

**F.No.11-12/2022-IA.III**  
**Government of India**  
**Ministry of Environment, Forest and Climate Change**  
**IA-III Section (CRZ)**

Indira Paryavaran Bhawan  
Jor Bagh Road  
New Delhi – 110003  
Dated: 20<sup>th</sup> April, 2022

To

**The Tata Power Company Ltd**  
**24, Homi Modi Street, Bombay House**  
**Mumbai, Maharashtra – 400009**  
*Email: tatapower.moef@tatapower.com*

**Subject: Replacement of existing 110 kV Khopoli - Mankhurd and 110 kV Khopoli – Chembur transmission lines and towers at District Mumbai, Maharashtra by M/s The Tata Power Company Ltd - CRZ Clearance - regarding.**

Sir,

This has reference to your proposal No. IA/MH/CRZ/260889/2022 dated 17<sup>th</sup> March, 2022 on the above mentioned project proposal for CRZ Clearance, in accordance with the provisions of the Coastal Regulation Zone (CRZ) Notification, 2011 issued under the Environment (Protection) Act, 1986.

2. The Ministry of Environment, Forest and Climate Change has examined the proposal for CRZ Clearance to the project for Replacement of existing 110 kV Khopoli - Mankhurd and 110 kV Khopoli – Chembur transmission lines and towers at District Mumbai, Maharashtra by M/s The Tata Power Company Ltd.

3. The proposal was considered by the Expert Appraisal Committee (EAC) for Infrastructure Development, Coastal Regulation Zone, Building / Construction and Miscellaneous projects, in its meeting held on 23/03/2022 through video conferencing. The project proponent and their consultant made detailed presentation and informed as under:

- (i). The alignment of proposed project activities is located with Thane and Panvel Creeks; and its adjacent mangrove areas in Talukas of Panvel, Thane, Kurla; Districts of Raigad, Thane and Mumbai Suburban of Maharashtra state.
- (ii). The replacement of the existing 110 kV Khopoli - Mankhurd and 110 kV Khopoli – Chembur transmission lines and towers will ensure continuous electrical supply to Mumbai City.
- (iii). This proposed activity will increase the life span of replaced towers for another 40 years to perform their electricity supply function. TATA Power Company Ltd. intends to replace old towers and transmission lines in order to prevent any casualties in future and also to ensure continued power supply to Mumbai city. The total cost of the proposed project is ₹28.89 crores.





- (iv). There are 11 towers going to replace at a 10 m distance from the existing one in Thane Creek and 2 towers are situated within mangroves adjacent to Thane Creek towards the western side. There are 2 existing towers within Panvel Creek, 2 towers in non-mangrove areas towards Shahabaj village on the northern end of Panvel Creek and 3 towers are situated towards the southern side of Panvel Creek within mangroves of Vaghivali village, these towers also going to be replaced at 10 m distance from existing ones.
- (v). As per clause 8 i (l) CRZ-I (i) (b) and 4 ii (d) of CRZ notification, 2011, proposed project activities are permissible and require prior CRZ clearance from MoEFCC.
- (vi). The details of proposed Towers in CRZ area:

Location	Description	Tower ID	CRZ classification
Thane Creek	Proposed replacement of Khopoli Chembur Transmission Line and towers	78N	CRZ IA
		79N	CRZ IVB
		80N	CRZ IVB
		81N	CRZ IVB
		82 N	CRZ IVB
		83N	CRZ IVB
	Proposed replacement of Khopoli Mankhurd Transmission Line and towers	76N	CRZ IA
		77N	CRZ IVB
		78N	CRZ IVB
		79N	CRZ IVB
		80N	CRZ IVB
		81N	CRZ IVB
		82N	CRZ IVB
		Panvel Creek	Proposed replacement of Khopoli Chembur Transmission Line and towers
127N	CRZ IVB		
128N	CRZ IA (Mangrove buffer zone)		
Proposed replacement of Khopoli Mankhurd Transmission Line and Towers	120N		CRZ II
	121N		CRZ IVB
	122N		CRZ IA (Mangrove buffer zone)
	123N		CRZ IA

- (vii). Details of proposed project activity in the CRZ area:

Location	Description	CRZ Classification	Length (m)	Total length(m)
Thane Creek	Proposed replacement of Khopoli Chembur Transmission	CRZ I A	625.1	2901.8
		CRZ IA (Mangrove buffer zone)	372.7	
		CRZ IB	4.6	

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	Line and towers	CRZ II	89.4	2908.9
		CRZ IV B	1810	
	Proposed replacement of Khopoli Mankhurd Transmission Line and towers	CRZ I A	667.8	
		CRZ IA (Mangrove buffer zone)	331.3	
		CRZ IB	17	
		CRZ II	89	
		CRZ IVB	1803.8	
Panvel Creek	Proposed replacement of Khopoli Chembur Transmission Line and towers	CRZ IA	194.2	866.8
		CRZ IA (Mangrove buffer zone)	77.4	
		CRZ II	40.8	
		CRZ IVB	554.4	
	Proposed replacement of Khopoli Mankhurd Transmission Line and towers	CRZ IA	3.5	595.3
		CRZ IA (Mangrove buffer zone)	50.4	
		CRZ II	36.6	
		CRZ IVB	504.8	

- (viii). The manpower would be 35 persons during the construction phase of the proposed project of replacement of transmission lines and towers.
- (ix). Detailed Environmental monitoring program covering all four stages of the project cycle has been presented with the EMP budget and schedule for compliances. The Environmental Management Plan is prepared giving roles and responsibilities throughout the EMC for the implementation of EMP. The proposed project will have a low adverse impact with due implementation of control measures as suggested.
- (x). The project was recommended by the Maharashtra Coastal Zone Management Authority *vide* letter no. CRZ 2021/CR30/TC4 dated 4<sup>th</sup> March 2022.

4. The Committee made detailed deliberation on the proposal. The Committee noted that the project is for the replacement of existing transmission lines and towers with new lines and towers. The project proponent shall be retaining the existing towers as suggested by the Maharashtra Maritime Board, considering the safety of shipping vessels/fishery boats. The project proponent presented a plan for the management of birds including the Flamingo. It was informed that the project is located outside the Flamingo Sanctuary / ESZ. Forest clearance for mangrove cutting is under process.

The Committee noted that laying of the transmission line is a permissible activity in the CRZ area as per the provisions contained in para 4 ii (d) and para 8

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of the CRZ Notification, 2011 requiring prior permission from the Ministry and the CRZ map of the 1:4000 scale was prepared by the Institute of Remote Sensing, Anna University, Chennai.

5. Based on the recommendation of the Maharashtra Coastal Zone Management Authority and considering the submissions made by the project proponent, the Ministry of Environment, Forest and Climate Change, in acceptance of the recommendations of the Expert Appraisal Committee (CRZ), hereby accords CRZ Clearance to the project for **“Replacement of existing 110 kV Khopoli - Mankhurd and 110 kV Khopoli – Chembur transmission lines and towers”** at District Mumbai, Maharashtra by M/s The Tata Power Company Ltd, under the provisions of the CRZ Notification, 2011 and amendments thereto, subject to the compliance of terms and conditions as under:-

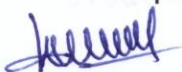
**PART A – SPECIFIC CONDITIONS:**

- (i). All construction shall be strictly in accordance with the provisions of the CRZ Notification, 2011 and as amended from time to time.
- (ii). The project proponent in consultation with Salim Ali Centre for Ornithology and Natural History (SACON) shall install bird diverters within the stretch of Flamingo Sanctuary.
- (iii). Prior Forest clearance under the Forest (Conservation) Act, 1980 for diversion of the forest land shall be obtained before execution of the project.
- (iv). Prior Clearance from the Standing Committee of the NBWL shall be obtained, if applicable.
  - (i). Prior approval of the High Court of Mumbai shall be obtained in view of the direction issued in connection with the cutting of Mangrove trees and their conservation before execution of the project.
  - (ii). The project proponent shall ensure the natural flow of the Creek water in the project site.
  - (iii). Excavated material during the construction shall not be dumped in water bodies or adjacent areas.
  - (iv). No groundwater shall be extracted within the CRZ area to meet the water requirements during the construction and/or operation phase of the project.
  - (v). Any temporary physical infrastructure setup and excavated material, if any, during underground electrical cabling shall not be dumped in water bodies or adjacent areas and the site shall be restored to its original condition after completion of construction of work.
  - (vi). Permanent labour camp, machinery and material storage shall not be set up in the CRZ area.
  - (vii). All the conditions stipulated by the Maharashtra CZMA *vide* letter dated 4<sup>th</sup> March 2022 and commitments made by the PP before the CZMA and EAC shall be followed in letter and spirit.
  - (viii). All necessary clearance from the concerned authority, as may be applicable should be obtained prior to commencement of the project or activity.



## **PART B - GENERAL CONDITIONS:**

- (i). Management of solid waste in accordance with the Solid Waste Management Rules, 2016 shall be strictly implemented.
- (ii). 'Consent to Establish' and /or 'Consent to Operate' shall be obtained from State Pollution Control Board under the provisions of Air (Prevention and Control of Pollution) Act, 1981 and / or the Water (Prevention and Control of Pollution) Act, 1974, as may be applicable.
- (iii). Disposal of muck during construction phase should not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of Competent Authority.
- (iv). All liquid waste arising from the proposed development will be disposed of as per the norms prescribed by Central / State Pollution Control Board. There shall not be any disposal of untreated effluent into the sea / coastal water bodies. It shall be ensured that the wastewater generated is treated in the STP as committed by the project proponent. The treated waste water shall be reused for landscaping, flushing and / or HVAC cooling purposes etc. within the development. The project proponent should also make alternate arrangement for situation arising due to malfunctioning of STP. There shall be regular monitoring of standard parameters of the effluent discharge from STP under intimation to the SPCB.
- (v). Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
- (vi). A copy of the clearance letter shall be uploaded on the website of the concerned State Coastal Zone Management Authority/State Pollution Control Board. The Clearance letter shall also be displayed at the Regional Office, District Industries Centre and Collector's Office/ Tehsildar's Office for 30 days.
- (vii). A Six-monthly monitoring report shall need to be submitted by the project proponent to the concerned Regional Office of this Ministry regarding the implementation of the stipulated conditions.
- (viii). The Ministry of Environment, Forest & Climate Change or any other Competent Authority may stipulate any additional conditions or modify the existing ones, if necessary in the interest of environment and the same shall be complied with.
- (ix). Full co-operation shall be extended to the officials from the Regional Office of MoEF&CC, during monitoring of implementation of environmental safeguards stipulated. It shall be ensured that documents / data sought pertinent is made available to the monitoring team. A complete set of all the documents submitted to MoEF&CC shall be forwarded to the concerned Regional Office of MoEF&CC.
- (x). In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.



- (xi). The Ministry reserves the right to add additional safeguard measures subsequently, if considered necessary, and to take action to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner, including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, for non-compliance.
- (xii). All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponent from the respective Competent Authorities.
- (xiii). The project proponent should advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded CRZ Clearance and copies of clearance letters are available with the State Pollution Control Board (SPCB) and may also be seen on the website of the Ministry of Environment, Forest and Climate Change at <https://parivesh.nic.in/>. The advertisement should be made within Seven days from the date of receipt of the Clearance letter and a copy of the same should be forwarded to the concerned Regional Office of this Ministry.
- (xiv). A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parisad / Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal.
- (xv). The proponent shall upload the status of compliance of the stipulated conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF&CC, the respective Zonal Office of CPCB and the SPCB.
- (xvi). The environmental statement for each financial year ending 31<sup>st</sup> March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the project proponent along with the status of compliance of clearance conditions and shall also be sent to the respective Regional Office of the Ministry by e-mail.

6. This Clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs Union of India in Writ Petition (Civil) No.460 of 2004 as may be applicable to this project.

7. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the CRZ clearance, if implementation of any of the above conditions is not found satisfactory.

8. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may



result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

9. Any appeal against this CRZ clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

10. The above conditions shall be enforced, *inter-alia* under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

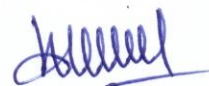
11. This issues with approval of the Competent Authority.



**(Dr. H. Kharkwal)**  
**Scientist 'E' (CRZ)**

Copy to:

1. The Principal Secretary, Environment Department, Government of Maharashtra, Mumbai- 400032, Maharashtra.
2. The Deputy DGF (C), Ministry of Environment, Forest and Climate Change, Integrated Regional Office Ground Floor, East Wing, New Secretariat Building, Civil Lines, Nagpur- 440001, Maharashtra.
3. The Member Secretary, Maharashtra Coastal Zone Management Authority, Environment Department, 15<sup>th</sup> Floor, New Administrative Building, Opp. Mantralaya, Mumbai – 400032, Maharashtra.
4. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi - 110032
5. The Member Secretary, Maharashtra Pollution Control Board, Kalpataru Point, 3<sup>rd</sup> and 4<sup>th</sup> floor, Opp. PVR Cinema, Sion Circle, Mumbai – 400022, Maharashtra.
6. Guard File / Monitoring File / Website/Record File



**(Dr. H. Kharkwal)**  
**Scientist 'E' (CRZ)**