

MINUTES OF THE 173rd MEETING OF EXPERT APPRAISAL COMMITTEE FOR PROJECTS RELATED TO COASTAL REGULATION ZONE HELD ON 24th JULY, 2017 AT INDIRA PARYAVARAN BHAWAN, MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE, NEW DELHI

The 173rd Meeting of the Expert Appraisal Committee for projects related to coastal regulation zone was held on 24.07.2017 at Narmada Hall, Indira Paryavaran Bhawan, New Delhi. The members present were:

1. Dr. Deepak Arun Apte - Chairman
2. Shri. Sharad Chandra - Member
3. Shri. Arvind Kumar Nautiyal - Member Secretary

Dr. S.W.A Naqvi and Shri N.K Gupta were absent. Dr. S.G Bhawe and Dr. Anuradha Shukla had communicated his inability to attend on medical ground.

Also in attendance: Shri W. Bharat Singh, Joint Director, MoEFCC; Dr. Bhawana Kapkoti Negi, Technical Officer, MoEFCC; Mrs Gurpreet Kaur Oberoi, Legal Assistance and Ms. Sandhya Raghav, Legal Assistance, MoEFCC. The deliberations held and the decisions taken are as under:

1.0 CONFIRMATION OF THE MINUTES OF THE LAST MEETING.

The Committee was informed of an inadvertent error in the minutes of the minutes of the 172nd Meeting on the proposal for laying of Pipeline for transfer of edible Oils from Chennai Port to Storage terminal tank and establishment of storage Transit Terminal at old S.No.4061 and new S.No. 4061/A & 4061/2 in Ennore Express way in Tondiarpet Village, in Chennai by M/s KTV Health Food Private Limited. It was pointed out that whereas the pipeline is to be laid along the Buckingham Canal a condition has been recommended which states that the pipeline shall be laid on trestles to minimise impact on sea bed and aquatic life. The Committee noted the error and recommended that the same shall be deleted.

The Committee having noted that there being no other comments, confirmed the minutes of the 172nd meeting.

2.0 CONSIDERATION OF PROPOSALS:

2.1 "Shifting of EHVT lines for the proposed Navi Mumbai International Airport" Mumbai, Maharashtra by City and Industrial Development Corporation of Maharashtra Limited (CIDCO)– CRZ Clearance [F.No.11-38/2016-IA-III] reg.

The Chairman decided that Shri Sharad Chandra, Member, shall Chair the instant proposal considering that it may be an issue of conflict of interest since BNHS, for which he is the Director is undertaking studies for CIDCO on birds.

The proposal for "Shifting of EHVT lines for the proposed Navi Mumbai International Airport" Mumbai, Maharashtra by City and Industrial Development Corporation of Maharashtra Limited (CIDCO) was first considered in the 165th meeting of EAC held in January, 2017. In the said 165th meeting the project proponent had made a presentation and provided the following information:

- i) The project involves shifting of Extra High Voltage Transmission (EHVT) lines for the proposed Navi Mumbai International Airport in Navi Mumbai (Maharashtra) promoted. The proposal is to shift the existing EHVT lines by underground cables along the boundary of the airport and terminate both the ends to the existing overhead lines outside the airport area by installing terminal gantry. These lines belong to Maharashtra State Electricity Transmission Company Ltd. (MSETCL) and Tata Power Ltd. (TPL).
- ii) The proposed transmission lines will pass through some areas of CRZ-I, II and III. The total CRZ area involved is 13.17 ha consisting of 10.79 ha in CRZ-I, 2.08 ha in CRZ-II; and 0.3 ha in CRZ-III respectively. Out these about 2.65 ha falls in mangroves area.
- iii) The underground cables of MSETCL traversing over a distance of 15 Km would be passing through underground ducts, stilts and bridge as follows:
 - Underground ducts: 11.38 Km
 - On Stilts: 2.2 Km (1.7 Km + 0.5 km)
 - On Bridge: 1.42 Km (1.3 Km + 0.12 km)
- iv) The underground cables of TPL of 9.5 Km length would be passing through:
 - Underground ducts: 7.14 km
 - On Stilts: 1.7 Km
 - On Bridge: 0.66 Km
- v) Details of the underground cables of combined MSETCL & Tata Power lines are as follows:
 - Along road: Duct length (11.5m wide road- 11 km & Airport periphery road- 7.7 km), Duct width- 2 m
 - On stilt: Length – 2.2 km, Deck width- 25.3 m, Duct width- 2 m
 - On bridge: Length – 2.08 km, Deck width- 13.2 m, Duct width- 2 m
- vi) The foundation work of stilt will require some dredging but it is very negligible.
- vii) **Water Requirement:** Domestic water requirement will be 3 KLD /day (Flushing 4 KLD/day). Total water requirement will be 7 KLD/day. The water will be sourced through CIDCO.
- viii) **SCZMA Approval:** The Maharashtra Coastal Zone Management Authority (MCZMA) recommended the project vide their letter No. CRZ-2016/CR-152/TC 4 dated 27th September, 2016.
- ix) **MSW:** The debris generated from the construction activities will be reused and remaining waste will be handed over to authorized vendor for further disposal.
- x) **Investment/Cost of the project:** Cost of the project: Rs. 1560.87 Crores.
- xi) **Benefits of the project:** Re-routing of EHVT lines will enable the development of the proposed international airport activities and make it operation safe.
- xii) **Employment potential:** Generation of employment opportunity will be provided to local people. 150 workers during construction.

2. In the said 165th meeting, the Committee had deferred from taking a decision on the proposal for want of following information:

- Compliance status from the Regional Office of MoEF&CC on the conditions stipulated in the EC dated 22nd November, 2010 for the MMIA.
- Details on diversion of forest land and the compensatory afforestation of the mangroves.
- Permission required, if any, from the Power Discoms for shifting of EHVT lines.
- Parawise response on the issues raised in the representation referred above.

3. On submission of the clarifications sought, the proposal has been placed in the 173rd meeting held on July 24, 2016. The Joint Managing Director of CIDCO along with her team was present in the meeting. She explained that the Environmental Clearance (EC) accorded to the Navi Mumbai International Airport (NMIA) has specifically mentioned that EC is only for NMIA project and CIDCO shall obtain Environmental and CRZ clearances separately for all other facilities.

4. The Committee noted the reply made by the project proponent to the observations of Coastal Action Network (an NGO) and the observations now made by the NGO on the reply furnished by the project proponent. The observations made by the NGO was discussed and it was decided that the project proponent shall submit written submissions to the clarifications stated in the meeting and also send its reply to the NGO. The Committee also perused through the written documents made available from Discom in so far as shifting of EHVT lines are concerned.

5. Regarding diversion of mangrove (forests) it was observed that a linear stretch of mangrove patch of about 2.65 ha will be involved. It was also noted that even though the mangrove patch are in land belonging to CIDCO, the same will require diversion under Forest (Conservation) Act and the project proponent shall obtain the same in accordance with law. In addition, the Committee decided that the project proponent shall prepare a time bound action plan for development of three times the area of mangrove to be diverted, in consultation with Mangrove Foundation of Maharashtra and submit the same to the regional office of the Ministry and the MCZMA.

6. Based on the clarifications provided by the project proponent and deliberations made the Committee recommended the proposal for CRZ clearance subject to the following specific condition:

- i) Prior approval for diversion of forest land (mangrove) as applicable shall be obtained before commencement of work;
- ii) The project proponent shall develop three times the mangroves proposed to be diverted by the project proponent. The mangrove conservation and development plan will be prepared in consultation with Mangrove Foundation of Maharashtra and submit the same to the regional office of MoEF&CC and MCZMA. The progress of growth and survival of mangroves thereof after implementation shall be submitted regularly to the agencies mentioned.
- iii) A 2% of the cost of the project shall be apportioned for marine and coastal biodiversity protection and conservation measures, to be spent by the project

proponent towards fulfilling its Corporate Environmental Responsibility (CER) during the currency of the project. Proper record and account of measures taken should be maintained and should also be submitted to the CZMA every six months.

- iv) Permission from High Court of Bombay shall be obtained as applicable. Before commencement of work.

2.2 Laying of Conveying Main and Distribution Line across Buckingham Canal (CRZII), Ennore Creek (CRZ I) and parallel to Buckingham Canal Road (CRZ II) for supply of permeate water from the proposed 45MLD TTRO Plant at Kodungaiyur, Chennai, Tamil Nadu by M/s Chennai Metropolitan Water Supply And Sewerage Board, Chennai – CRZ Clearance [F.No.11-23/2016-IA-III]reg.

The proposal of M/s Chennai Metropolitan Water Supply and Sewerage Board is for 'Laying of Conveying Mains (Pipes) along the berm of Buckingham Canal Road and crossing over the bridge along Ennore Creek for supply of permeate water from the proposed 45 MLD TTRO Plant at Kodungaiyur, Chennai to industries and for discharge of 18.6 MLD rejects into the Buckingham Canal. It was earlier considered by the Expert Appraisal Committee (EAC) in the Ministry for Infrastructure Development, Coastal Regulation Zone, Building/ Construction and Miscellaneous projects, in its 162nd meeting of EAC held on 29th August, 2016, wherein, the project was deferred due to below mentioned reasons:

- i) Title of the project is quite confusing and does not reflect the actual project and the core components involved therein.
- ii) In accordance with the provisions contained in para 4 (ii) of the CRZ Notification, 2011, the project proponent were required to submit certain documents, including the no objection certificate from the concerned State Pollution Control Board, to the concerned SCZMA. The authority was required to examine all these documents in accordance with the approved CZMP and in compliance with the said notification and then to make recommendations to this Ministry for consideration. There being no such documents/certification available on record, the Committee decided to refer the matter to SCZMA for reconsideration.
- iii) The proposal involving discharge of rejects to Buckingham Canal, needs to be examined vis-a-vis the National Water Policy 2012, which focuses on water conservation practices. These are to be explored first based on cost benefit analysis and other techno-economic consideration.
- iv) Since the proposal involves discharge of rejects from the TTRO to the Buckingham Canal, the project proponent needs to obtain consent to establish under the Water Act, 1974 from the SPCB for the 45 mld TTRO plant.

2. The project proponent had made a presentation in the said 162nd meeting of EAC held on 29th August, 2016 and had provided the following information.

- i) The project involves construction of 45 MLD capacity TTRO Plant at Kodungaiyur for discharge of reject to Buckingham Canal, laying of conveying main along berm of Buckingham Canal and conveying main crossing over pipe carrying bridge along Ennore Creek.
- ii) Total area of TTRO plant will be 28,340 sq.m. The project area comes under Institutional zone.
- iii) Components in CRZ area: Laying of conveying main and distribution line across Buckingham canal (CRZ-II), Ennore Creek (CRZ-I) and parallel to Buckingham canal road (CRZ-II) for supply of 45 MLD permeate water from TTRO plant at Kodungaiyur. The conveying main will be of 28.5 km length.
- iv) Tamil Nadu Coastal Management Authority (TNCZMA) has recommended the project vide their letter No.3736/EC.3/2016-2 dated 23rd May, 2016.
- v) Demarcation of High Tide Line/Low Tide Line was done by Institute of Remote Sensing, Anna University, Chennai.
- vi) Hazardous wastes shall be sent to Tamil Nadu Pollution Control Board approved recyclers.
- vii) Green belt of 4300 sq.m is proposed to be developed around the project site
- viii) Municipal solid waste generated disposal facility: The sludge disposed from STP will be utilized for Agriculture and gardening as manure.
- ix) Total water requirement and its source: Water for domestic purpose will be provided by CMWSSB.
- x) Waste water generation, treatment and disposal: 15 MLD of TTRO rejects blended with 135 MLD of secondary treated sewage will be disposed into Buckingham Canal. Eco-Sensitive Zone in 10 km radius area: Nil within 10 km radius.
- xi) There is no Forest land involved.
- xii) Investment/Cost of the project: Rs.255 Crores
- xiii) RWH: Rainwater Harvesting is proposed.
- xiv) Energy efficient pumps will be used for energy saving.
- xv) Power requirement and source: 4270 kW will be sourced from Tamil Nadu Generation and Distribution Corporation Limited (TANGEDCO).
- xvi) National Park/ Wild Life Sanctuary in 10 km radius area: Nil within 10 km radius.
- xvii) Reduction of fresh water consumption by industries and more fresh water shall be made available for potable use in the city.
- xviii) The project will also be able to meet the industries increasing fresh water demands in future.
- xix) Employment will be given to local people. 100 persons will be employed during peak period and an average of 50 persons in normal period.

3. *The EAC (CRZ) in the said 162nd meeting held on 29th August, 2016 had also desired that the SCZMA may examine the proposal in its entirety after examining all the required documents. Subsequently, the TNCZMA has appraised afresh and vide its letter No. 81/EC.3/2017-1, dated 09.01.2017 has recommended the proposal with few specific conditions.*

4. The matter was therefore referred again to the Committee i.e EAC (CRZ) for its reconsideration in the 173rd meeting. The Committee noted the explanation on the observations of the last meeting held on 29.08.2016 made by the Committee. The

Committee also noted that water supplied to the industries presently will be diverted for drinking purpose and the industries will be supplied treated sewage water, which is a welcome move. The Committee further noted that no mangrove will be impacted due to the proposed project. Having observed that the proposal is in the interest of conservation of water and the city of Chennai requires such proposal, the Committee recommended the proposal for CRZ clearance subject to the following conditions:

- i) Conditions stipulated in the letter no. 81/EC.3/2017-1, dated 09.01.2017 issued by the Principal Secretary, Department of Environment & Forest (EC-3) shall be implemented in letter and spirit;
- ii) It shall be ensured that system for detecting leakages along the pipeline shall be installed and regularly monitored through an independent agency. The results of monitoring shall be regularly submitted to the PCB and the regional office of Ministry.
- iii) A 2% of the cost of the project shall be apportioned for marine and coastal biodiversity protection and conservation measures, to be spent by the project proponent towards fulfilling its Corporate Environmental Responsibility (CER) during the currency of the project. Proper record and account of measures taken should be maintained and should also be submitted to the CZMA every six months.
- iv) The project proponent shall ensure that any adverse potential impacts due to the proposed activity on the marine/creek environment during construction and operational phases on the marine environment/Buckingham Canal is managed through a robust marine environment management plan (MEMP) and implemented in letter and spirit.

2.3 Proposed Construction of Beach Resort (MRG Resort) R.S. No. 205/4, Manapet Revenue Village, Bahour Commune Panchayat, Puducherry by M/s Trishul Buildtech and Infrastructures Pvt. Ltd – CRZ Clearance [F.No.11-35/2016-IA-III] reg.

The proposal for construction of a Beach Resort (MRG Resort) R.S. No. 205/4, Manapet Revenue Village, Bahour Commune Panchayat, Puducherry by M/s Trishul Buildtech and Infrastructures Pvt Ltd was first considered in the 165th meeting of EAC held in January, 2017, wherein, the project proponent had made a presentation and provided the following information:

- i) The project involves construction of Beach Resort at R.S. Nos.205/4, Manapet Revenue village, Bahour Commune Panchayat in Puducherry.
- ii) The total plot area of 66773.19 sqm, built up area will be 17957.18 sqm. The proposal involves construction of 35 nos of villa block, guest rooms, spa, Ball room and pre function area, arrival court, Business centre and all day dining, BOH and staff quarters. The proposal involves G+1floors within CRZ region and G+ 5 Floors outside CRZ region. The maximum building height will be 6 m.
- iii) The cost of the project cost is Rs.20 Crores.
- iv) Components in CRZ area: Development zone (area 200 – 500 m of HTL) is 36170 sq.m and No Development Zone (NDZ) area is (0-200m of HTL) 19424 sqm.
- v) The Puducherry Coastal Zone Management Authority has recommended the project vide letter dated 18 July, 2016.

- vi) Waste Management: 167 KLD of which fresh water is 108 KLD which will be sourced from authorised private tankers. Quantity of sewage generated is 151 KLD which will be treated in STP of designed capacity of 160 KLD. The treated sewage is 151 KLD of which 59 KLD is to be used for flushing and 92 KLD for gardening.
- vii) Solid waste Management: The organic waste, 1076 Kg/day will be treated in Biometanation plant. Inorganic waste of 1315 kg/day is to be disposed to authorized recyclers. STP sludge 45 kg/day is to be used as manure for Gardening and Landscaping purpose.
- viii) The total power requirement for the project is 500 kVA which will be sourced from EB and Power back up through DG sets is 2 x 250 KVA.
- ix) Energy conservation measures propose: Solar panels proposed on roof top for all villas - power generated 513.45 kVA. Solar panels for guest rooms - power generated - 47.25kVA.
- x) Green belt development: Proposed in No development area.
- xi) Parking requirement with provision made: 200 Nos. of car.
- xii) Employment potential: The proposal is for beach Resort and will provide employment in the nearby areas.

2. During the course of the deliberations of the project, the EAC in the said 165th meeting had observed that there is a mismatch of details in respect of location of project site as reflected in the Form-I and those mentioned in the proposal forwarded by the Puducherry CZMA. The project proponent was therefore asked to rectify the same either on their own or through the Puducherry CZMA for further consideration of the proposal. Accordingly, the proposal was deferred in the said meeting for re-consideration at a later stage.

3. On submission of the above, the proposal has been placed for reconsideration in the 173rd meeting. The Committee noted that the proposed resort will be developed beyond 200 m from HTL and FSI will be 0.27. It was also observed that the project proponent propose to source water requirement from private tankers which is a tall task. The Committee therefore decided that the project proponent shall strictly implement rain water harvesting system and shall submit a permission from the UT Administration allowing the project proponent purchasing of water requirement for running the proposed resort on water sourced from private tankers. The Committee also decided that the project proponent shall ensure that no ground water shall be extracted for the project either during construction or after its completion. The Committee also observed that the area is known for erosion and the project proponent shall be mindful of the beach nourishment activities proposed by the Puducherry Administration and accordingly act.

4. The Committee perused through the CRZ map with HTL, LTL demarcation and noted that the CRZ map available on record with the Ministry is not in scale and the project proponent shall ensure that the same is submitted to the Ministry for records. Based on the deliberations made and explanations given by the project proponent the Committee recommended the proposal for CRZ clearance subject to the following conditions:

- (i) There shall be no disposal of solid or liquid wastes in the coastal area. Solid waste management shall be as per Wastes Management Rules, 2016.
- (ii) The project proponent shall submit permission from the UT Administration allowing the project proponent purchase of water requirement for running the proposed resort on water sourced from private tankers.
- (iii) A robust rain water harvesting system shall be implemented.
- (iv) CRZ map in 1:4000 scale clearly demarcating HTL, LTL shall be submitted to the Ministry for records before the proposal is processed for necessary CRZ clearance.
- (v) In case, DG Sets is proposed to be used as backup power, it shall be ensured that well designed acoustic enclosures are installed in the DG sets such that a desirable insertion loss viz. 25 dB (A) is achieved.

2.4 Setting up of 20 MLD SWRO Desalination Plant inside ONGC Uran Plant, Uran, District Raigad, Maharashtra by M/s Oil and Natural Gas Corporation- CRZ Clearance [F.NO. 11-24/2017-IA.III] reg.

The proposal of M/s Oil and Natural Gas Corporation is for setting up of 20 MLD SWRO Desalination Plant inside ONGC Uran Plant, in District Raigad, Maharashtra. The project proponent made a presentation and provided the following information to the Committee:

- i) The desalination plant will be set up with the existing ONGC Uran Plant in an area earmarked and measuring about 8750 m².
- ii) The estimated capital cost of the project is about Rs. 266.40 Crores. The recurring cost of the plant is estimated to be Rs 3.13 crores.
- iii) The project site is located in CRZ-III. The intake channel will be located in CRZ-IB.
- iv) The details of the components of intake channel and outfall pipeline are as follows:

<i>CRZ category</i>	<i>Description</i>	<i>Area/ Length of Pipeline under CRZ</i>	<i>Area under CRZ (Ha.)</i>
CRZ-I B	Intake Channel	134 m	0.0268
	Outfall Pipeline	150 m	0.036
CRZ-III	Pump House	83.2 m ²	0.00832
	Intake Channel	28 m	0.0056
	Outfall Pipeline	100 m	0.0240
CRZ-IVB	Intake Channel	1366 m	0.7932
	Outfall Pipeline	2225 m	0.5340

- v) Layout on CRZ map of 1: 4000 scale has been prepared by Institute of Remote Sensing, Anna University, Chennai
- vi) Waste water quantity, treatment capacity, detail - Brine 1750 m³/hr with TDS 66300
- vii) Solid Waste Management: 15-20% of membrane elements will be replaced from 3rd year onwards
- viii) Green belt development (20 % of construction projects and 33 % for others) ONGC is having its own green belt around the plant
- ix) Power requirement: 5 MW from own generation.

- x) The desalinated water at a rate of 1013 m³ /hr will be produced from the plant and the brine as a reject will be discharged in to the sea @ 1750 m³/hr.
- xi) The time to dilation in mixing zone is minimum at 27 seconds during ebb phase of spring tide, and maximum at 1443 seconds during low water slack of neap tide orientation and descends to the seabed and travels along the seabed thereafter
- xii) The chlorinated seawater at the rate of about 2763 m³/hr will be drawn by constructing the seawater intake canal system to the intake well located within the plant site
- xiii) Mangroves are present at 7 km from project site.
- xiv) The major benefit of the proposed project is supply of water for industrial use and thus reducing its demand on other sources with the help of SWRO technology.
- xv) Employment potential: 30 nos.
- xvi) Maharashtra Coastal Zone Management Authority has recommended the proposal vide its Letter no. CRZ-2015/CR-387/TC-4, dated 04.10.2016

2. The Committee noted that the project proponent intends to set up the desalination plant of 20 MLD, of which 18 MLD will be consumed for service water in the Uran plant and 2 MLD will be used after demineralisation for boiler feed. The intake well will be located at 240 m from HTL and the outfall diffuser will be located at a distance of 2396 m (2.4 Km) from reference land fall point and the inter distance between intake and outfall will be 375 m. There will be no disturbance in the inter tidal zone.

3. The Committee also observed that NOC from Maharashtra Pollution Control Board, which is a statutory requirement has been applied but yet to be obtained. The Committee decided that the NOC shall be submitted to Ministry. It was also noted that presently 17 MLD raw water is being obtained from the state government which will be not be required once the plant is ready.

4. *Based on the presentation made by the project proponent and deliberations made, the Committee recommended the proposal for CRZ clearance subject to the following conditions:*

- i) NOC from Maharashtra Pollution Control Board shall be obtained
- ii) There shall be no disposal of solid or liquid wastes on the coastal areas. Solid waste management shall be as per Solid Wastes Management Rules, 2016.
- iii) There shall be no dressing or alteration of the sand dunes, natural features including landscape changes for beautification, recreation and other such purpose.
- iv) The project proponent shall submit a time bound action plan for handling of brine generated from to the desalination plan.
- v) A 2% of the cost of the project shall be apportioned for marine and coastal biodiversity protection and conservation measures, to be spent by the project proponent towards fulfilling its Corporate Environmental Responsibility (CER) during the currency of the project. Proper record and account of measures taken

should be maintained and should also be submitted to the CZMA every six months.

2.5 Proposed natural Gas transmission pipeline crossing (6th NB & 4" NB Pipeline) near to Khadi Bridge, Bhakti Park , Wadala, Mumbai, Maharashtra by M/s Mahanagar Gas Limited (MGL)- CRZ Clearance[F.NO.11-23/2017-IA.III] reg.

The proposal is for laying of 180 m of natural gas transmission pipeline crossing (6th NB & 4" NB Pipeline) near to Khadi Bridge, Bhakti Park, Wadala, Mumbai, Maharashtra by M/s Mahanagar Gas Limited (MGL). The project proponent made a presentation and provided the following information:

- i) The proposal is for laying of natural gas pipeline passing through Mahul creek. The overall length of of pipeline will be 180 m, out of which 170 m lies in CRZ area and rest 10 m in non-CRZ area.
- ii) The proposed pipeline will pass through CRZ-IA, CRZ- IB and CRZ-II areas, as per CRZ Notification, 2011.
- iii) The pipeline is located between latitude 19°01'57.16"N and longitude 72°52'48.51"E and 19°01'57.46"N, 72°52'47.65"E.
- iv) Proposal of this pipeline is linked with the existing Sewari-Chembur link road to Bhakti park area pipeline network for supply of natural gas. The project is aimed at strengthening the existing network of pipelines and serve the newly developing residential and commercial areas at Bhakti Park area and is expected to cater energy demands in the region for domestic as well as commercial purpose.
- v) The total Cost of the project will be Rs 1.2 Crores
- vi) The only emissions during operation phase are fugitive emissions from pipeline valves, flanges and intermittent venting from the sectionalizing valves provided along with the pipeline. Inspection and maintenance program will be implemented during the operational phase to control fugitive.
- vii) Proposed project will not have any impact on any of the environmental parameter except air environment.
- viii) There will be no impact on land use/land cover, water, soil, hydrogeology, noise, traffic, Ecology and biodiversity, geology etc. due to the proposed project activities.
- ix) Recommended measures will be adopted for prevention and control of leakage of pipeline so as to avoid environmental hazard in the area
- x) CRZ map indicating HTL, LTL demarcation in 1:4000 scales with proposed pipeline superimposed on CRZ map has been prepared by IRS, Anna University.
- xi) The proposed project will provide temporary employment to the (20-25) locals of Bhakti park area, thus project will enhance the opportunities of employment for the local people and due to the proposed project road transportation of gas cylinders will not be needed, thus minimizing road accidents. The proposed project, there would be continuous availability of the gas for domestic purpose. The energy source is piped directly to the customer's facility through the safe, efficient pipeline system.

- xii) The MCZMA has been recommended the project vide letter No. CRZ 2016/CR383/TC4 dated no. 17/03/2017

2. The Committee was informed of a representation received from an NGO and the issues raised were discussed. The Committee noted that the route of the pipeline does not entail any mangrove and the suggestion by the NGO for laying the pipeline at 10 m depth is not warranted in the instant case. The Committee also noted that there since the pipeline will be laid below water bed, there will be no question of tidal flow (if any) in the Mahul Creek.

3. Based on the clarifications provided by the project proponent and deliberations made, the Committee recommended the proposal for CRZ clearance subject to the following specific condition:

- i) The pipeline shall be laid on trestles to minimise impact on sea bed and aquatic life.
- ii) The site shall be restored to its original condition after work completion.
- iii) Storage of raw material and camp with sanitation facilities for the construction labour shall be set up beyond 200 m.

2.6 Proposed Sea Shore Based Wind Power (Wind Mills) Project at APSEZ, Mundra Taluka, Kutch, Medak, Gujarat by M/s Adani Green Energy Ltd-CRZ Clearance [F.NO.11-19/2017-IA.III]- reg.

The proposal of M/s Adani Green Energy Ltd is for setting up of Wind Mills at APSEZ, Mundra Taluka, Kutch, in Gujarat. The project proponent made a presentation and provided the following information:

- (i) The project involves setting up of 74 Wind Mills along the periphery of harbour boundary of Adani South and West Port in APSEZ, Mundra, in Kutch District. The power generated will be supplied to Mundra Port and will make Mundra Port the first Green Port in the World.
- (ii) The site is located approximately 48 km South of Bhuj town in Gujarat state.
- (iii) The Cost of Project will be Rs. 1,200 Crores (Approx).
- (iv) Total 74 locations have been proposed by APSEZ to install wind turbines out of which 59 numbers are within CRZ area and 15 numbers are outside CRZ area.
- (v) The total capacity of the wind park can vary between 125.8 MW to 155.4 MW.
- (vi) The land will be taken from the APSEZ on lease and shall be sub-leased to M/s Adani Green Energy Ltd (AGEL) for proposed wind farms.
- (vii) The wind mills will have height of 125 m, and diameter of 120 m. The length of the blade will be 58 m and the speed of rotation will be 15.5 RPM.
- (viii) Distance of proposed project from ESA/marine park in the region is over 40 kms.
- (ix) Water will be required, 12 KLD per location. Wind mill project does not required daily water usage. This will be arranged from near-by for construction purpose only.

- (x) Gujarat Coastal Zone Management Authority (GCZMA) has been Recommendation the project vide letter No. ENV-10-2016-118-E(T cell) dated no. 06.04.2017.
- (xi) Wind energy being clean energy projects, are exempted from the Environmental Impact Assessment (EIA) notification-2006.
- (xii) Noise from wind turbine will be within the permissible limits & temporary noise during construction, from piling for foundations and from traffic also.
- (xiii) Land use will be change as the locations where we are proposing the wind mills, temporary change in land use due to excavation & construction of wind mills.
- (xiv) CRZ mapping carried out by NIO. The distance from the CRZ-I areas will be about 500 m.
- (xv) The site comes under seismic zone-V. The wind mills will be prone to tsunami and tidal surge. However, the project has been designed to take care of seismicity of the area and also the maximum possible tidal surge.

2. The Committee noted that some wind turbines are proposed in reclaimed land meant for the port and the issue of location of wind mill in the said area may be contrary to the information / approval obtained for the reclaimed area. This aspect needs to be examined by the Ministry. The Committee observed that the project proponent has attained a commendable stature due to its sheer size of business and need to showcase examples of good environmental practices. The Committee also observed that the instant proposal is in the interest of environment and need encouragement. However, the Committee also observed that since the area seem to fall along the route of migratory birds and several migratory species are known to use adjacent mudflats, and the project proponent have not undertaken any studies to ascertain impacts of windmills on birds and bats, the project proponent need to be mindful of likely bird hits due to the proposal and shall take tangible action as may be applicable.

3. The Committee also deliberated on the issues flagged in a representation received from an NGO. The issues cited in the representations was perused and deliberated and it was decided that the project proponent shall submit a written reply to the Ministry, as stated before the Committee and their action plan for implementation as flagged and relevant as applicable.

4. Based on the clarifications provided by the project proponent and deliberations made, the Committee recommended the proposal for CRZ clearance subject to the following specific condition:

- i) Before commencement of the project, a site visit shall be carried out by a team comprising of member(s) of the Committee, MoEFCC representative(s) and representative of State Coastal Zone Management Authority, to examine the possibility of issues related to bird hit since no such studies were undertaken by the proponent.
- ii) A time bound study and action plan to prevent bird and bat hit be developed from a nationally competent agency such as SACON who is known for their work on bird migration. The work must cover atleast one bird migration season starting from September to March which is peak bird migration period. The plan must be integrated within environmental monitoring system of the project and

appropriate measures are taken to prevent bird mortality. Until the report of this study is submitted, physical commencement of work shall not begin.

- iii) A 2% of the cost of the project shall be apportioned for marine and coastal biodiversity protection and conservation measures, to be spent by the project proponent towards fulfilling its Corporate Environmental Responsibility (CER) during the currency of the project. Proper record and account of measures taken should be maintained and should also be submitted to the CZMA every six months.
- iv) The specific conditions stipulated by Forests and Environment Department, Government of Gujarat issued vide Letter No. ENV-10-2016-118-E(T Cell), dated 06.04.2017 shall be implemented in letter and spirit.
- v) Separate budget for community development activities and income generating programmes shall be earmarked.

2.7 Amendment of Environmental/CRZ Clearance for allowing Storage of Caustic Soda in Existing Storage Tank Terminal located at Sy. No. 27A, 27C & 27D, Sea Bird Road, Baithkol (V), Karwar (T), Uttara Kannada District, Karnataka by M/s Konkan Storage Systems Private Limited [F.NO. 11-32/2006-IA.III] - reg.

The proposal of M/s Konkan Storage Systems Private Limited is for amendment of Environmental / CRZ Clearance issued in 2006 for enabling storage of Caustic Soda in their existing Storage Tank Terminal located at Sy. No. 27A, 27C & 27D, Sea Bird Road, Baithkol (V), Karwar (T), Uttara Kannada District, Karnataka.

2. The Committee heard the matter and based on available documents noted that the project proponent has requested for amendment of their existing clearance issued on 31.07.2006, under CRZ Notification 1991, to enable storage of caustic soda for manufacture of fertilizers. In this regard, the Committee perused a letter from the Karnataka Government Secretariat, dated 24.03.2016.

3. The representative of the company also stated that no additional storage tank is proposed to be set up and the caustic soda storage will be accommodated in the existing available storage tanks. The Committee discussed the matter and decided that as per provisions of CRZ Notification, 2011 storage of caustic soda for manufacture of fertilizers is a permitted activity and hence the request can be considered and recommended for appropriate amendment of the existing clearance as may be necessary subject to no additional storage tank installed for the purpose.

3.0 Any other item with the permission of the Chair.

The Committee was informed for a number of requests received in the Ministry for extension of validity of CRZ Clearances. It was also informed unlike the EIA Notification, 2006, there is no provision for extension of validity under the CRZ Notification, 2011. The Committee was further informed of situation in a coastal power plant of TANGEDCO (a joint venture of M/s BHEL and Tamil Nadu Generation and Distribution Corpn. Ltd.), wherein, the power plant has obtained extension of validity

of the Environmental Clearance issued for the power plant but the intake and outfall pipe line for which CRZ clearance has been issued on 06.06.2011 has expired and its extension is a requirement for completion / commissioning of the power plant.

2. The Committee deliberated and the issue and agreed while there is no specific provision in the extent CRZ Notification, 2011 for extension of clearances issued, mere absence of an enabling provision should not be a hindrance in issuing extension of validity of CRZ clearance provided due environmental jurisprudence has be observed in considering the extension. The Committee therefore recommended that the Ministry may consider such cases purely on merit and until due amendment as may be required in the existing statue is carried out extension validity of CRZ clearance for another five years, on the lines as stipulated in EIA Notification may be considered.

The meeting ended with a vote of thanks to the Chair.
