



सत्यमेव जयते

File No: 11/49/2024-IA.III
Government of India
Ministry of Environment, Forest and Climate Change
IA-III Section (CRZ)
Centralized Processing Centre - Green



Dated 10/09/2025



To,

M/s The Tata Power Company Limited

No. 24, Homi Modi Street,

Bombay House,

Mumbai-400009, Maharashtra

E-mail: tatapower.moef@tatapower.com

Subject:

Proposal for CRZ Clearance – Upgradation of Existing 110 KV Kalwa-kalyan Transmission Line to 220 KV Level, District Thane, Maharashtra by M/s The Tata Power Company Limited – regarding

Sir/Madam,

This has reference to your online proposal no. IA/MH/CRZ/488372/2024 dated 18/07/2024 on the above-mentioned project proposal for CRZ Clearance, in accordance with the provisions of the Coastal Regulation Zone (CRZ) Notification, 2019 and as amended thereof issued under the Environment (Protection) Act, 1986.

2. The Ministry of Environment, Forest and Climate Change has examined the proposal for CRZ Clearance for 'Upgradation of Existing 110 KV Kalwa-kalyan Transmission Line to 220 KV Level, District Thane, Maharashtra by M/s The Tata Power Company Limited'.

3. The proposal was considered by the Expert Appraisal Committee (EAC) for Infrastructure Development, Coastal Regulation Zone, Building/Construction and Miscellaneous projects, in its 378th meeting held on 28/10/2024. The Project Proponent (M/s The Tata Power Company Limited) along with his EIA consultant (M/s Ultra Tech, Environmental Consultancy & Laboratory) have made a presentation on above said proposal and informed the following salient features of the proposal, including the details provided in the application of the project, to EAC:

1.	Brief description of the Project	The proposal seeks CRZ Clearance as per CRZ Notification 2019 for Upgradation of Existing 110 KV Kalwa-kalyan Transmission Line to 220 KV Level, District Thane, Maharashtra by M/s The Tata Power Company Limited																
2.	<p>Salient features / Components of the project activity:</p> <p>The proposed project includes upgradation of existing 110 kV double circuit transmission line to 220 kV multi circuit transmission line using the same Right of Way of 22 m and land area. The existing transmission line has 87 towers and the same number of new towers will be constructed at the same location beside existing one. Over the length of 17 km, the transmission traverses through CRZ area at Dawala, Khardipada, Domkhar, Mothi Desai and Nilje village. Total 2 no. of towers are in the CRZ zone and transmission line between some towers passes through CRZ zone, so the clearance is needed.</p> <p>Thane is one of the few districts in the state of Maharashtra with a developed industrial sector. Over half of the district's social and economic development may be attributed to industrialization. In terms of population, it ranks third in the state according to the 2011 census. From Kalwa to Kalyan, Tata Power Company Limited currently operates a 110 kV transmission line. This existing transmission line is over 75 years old and crosses through the Thane District, Parsik Hill and Forest Land.</p> <p>This transmission line carries electricity from the Tata Power Bhivpuri Hydro Power Station to the Mumbai Metropolitan Area. The ongoing infrastructural development in and around the Kalyan sector of the Mumbai Suburban area is responsible for an annual load increase rate of 6%.</p> <p>The present 110 kV level must be raised to a 220 kV level in order to support Kalyan's present and future load needs. The Hon'ble Maharashtra Electricity Regulatory Commission's rules were followed by Tata Power when they suggested replacing the existing 110 kV double circuit Kalwa-Kalyan line corridor with a 220 kV multi circuit Kalwa-Kalyan line. There is need of the proposed upgradation to support the demand of continuous growing population and to ensure the uninterrupted power supply.</p>																	
3.	CRZ Report/Maps prepared by	Institute of Remote Sensing, Anna University, Chennai																
4.	<p>CRZ Categorization as per MCZMA recommendation:</p> <table border="1" data-bbox="384 1686 1479 2063"> <thead> <tr> <th colspan="4" data-bbox="384 1686 1479 1771">CRZ categorization according to length and area of RoW of Transmission Line</th> </tr> <tr> <th data-bbox="384 1771 592 1856">S. No.</th> <th data-bbox="592 1771 943 1856">CRZ-Classification</th> <th data-bbox="943 1771 1190 1856">Length in Meters</th> <th data-bbox="1190 1771 1479 1856">Area in Sq.m</th> </tr> </thead> <tbody> <tr> <td data-bbox="384 1856 592 1980">1</td> <td data-bbox="592 1856 943 1980">CRZ-IA (50 m Mangroves Buffer Zone)</td> <td data-bbox="943 1856 1190 1980">20.83</td> <td data-bbox="1190 1856 1479 1980">458.34</td> </tr> <tr> <td data-bbox="384 1980 592 2063">2</td> <td data-bbox="592 1980 943 2063">CRZ-IB</td> <td data-bbox="943 1980 1190 2063">214.83</td> <td data-bbox="1190 1980 1479 2063">9951.28</td> </tr> </tbody> </table>		CRZ categorization according to length and area of RoW of Transmission Line				S. No.	CRZ-Classification	Length in Meters	Area in Sq.m	1	CRZ-IA (50 m Mangroves Buffer Zone)	20.83	458.34	2	CRZ-IB	214.83	9951.28
CRZ categorization according to length and area of RoW of Transmission Line																		
S. No.	CRZ-Classification	Length in Meters	Area in Sq.m															
1	CRZ-IA (50 m Mangroves Buffer Zone)	20.83	458.34															
2	CRZ-IB	214.83	9951.28															

3	CRZ-II	490.83	4672.50
4	Outside CRZ	16291.42	358411.24
Total Length in Meters		17017.91	374394
Transmission Line Towers in Various CRZ zones			
S. No.	CRZ-Classification	Tower No.	Total Towers
1	CRZ-II	146,153	2
2	Outside CRZ	124-145, 147-152, 154-200 C, 43 A, 43 B, 156 A, 174A, 175A, 176 A, 178 A	85
Total No. of Towers			87 Nos.
5.	Applicability of EIA Notification 2006	Not Applicable	
6.	NOC from SPCB (For discharge Project)	Not Applicable	
7.	Certified Compliance Report from IRO (Expansion / Amendment Case)	Not Applicable	
8.	Permissibility of project as per CRZ Notification 2019 (mention the Clause as per SCZMA recommendation letter)	The proposed project activities is permissible as per Para 5, Clause 5.1.1 (ii), Clause 5.1.2 (xv) and Clause 5.2 (i) of CRZ Notification 2019.	
9.	EIA Consultants details (with validity)	M/s Ultra Tech, Environmental Consultancy & Laboratory, Maharashtra NABET Certificate No.: NABET/EIA/21-24/SA 0217; Valid up to 03/01/2025	
10.	Baseline period for EIA	01/03/2023 to 31/05/2023	
11.	Applicability of Terrestrial and Marine EIA (please mention clearly, if not applicable please mention the same)	Terrestrial and Marine EIA study carried out as per requirement	
12.	Anticipated impacts (mention page no of EIA)	Presented in Chapter 4, Page no. 161-180 of EIA Report	

13.	Mitigation measures proposed (mention page no of EIA)	Presented in Chapter 4, Page no. 161-180 of EIA Report
14.	Disaster Management Plan (mention page no of EIA)	Incorporated in chapter 7, page no.: 188-199 of EIA report.
15.	Risk Assessment (mention page no of EIA)	Risk Assessment is mentioned in Chapter 7, Page no. 185-188 of EIA Report.
16.	Total Project cost	Rs.198.25 Crores
17.	Is project located in erosion prone area (yes/no)	No
18.	If yes, specific the management plan proposed	Not applicable
19.	EMP cost proposed (capital and recurring)	Capital Cost: Rs.149 Lakhs. Recurring Cost: Nil
20.	Forest Clearance requirement	Applicable. From the total 37.4394 ha. land area required for proposed project 4.5773 ha. area is classified as forest land and 32.8621 ha. is no-forest land. Forestland diversion application is submitted on date 12/05/2024 on PARIVESH having application No. FP/MH/TRANS/466059/2024.
21.	Wildlife Clearance Requirement	Not applicable
22.	Proposed Green Cover	Not applicable
23.	Proposed budget for green cover development	Not applicable
24.	Rainwater harvesting	Not applicable
25.	Proposed budget for rainwater harvesting	Not applicable
26.	Details of tree Cutting	Not applicable
27.	Details of Compensatory afforestation proposed	Not applicable
28.	Proposed energy conserving measures	Not applicable

29.	Power Requirement and Source	Construction Phase: Source-6 units of DG Set Requirement: 43 kVA
30.	Water requirement and source	Water requirement will be confined to construction phase only. The ready mix concrete (RMC) will be used for concreting from the local RMC plant. So no water is required for making of concrete on site. Also no water for curing of foundation is required because RMC will be mixed with curing compounds. Water supply for domestic purpose will be through tanker supply. Considering water consumption of 45 lit/person/day for various domestic purposes the total quantity of water required for manpower of 45 nos. is estimated to be 2.03 KLD for domestic purpose.
31.	Waste water Treatment and reuse	Not Applicable
32.	Solid Waste Generation	Solid waste will be generated only during construction phase from activities like packaging material of construction material, construction waste, offcuts, oils, fuels and other chemicals generated by onsite maintenance and repair of construction equipment and machinery etc. Also there is no storage of concreting material on site as RMC would be used during construction, so possibility of this accumulation of this waste is minimal.
33.	Solid Waste management	Solid waste will be segregated on site and sent to local authorized vendors as per Solid Waste Management Rules, 2016.
34.	Hazardous waste Management	Not Applicable
35.	Resettlement and Rehabilitation	Not Applicable
36.	Employment generation (in Numbers)	Total employment generation will be of 50 nos. 45 no. of workers would be required at the peak time of construction activities and 5 no. of employees would be required during operation phase.
37.	Details of Litigation, If any	Not Applicable
38.	Details of Ground Water extraction	Not Applicable

39.	Benefits	The proposed project will improve reliability, quality, security and enhancement of power supply in the region. The proposed transmission & distribution schemes not only improve overall power supply situation but also improve reliability, quality, security and enhancement of power supply in the region. The augmentation undertaken by utilities would also serve to meet the increasing power demand envisaged in Thane and nearby area due to emerging developmental activities in the area.
40.	SCZMA Recommendation (mention the recommendation letter Number and date)	The Maharashtra SCZMA has recommended the proposal to Ministry <i>vide</i> letter No. IA/MH/CRZ/488372/2024, dated 05/09/2024 and 21/08/2025, as per CRZ Notification 2019.

4. The Committee has deliberated the proposal based on the information provided/presented by the proponent. After deliberation, the Committee noted that the project activity is permissible as per CRZ Notification, 2019 and Maharashtra CZMA has recommended the proposal *vide* letter dated 05/09/2024. The Committee has also noted that despite no change in area estimate in CRZ area, the overall area estimate, presented in the CRZ report, EIA report and SCZMA recommendation letter is not similar. So, the Committee directed the proponent to submit the revised recommendation letter from MCZMA, submit same to the Ministry for record and Ministry process file for CRZ Clearance as per procedure. The Committee also suggested the Bird diverters of international standard should be installed at all sites with consultation of reputed institute in the field. Further, considering the diversion of 4.5773 ha of forest land is involved, the Committee has directed that PP should obtain necessary prior clearance as per Forest Conservation Act, 1980 before commencing the construction of the project activity. The Committed has also opined that if required, necessary clearance should be obtained from Hon'ble High Court of Bombay & NOC from Mangrove Cell before cutting of mangroves. In response, proponent has agreed the same.

5. The Committee after detailed deliberations and considering the submissions made by the project proponent recommended the proposal for CRZ Clearance as per CRZ Notification 2019 subject to terms and conditions, as stipulated during its 378th meeting held on 28/10/2024.

6. As directed by the EAC in its 378th meeting held on 28/10/2024, an ADS was raised on 02/11/2024 to the project proponent for submission of a revised recommendation letter from MCZMA, required for further processing of the proposal. In response, the proponent has submitted the revised recommendation letter dated 21/08/2025 through PARIVESH on 24/08/2025.

7. 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 **'Upgradation of Existing 110 KV Kalwa-kalyan Transmission Line to 220 KV Level, District Thane, Maharashtra by M/s The Tata Power Company Limited'** under the provisions of the CRZ Notification, 2019 and amendments thereto, subject to the compliance of terms and conditions as under:-

Specific Conditions

S. No	Specific Conditions
1	All construction shall be strictly in accordance with the provisions of the CRZ Notification, 2019, as amended from time to time.
2	The Bird diverters of international standard should be installed at all sites with consultation of reputed institute in the field.
3	PP should obtain necessary prior clearance as per Forest Conservation Act, 1980 before commencing the construction of the project activity.
4	If any mangrove destruction involves, prior permission from Hon'ble High Court of Bombay should be taken for cutting of mangrove tree as directed <i>vide</i> order dated 17/09/2018 in the matter PIL no. 87 of 2006 before start construction of the project.
5	All the necessary precautions for general safety and health aspects of people/labour as per the existing norms should be considered during construction and operation phase.
6	During the construction phase as well as operational phase, water flow of adjacent creek should not be diverted or stopped.
7	All the mitigation measures listed in the EIA report should be implemented without any deviations.
8	Permanent labour camp, machinery and material storage shall not be set up in the CRZ area.
9	Any temporary physical infrastructure setup and excavated material during construction shall not be disposed in water bodies or adjacent areas and the site shall be restored to its original condition after completion of construction of work.
10	No groundwater shall be extracted within the CRZ area to meet the water requirements during the construction and/or operation phase of the project. Provisions for suitable rainwater harvesting should be made and implemented.
11	Temporary toilets will be provided for all construction labour. Suitable toilet fixtures for water conservation shall be provided. Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators of pressure reducing devices or sensor based control.
12	Topsoil excavated during construction activities shall be stored for use in horticulture/landscape development etc. within the project site.
13	Water quality of the entire creek should be monitored regularly to see the impact of construction and reclamation activities and submit the report to IRO of the Ministry.
14	Construction material and structures/scaffoldings erected for construction at site shall be cleared immediately after finishing construction and it shall be ensured that no construction waste, garbage and machinery or equipment are left post construction.

S. No	Specific Conditions
15	All the conditions stipulated by the Maharashtra Coastal Zone Management Authority for CRZ clearance under CRZ Notification, 2019 <i>vide</i> its letter no IA/MH/CRZ/488372/2024, dated 05/09/2024 and 21/08/2025 and commitments made by the PP before the MCZMA and EAC shall be followed in letter and spirit.
16	All necessary clearance from the concerned authority, as may be applicable should be obtained prior to commencement of project or activity.

General Conditions

S. No	General Conditions
1	Management of solid waste in accordance with the Solid Waste Management Rules, 2016 shall be strictly implemented.
2	'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.
3	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.
4	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.
5	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.
6	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.
7	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.
8	The Ministry of Environment, Forest & Climate Change or any other Competent Authority

S. No	General Conditions
	may stipulate any additional conditions or modify the existing ones, if necessary in the interest of environment and the same shall be complied with.
9	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.
10	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.
11	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.
12	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.
13	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.
14	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.
15	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.
16	The environmental statement for each financial year ending 31st 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.

8. 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.

9. 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.

10. 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.

11. 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.

12. 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.

13. This is issued with the approval of the Competent Authority.

(Dr. H. Kharkwal)

Scientist 'F' (CRZ)

Copy To

1. The Principal Secretary, Environment Department, Government of Maharashtra, Mantralaya, Madam Cama Road, Hutatma Rajguru Chowk, Nariman Point, Mumbai 400032, Maharashtra.

2. The Member Secretary, Maharashtra Coastal Zone Management Authority, Environment Department, 15th Floor, New Administrative Building, Opp. Mantralaya, Mumbai – 400032, Maharashtra

3. The Deputy Director General, Integrated Regional Office, Ministry of Environment, Forest and Climate Change, Ground Floor, East Wing, New Secretariat Building, Civil Lines, Nagpur- 440001, 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, Government of Maharashtra, Madam Cama Road, Hutatma Rajguru Chowk, Nariman Point, Mumbai 400032, Maharashtra.

6. Guard File/Monitoring File/Website/Record File.

(Dr. H. Kharkwal)

Scientist 'F' (CRZ)