extension of validity of CRZ Clearance( <i>Tentative</i> ) [F.No. 11-31/2009-IA.III]
<b>4.0</b>	Any other item with the permission of the Chair.

\*\*\*

### **List of the Members:**

1. Dr. Deepak ArunApte, (Chairman-EAC), Director, Bombay Natural History Society (BNHS), S.B. Singh Road, Mumbai (Maharashtra);  
E-mail: [director@bnhs.org](mailto:director@bnhs.org), [spiderconch@gmail.com](mailto:spiderconch@gmail.com)
2. Dr. V.K Jain, Professor of Chemistry, School of Sciences, Gujarat University, C-101, Pruthvi Tower Jodhpur Gam Road Satellite, Ahmedabad - 380 015 (Gujarat); E-mail: [drvkjain@hotmail.com](mailto:drvkjain@hotmail.com)
3. Dr. M.V. Ramana Murthy, Project Director, National Institute of Ocean Technology, Velachery – Tambaram Main Road, Narayanapuram, Palikaranai, Chennai - 600 100 (Tamil Nadu) ; E-mail: [mvr@niot.res.in](mailto:mvr@niot.res.in), [ramana2865@gmail.com](mailto:ramana2865@gmail.com)
4. Dr. N.K Verma, Former AD, CPCB, 602, SkytechMagadh, Vaishali, sector 3, Ghaziabad (U.P.); E-mail: [nawalkishor.verma11@gmail.com](mailto:nawalkishor.verma11@gmail.com)
5. Dr. Manoranjan Hota, Former Adviser/Scientist G, K-184, Gulshan Ikebana, Ikebana, Sector-143, Noida, Gautam Budh Nagar, Uttar Pradesh-201301; E-mail: [hota\\_m@yahoo.com](mailto:hota_m@yahoo.com), [hota.manoranjan@gmail.com](mailto:hota.manoranjan@gmail.com).
6. Dr. Anil Kumar Singh, IFS (Retd), Ex PCCF Assam, Tower F, Flat No. 103 Grand Anjara Heritage, Sector-74 Noida (UP); E-mail: [ageans@gmail.com](mailto:ageans@gmail.com)
7. Shri Rajesh I. Shah, Founder and Managing Director, Saline Area Vatalisation Enterprise (SAVE) Limited, Vikas Centre for Development Ishavasyam, Opp:- Lajpat Nagar, Eashita Towers Road, Navjeevan, Ahmedabad-380014, Gujarat E-Mail: [rishah@gmail.com](mailto:rishah@gmail.com)
8. Shri Prabhakar Singh, Special DG, CPWD, Delhi Region, Res- Flat No. C-4, Tower No. 8 , New MotiBagh, New Delhi - 110 023; E-mail: [prabhakardelhi@yahoo.com](mailto:prabhakardelhi@yahoo.com)
9. Shri Narendra Surana, Managing Director, Bhagyanagar India Limited and Surana, Telecommunication and Power Limited, 5th Floor, Surya Towers, Sardar Patel Road, Sikandarabad - 500 003 (AP); E-mail: [narender@surana.com](mailto:narender@surana.com)
10. Dr. Mohan Singh Panwar, Associate Professor, Deptt. of Geography (School of Earth Science), H.N.B. Garhwal Central University, Srinagar, Garhwal - 246 174 (Uttarakhand); E-mail: [mohanpanwar310@yahoo.in](mailto:mohanpanwar310@yahoo.in)
11. Dr. Anuradha Shukla, Member (EAC), Central Road Research Institute (CRRI), CRRI, Mathura Road, New Delhi - 110 025; E-mail: [anuradha.crri@gmail.com](mailto:anuradha.crri@gmail.com)
12. Shri N.K. Gupta, Member (EAC), Scientist E & In-charge (ESS), Central Pollution Control Board, Parivesh Bhawan, CBD-Cum Office Complex, East Arjun Nagar, Delhi -110 032; E-mail: [nkgupta.cpcb@nic.in](mailto:nkgupta.cpcb@nic.in)
13. Shri Sanjay Singh, Director, Ministry of Water Resources, Central Water Commission, Sewa Bhawan, Sector-1, R.K. Puram, New Delhi-110066, E-mail: [cedte@nic.in](mailto:cedte@nic.in)
14. Smt. Bindu Manghat, Director, Survey of India, Western Printing Group, Palam, New Delhi-110010, E-Mail: [bindu.manghat.soi@gov.in](mailto:bindu.manghat.soi@gov.in)
15. Shri W. Bharat Singh, Member Secretary (EAC), Scientist F/Director, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, 2nd Floor, Jal Wing, Jor Bagh Road, Aliganj, New Delhi-3. E-mail: [w.bharat@nic.in](mailto:w.bharat@nic.in)

**[Please Send hard copy of documents along with Soft Copy (in Pen Drive) prior to Commencement of EAC]**

### **Instruction for project proponents**

All the documents such as Form-1, Pre-feasibility report, approval from the concerned State/UT Coastal Zone Management Authorities, Environment Impact Assessment Report, queries subsequently raised by the Ministry, if any, and para-wise comments thereto etc., in accordance with Coastal Regulation Zone (CRZ) Notification, 2011 are required to be forwarded to the Chairman/Members of the Expert Appraisal Committee and MoEFCC including details of the court matters/Orders of the Court pertaining to the project (if any). Accordingly, a copy of each of these documents - Hard and Soft Copies (in CD) shall be forwarded to the Chairman/members of the Expert Appraisal Committee and MoEFCC by speed post so as to reach the members well in time. Names and addresses of the Chairman/Members are enclosed. All the documents including the hard copy of the presentation material should be legible and printed on both sides on ordinary paper.

2. Project Proponent shall strictly avoid delivery of documents by hand and seeking meeting with Chairman/Members in this regard.

3. It may be ensured that the Members of the EAC receive the requisite documents pertaining to the projects, one week prior to the meeting positively. In case the members of the **Expert Appraisal Committee and MoEFCC do not receive the documents in time, the Committee will exercise its right not to consider the project for appraisal.**

4. Further, the project proponent or his/her authorized representative, who is empowered to take a decision on matters required for appraisal of the project should invariably attend the meeting of EAC.

5. Any changes/modification with respect to the Agenda, Venue etc., would be indicated in the Ministry's website. You are also requested to keep track of the status of your project from the Ministry/s Website i.e., **parivesh.nic.in**

6. **A Project Information details/fact sheet (Annexure- A) shall be dully filled and signed by the authorised signatory and submitted along with Check List as per Annexure- B.**

7. A line in confirmation regarding participation of your representative in the meeting will be appreciated. It may be noted that only the EIA Coordinator who has already been accredited with Quality Council of India and whose name is in the list as issued on 05<sup>th</sup> October, 2013 by this Ministry can accompany the project proponent in the meeting.

\*\*\*

**PROJECT INFORMATION DETAILS**

S. N	Particulars		Remarks
1.	Name of the Applicant, Address and Contact details (Telephone nos. and e-mail address)		To be provided
2.	Project Location	Survey No. / Village /Co-ordinates	
		District	
		State	
		CRZ classification of project location	(if project site falls in different CRZ categories the same may also be elaborated)
3.	<p>Description of the project under consideration (select the type of project):</p> <p>a). Resort / Buildings / civic amenities</p> <ul style="list-style-type: none"> <li>• total area/Built-up area</li> <li>• height of structure</li> <li>• FSI ratio and the governing town planning rules/ regulations</li> <li>• Details of provision of car parking area</li> </ul> <p>b). Coastal Roads / Roads on Stilt</p> <ul style="list-style-type: none"> <li>• area of land reclamation</li> <li>• estimated quantity of muck/earth for reclamation</li> <li>• carrying capacity of traffic</li> </ul> <p>c). Pipelines from thermal power blow down</p> <ul style="list-style-type: none"> <li>• length of pipeline</li> <li>• length traversing CRZ area</li> <li>• depth and with of excavation</li> <li>• length of pipeline from seashore to deep sea</li> <li>• depth of outfall point from surface of sea water</li> <li>• temperature of effluent above ambient at disposal point</li> </ul> <p>d). Marine Disposal of Treated Effluent</p> <ul style="list-style-type: none"> <li>• location of intake/ outfall</li> <li>• Depth of outfall point</li> <li>• length of pipeline</li> <li>• length traversing CRZ area</li> <li>• depth and with of excavation</li> <li>• length of pipeline from shore to deep sea/creek</li> <li>• depth of outfall point from surface of water</li> <li>• depth of water at disposal point</li> <li>• BOD, COD, TSS, Oil &amp; Grease, heavy metals</li> </ul> <p>e). Facility for storage of goods/chemicals</p> <ul style="list-style-type: none"> <li>• name and type of chemical</li> <li>• end use of the chemical</li> <li>• no. of tanks for storage and their capacities</li> </ul> <p>f). Offshore structures</p> <ul style="list-style-type: none"> <li>• exploration or Development</li> <li>• depth of sea bed</li> </ul>		Summary details to be provided.

	<ul style="list-style-type: none"> <li>• no. of rigs/platform</li> <li>• details of Group Gathering Stations</li> </ul> <p>g). Desalination Plant</p> <ul style="list-style-type: none"> <li>• capacity</li> <li>• total brine generation</li> <li>• temperature of effluent above ambient at disposal point</li> <li>• ambient salinity</li> </ul> <p>h). Mining of rare earth/atomic minerals</p> <ul style="list-style-type: none"> <li>• capacity, volume/area to be mined</li> <li>• type of mineral to be extracted</li> <li>• end use of the mineral</li> </ul> <p>i). Sewage Treatment Plants</p> <ul style="list-style-type: none"> <li>• capacity</li> <li>• total area of construction</li> <li>• Compliance of effluent parameters as laid down by CPCB/SPCB/other authorised agency</li> </ul> <p>If discharge is in sea water/creek</p> <ul style="list-style-type: none"> <li>• distance of marine outfall point from shore/from the tidal river bank</li> <li>• depth of outfall point from sea water/river water surface</li> <li>• depth of seabed/riverbed at outfall point</li> </ul> <p>j). Lighthouse</p> <ul style="list-style-type: none"> <li>• total area of construction</li> <li>• height of the structure</li> </ul> <p>k). Wind Mills</p> <ul style="list-style-type: none"> <li>• capacity (MW)</li> <li>• height of the structure</li> <li>• diameter</li> <li>• length of blade</li> <li>• speed of rotation</li> <li>• transmission lines (overhead or underground)</li> </ul> <p>l). Others (please specify with salient features)</p>	
4.	Clause of CRZ notification under which the project is a permissible/ regulated activity	
5.	<p>a) CRZ map indicating HTL, LTL demarcation in 1:4000 scale prepared</p> <p>b) Project layout superimposed on CRZ map 1:4000 scale</p> <p>c) Distance of project (in meters) from HTL to be stated</p>	(Yes/No)
6.	CRZ map 1:25000 scale covering 7 km radius around project site prepared	(Yes/No)
7.	CRZ map indicating CRZ-I, II, III and IV including other notified ESAs prepared (Yes/No)	
8.	<p>Project located in (Select type)</p> <p>(a) Non eroding coast</p> <p>(b) Low and medium eroding coast</p> <p>(c) High eroding coast</p>	
9.	Details of forest/ Mangroves land involved, if any	
10.	Details of tree cutting (if applicable)	

11.	Distance of proposed project from ESA/marine park (if any)	
12.	NOC from State/UT Pollution Control Boards obtained (Yes/No)	Copy of NOC to be provided and conditions imposed to be stated.
13.	<ul style="list-style-type: none"> <li>• EIA (Terrestrial) studies: carried out/not carried out</li> <li>• EIA (Marine) studies: carried out/not carried out [State period of study] (as applicable)</li> </ul>	Summary details to be provided/uploaded including recommendation made in EIAs
14.	Disaster Management Plan / National Oil Spill Disaster Contingency Plan (if applicable)	Brief details
15.	Project involving discharge of liquid effluents: <ul style="list-style-type: none"> <li>• Capacity of STP</li> <li>• Quantity of effluent generated/treated</li> <li>• Method of treatment &amp; disposal</li> </ul>	
16.	Project involving discharge of solid waste: <ul style="list-style-type: none"> <li>• Quantity of solid waste generated/type of waste</li> <li>• Method of disposal</li> </ul>	
17.	Water requirement (KLD) and its source (including commitment of water supply)	
18.	Details of water treatment and recycling (if any)	
19.	Details of rainwater harvesting system	
20.	Ground water withdrawal approval from CGWA or authorised body, if applicable	
21.	Energy requirement and sources	
22.	Energy efficiency measures	
23.	Recommendation of State Coastal Zone Management Authority (SCZMA)	Copy of CZMA recommendation to be provided and conditions imposed to be stated.
24.	Whether proposal attracts EIA Notification, 2006. (if yes, the category thereof) Status of proposal for EC (as applicable)	Yes / No
25.	Cost of the project (Rs in Crores)	
26.	Social and environmental issues and mitigations measures suggested including but not limited to R&R, Water, Air, Ecological aspects, Solid & Hazardous Wastes, etc.	Brief details to be provided
27.	Benefits of the project	
28.	Employment likely to be generated (Nos.)	
29.	Details of Court cases, if any: pending / disposed	



30.	Additional information, if any	
-----	--------------------------------	--

It is certified that the information given above are true to the best of my knowledge and belief and nothing contravening the provisions of CRZ Notification, 2011 has been concealed therefore.

Date:

Place:

**(Signature)**

Name:

Designation:

Organisation:

### Check list for CRZ Clearance

1. Proposal
2. Location
3. Project brief: nature of proposal (new/expansion,) total area- land use, project components, connectivity to the site etc,
4. Cost of the project
5. Whether the project is in Critically Polluted area
6. **If the project is for EC under EIA Notification, 2006**
  - a) **For the first time appraisal by EAC**
    - (i) Date of ToR:
    - (ii) Date of Public Hearing, location
    - (iii) Major issues raised during PH and response of PP
  - b) **Second appraisal**
    - (i) Date of first /earlier appraisal
    - (ii) Details of the information sought by the EAC with the response of the PP
7. **If the project is in CRZ area,**
  - (i) Components in CRZ area
  - (ii) recommendation of Coastal Zone Management Authority,
  - (iii) layout on CRZ map of 1: 4000 scale prepared by an authorised agency
8. **If the project involves diversion of forest land**
  - (i) extend of the forest land
  - (ii) status of forest clearance
9. **If the project falls within 10 km of eco- sensitive area**
  - (i) Name of eco- sensitive area and distance from the project site,
  - (ii) status of clearance from National Board for wild life
10. **Waste Management**
  - (i) Water requirement, source, status of clearance
  - (ii) Waste water quantity, treatment capacity, detail
  - (iii) Recycling / reuse of treated water and disposal
  - (iv) Solid Waste Management
  - (v) Hazardous Waste Management
11. **Other details**
  - (i) Noise Modelling with noise control measures for airports
  - (ii) details of water bodies, impact on drainage, if any
  - (iii) Details of tree cutting
  - (iv) Energy conservation measures with estimated saving
  - (v) Green belt development (20 % of construction projects and 33 % for others)
  - (vi) Parking requirement with provision made
12. **If the project involves foreshore facilities**
  - (i) Shoreline study
  - (ii) Dredging details, disposal of dredge material
  - (iii) Reclamation
  - (iv) Cargo handling with dust control measures
  - (v) Oil Spill Contingent Management Plan
- (vi) **If the project involves Marine disposal**
  - (i) NOC from PCB in case of marine disposal
  - (ii) details of modelling study – details of outfall diffusers, number of dilution expected, distance at which the outlet will reach ambient parameters
  - (iii) location of intake / outfall. Quantity,
  - (iv) detail of monitoring at outfall

- (v) Any other **relevant** information :
- (vi) Investment/Cost of the project is Rs.....(in crore).
- (vii) Employment potential.....
- (viii) Benefits of the project .....