

MINUTES OF THE 181st MEETING OF EXPERT APPRAISAL COMMITTEE FOR PROJECTS RELATED TO COASTAL REGULATION ZONE HELD ON 20th DECEMBER, 2017 AT INDIRA PARYAVARAN BHAWAN, MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE, NEW DELHI

The 181st Meeting of the Expert Appraisal Committee for projects related to Coastal Regulation Zone was held on 20.12.2017 at Conference Hall (Teesta), Vayu Wing, 1st Floor, Indira Paryavaran Bhawan, New Delhi. The members present were:

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| 1. | Dr. Deepak Arun Apte | - | Chairman |
| 2. | Dr. V.K Jain | - | Member |
| 3. | Dr. N.K Verma | - | Member |
| 4. | Dr. Anil Kumar Singh | - | Member |
| 5. | Dr. Prabhakar Singh | - | Member |
| 6. | Dr. Mohan Singh Panwar | - | Member |
| 7. | Shri. Sharad Chandra | - | Member |
| 8. | Smt. Bindu Manghat | - | Member |
| 9. | Shri. Arvind Kumar Nautiyal | - | Member Secretary |

Dr. M.V. Ramana Murthy, Shri T.P. Singh, Dr. Asha Ashok Juwarkar, Shri. Narendra Surana and Dr. Anuradha Shukla were absent.

Also in attendance: Shri W. Bharat Singh, Joint Director, MoEFCC and Dr. Bhawana Kapkoti Negi, Technical Officer, MoEFCC. The deliberations held and the decisions taken are as under:

2.0 CONFIRMATION OF THE MINUTES OF THE LAST MEETING.

The Committee having noted that minutes of the 179th meeting had taken care of the comments received from members as necessary confirmed the minutes.

3.0 CONSIDERATION OF PROPOSALS:

FRESH PROPOSALS:

3.1 Proposal for foreshore facilities (Pipe Coal conveyor and Cooling water intake and outfall pipe lines) of the proposed ETPS Replacement project (1X660 MW), District Tiruvallur, Tamil Nadu by Tamil Nadu Generation and Distribution Corporation Ltd. (TANGEDCO) [F.NO.11-48/2017-IA.III]- reg.

The proposal for setting up of foreshore facilities (Pipe Coal conveyor and Cooling water intake and outfall pipe lines) of the proposed ETPS Replacement project (1X660 MW), District Tiruvallur, Tamil Nadu was considered and in the course of the presentation made by the project proponent, the Committee noted that the instant case is not just for foreshore facilities such as Pipe Coal conveyor and Cooling water intake and outfall pipe lines but also includes setting up of 1x660

MW Thermal Power as replacement of a decommissioned 450 MW Unit. The same has also been noted in the recommendation for CRZ clearance received from TNCZMA through the Department of Environment, Government of Tamil Nadu.

2. The Committee was also informed that TOR for the replacement by 1x660 MW was issued by Thermal Sector of IA Division and the project proponent has a subsisting CRZ clearance for the Pipe Coal Conveyor and intake and outfall pipelines which will expire in December, 2018.

3. The Committee observed that in accordance with para no, 4(b) of the CRZ Notification, 2011, the instant proposal should necessary be dealt by the EAC (Thermal) Sector and therefore advised the project proponent to approach the concerned sector for the needful. Accordingly the proposal was dropped. The Committee therefore recommended that the instant proposal may be delisted from the pending list of the CRZ portal.

3.2 Proposed Conversion of Overhead Distribution lines into underground Cabling System at Nagapattinam Town, Nagore Town Velipalayam Town, Thonithural and Velankanni (Vadakkupoigainallur) of Nagapattinam Taluk proposed by Tamil Nadu Generation and Distribution Corporation Ltd. (TANGEDCO) [F.NO.11-50/2017-IA.III] reg.

The project proponent made a presentation and provided the following information:

- i) The proposed project is conversion of overhead power lines into underground cabling system in Nagapattinam District under Coastal Disaster Risk Reduction Project (CDRRP) with World Bank assistance.
- ii) The aim of the project is to reduce the vulnerability of the coastal communities to a range of natural hazards such as cyclone, storm surge, floods, tsunamis etc.
- iii) The underground cable laying works buried by excavating nominal trench of 1.2 M depth and 0.5 to 0.9 m width.
- iv) The total length of proposed cable is 211.38 Km. Out of proposed cable, 28.2 Km length of cable fall in CRZ II and 15.24 Km length fall in CRZ III.
- v) The total Cost of the project will be Rs 186 crores.
- vi) The proposed project site is located in CRZ- II and CRZ- III as per CZMP.
- vii) CRZ map indicating HTL, LTL demarcation in 1:4000 scale with the proposed cabling route superimposed on the map has been prepared by IRS, Anna University.
- viii) Details for Package 4:
 - a) Conversion of HT and LT overhead line into underground cable system in Nagapattinam Town consisting of 6.253 km of HT line and about 27.364 km of LT line into underground electrical cable.
 - b) The estimated cost of the Package is Rs. 50.00 crores.
 - c) Existing OH network of the Package - 4:

S.NO.	Feeder Name	HT Length (kms)	No. of DTs	LT Length (in km)	Feeder Load (in Amp)	1 ph consumer	3 ph consumer
1	Nagapattinam Town	6.253	31	27.364	295	6297	900

d) The proposed UG Cable network of the Package – 4 is as follows:

Feeder Name	Nagapattinam Town 1	Nagapattinam Town 2	Grand total
HT Length(km)	8.047	7.460	15.507
LT Length(km)	42.798	28.947	71.745
Service cables (km)	201	171	372
Street light cables (km)	19	15	34
DTs (Nos.)	33	31	64
LT Panel (Nos.)	20	19	39
Feeder Pillars(Nos.)	96	76	172
Service Pillars (Nos.)	505	381	886
Trenchless crossings (Nos.)	13	14	27
Pipe crossings (Nos.)	175	179	354
RMU (Nos.)	35	36	71

ix) Details for Package 5:

- Conversion of HT and LT overhead line into Under Ground cable system in Nagore and Thonithurai consisting of conversion of about 28.58 km of HT line and about 59.98 km of LT line into underground electrical cable.
- The estimated cost of the package is Rs. 43.00 crores.
- Existing OH network of the Package - 5:

S.NO.	Feeder Name	HT Length (kms)	No. of DTs	LT Length (in km)	Feeder Load (in Amp)	1 ph consumer	3 ph consumer
1	Nagore	24.35	54	48.15	718.79	7384	1063
2	ThoniThurai	4.23	17	11.83	293.93	2508	47
	Grand Total	28.58	71	59.98		9892	1110

d) The proposed UG Cable network of the Package - 5:

Feeder Name	Nagore feeder 1	Nagore feeder 2	Nagore feeder 3	Thonithurai	Grand total
HT Length(km)	9.960	8.883	9.741	4.710	33.294
LT Length(km)	19.962	32.831	16.048	17.823	86.664
Service cables (km)	68.08	98.5	65.32	103.5	335.4
Street light cables (km)	4.1	5.2	3.1	4.4	16.8
DTs (Nos.)	30	29	24	22	105
LT Panel (Nos.)	23	21	19	21	84
Feeder Pillars(Nos.)	59	82	43	79	263
Service Pillars (Nos.)	285	401	179	308	1173
Trenchless crossings (Nos.)	2	3	4	4	13
Pipe crossings	134	169	123	146	572

(Nos.)					
RMU (Nos.)	35	32	24	22	113

x) Details for Package 6:

- (a) Conversion of HT and LT overhead line into Under Ground cable system in Velipalayam and Velipalayam Water Works consisting of conversion of about 26.3 km of HT line and about 94.67 km of LT line into underground electrical cable.
- (b) One new Switching station at SIPCOT area.
- (c) The estimated cost of the Project is Rs. 48.00crores.
- (d) Existing OH network of the Package - 6 is as follows:

S.NO.	Feeder Name	HT Length (kms)	No. of DTs	LT Length (in km)	Feeder Load (in Amp)	1 ph consumer	3 ph consumer
1	Velipalayam	22.22	44	94.67	682.34	10817	863
2	Water Works	4.08	1	No LT Service			

(e) The proposed UG Cable network of the Package -6:

Feeder Name	Vellipalayam Feeder 1	Vellipalayam Feeder 1	Vellipalayam Feeder 1	Water works	Grand total
HT Length(km)	8.362	9.368	11.015	4.125	32.87
LT Length(km)	35.337	40.451	44.954	0	120.74
Service cables (km)	140	154	173	0.04	467.04
Street light cables (km)	21.37	23.51	26.36	0	71.24
DTs (Nos.)	32	26	33	1	92
LT Panel (Nos.)	26	19	25	0	70
Feeder Pillars(Nos.)	102	74	87	0	263
Service Pillars (Nos.)	479	361	416	0	1256
Trenchless crossings (Nos.)	15	11	8	1	35
Pipe crossings (Nos.)	126	161	317	26	604
RMU (Nos.)	39	32	38	1	110

xi) Details for Package 7-

- (a) Conversion of HT and LT overhead line into Under Ground cable system in Velankanni Town consisting of conversion of about 37 km of HT line and about 39 km of LT line into underground electrical cable.
- (b) The estimated cost of the package is Rs. 45.00 Crores.
- (c) Existing OH network of the Package - 7 is as follows.

S.NO.	Feeder Name	HT Length (kms)	No. of DTs	LT Length (in km)	Feeder Load (in Amp)	1 ph consumer	3 ph consumer
1	Velankanni	37.098	67	38.805	848.55	3924	445

(d) The proposed UG Cable network of the Package - 7:

Feeder Name	ECR	Serudur	Velankanni Town 1	Velankanni Town 2	Grand total
HT Length (km)	13.285	7.744	6.194	4.785	32.008
LT Length (km)	2.99	20.03	26.22	18.39	67.64
Service cables (km)	47.1	46	48.4	34	175.5
Street light cables (km)	4.2	7.1	4.4	7.9	23.6
DTs (Nos.)	32	20	12	10	74
LT Panel (Nos.)	17	18	12	10	57
Feeder Pillars (Nos.)	3	35	31	33	102
Service Pillars (Nos.)	18	161	159	189	527
Trenchless crossings (Nos.)	12	9	6	4	31
Pipe crossings (Nos.)	38	63	71	69	241
RMU (Nos.)	26	22	16	12	76

xii) The TNCZMA has recommended the project vide letter No. 17946/EC.3/2017-1, dated 09.10.2017.

2. The Committee observed that two overhead poles are still proposed to be kept on both sides of the river along the route of the cable laying alignment, defeating the objective of the proposal, which is reducing vulnerability of natural calamity such as cyclone. The project proponent could not impress upon the Committee about the utility or essentially of retaining two overhead poles. The Committee therefore advised that the proposal in its present form is devoid of merit and therefore advised the project proponent to revise its proposal accordingly.

3. The Committee also observed that while recommending the instant proposal for CRZ clearance, the TNCZMA has recommended that the cable laying activity shall not be carried out in the areas falling under CRZ-I and CRZ-IV.

4. *The Committee noted that in case the project proponent revises its proposal and decides to lay cables in the river bed it shall approach the TNCZMA and get the abovementioned conditions amended accordingly. While doing so the project proponent shall ensure that it submits a supplementary Marine EIA report carried out for the said task. The Committee further noted that, on the other hand, if it so desires to lay cable alongside the bridge crossing the river, the necessity of the same should not arise.*

5. *In view of the observations made above the Committee deferred the proposal with a recommendation that in case the revise proposal is not submitted with requisite documents within three months the proposal may be delisted from the pending list.*

3.3 Proposal for Creation of dedicated coastal berth parking at Porbandar Port under Sagar Mala Project at Porbandar Village, Porbandar Tehsil, Porbandar District Gujarat by Gujarat Maritime Board, Gandhinagar, Gujarat [F.NO.11-49/2017-IA.III] - reg.

The proposal of M/s Gujarat Maritime Board, Gandhinagar, Gujarat is for creation of dedicated coastal berth parking at Porbandar Port under Sagar Mala Project at Porbandar Village, Porbandar Tehsil, Porbandar District Gujarat. The project proponent made a presentation and provided the following information:

- (i) The port is located at 21°38'37.59"N 69°34'52.52"E and 21°37'1.34"N 69°35'35.89"E, in Porbandar village, Porbandar Tehsil, Porbandar District, Gujarat along the west coast of India.
- (ii) The proposed coastal berth will be used for anchoring of cargo loaded barges and for handling of non-dusty cargoes such as limestone, salt, raw cotton and other food products, during the peak cargo traffic hours in the port facility.
- (iii) The proposed coastal berth will handle only the consented cargoes within the overall existing capacity of Porbandar Port facility.
- (iv) Development of dedicated coastal berth parking at Porbandar Port under Sagar Mala project.
- (v) Total berth area is 6700m². The project component includes construction of coastal berth within existing port facility.
- (vi) Port is well connected with SH-6 is available at 2.65km aerial distance and NH8B is available at 4.95km aerial distance from the port entrance.
- (vii) The size of berth will be 100mx67m.
 - (i) Major activities in the project proposal include reclamation below the berthing platform upto the level of +6m using rubble boulders, the capital dredging of 43360m³.
 - (ii) Porbandar WLS/Bird Sanctuary is located at 1.08km in NNE direction.
 - (iii) The total cost of the project will be Rs 40.00 crores.
 - (iv) Solid wastes generated during construction phase will be disposed as per Municipal guidelines, as practiced in the existing plant operation.
 - (v) Energy requirement and sources will be existing power supply of 11kVA from Paschim Gujarat Vij Company Limited (PGVCL).
 - (vi) The proposed area falls in CRZ-IB, CRZ-II and CRZ-IVA.
 - (vii) CRZ map indicating HTL, LTL demarcation in 1:4000 scale has been prepared by National Centre for Sustainable Coastal Management (NCSCM), Anna University, Chennai.
- (viii) The proposed berthing facility will be utilized only for parking the cargo loaded barges in the peak hours, in order to reduce the congestion in the harbour area. Handling of the existing cargo handling operation of Porbandar port. This will also benefit to minimize the anchoring of cargo loaded barges in the harbor area during non-availability berthing facility and will evolve the existing cargo operation efficiently.
- (ix) The Gujarat Coastal Management Authority (GCZMA) recommended the project vide letter No. ENV-10-2017-63-E (T cell) dated 18.11.2017.

2. The Committee observed that project proponent desires to create a dedicated facility for cargo loaded barges in order to enhance cargo handling operation in the port and has applied the instant proposal as a standalone proposal for CRZ clearance. The Committee noted that the instant proposal is a part of the expansion

of the port under Sagar mala project and therefore advised that the same may be delinked from the port expansion project and accordingly revise its proposal to enable the Committee in appraisal of the same.

3. *Based on the deliberations held the Committee recommended that the proposal be deferred and taken up at a later date after the project proponent get the needful done and submits the revised proposal. The Committee further recommended that in case the revise proposal is not submitted with requisite documents within three months the proposal may be delisted from the pending list.*

There being no other agenda item, the meeting ended with a vote of thanks to the Chair.
