



Ref. No.: TD-TRAN-ZONE-TPZO-LETR-100
Date: 16.05.2023

**The Additional Principal Chief Conservator of Forests (C)
Ministry of Environment, Forests and Climate Change
West Central Regional Office
Ground Floor, Eastern Wing
New Secretariat Building, Opposite Old VCA Stadium
Civil Lines, Nagpur – 440 001**

Sub: CRZ clearance 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.

Ref: MoEFCC letter no: F.No. 11-12/2022-IA.III dated 20.04.2022

Dear Sir,

With reference to the CRZ clearance received for Replacement of existing 110 kV Khopoli - Mankhurd and 110 kV Khopoli — Chembur transmission lines and towers at District Mumbai by Tata Power; we are submitting herewith six monthly compliance report for period of October 2022 to March 2023.

We have sent the soft copy of this Six-monthly compliance report on E-mail: ecompliance-mh@gov.in.

Thanking you,

Yours faithfully,

For The Tata Power Company Limited

**Vishwas Surange
Head - Transmission Projects (Zone II)**

Annexure I: CRZ clearance letter
Annexure II: Compliance report
Annexure III: Data Sheet

TATA POWER
The Tata Power Company Limited

Transmission Project Office Powai Receiving Station Near MTNL Hiranandani Powai Mumbai 400 076
Tel 91 22 6717 3475 Store 9122 6717 3482
Registered Office Bombay House 24 Homi Mody Street Mumbai - 400 001
CIN L28920MH1919PLC000567 • Website : www.tatapower.com • E-mail : tatapower@tatapower.com

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: 20th 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 17th 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 4th 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:-

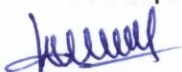
PART A – SPECIFIC CONDITIONS:

- (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 4th 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 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.

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.

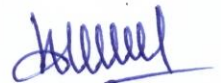
11. This issues with approval of the Competent Authority.



(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, 15th 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, 3rd and 4th floor, Opp. PVR Cinema, Sion Circle, Mumbai – 400022, Maharashtra.
6. Guard File / Monitoring File / Website/Record File



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

Title: Status of the conditions stipulated in CRZ Clearance	 THE TATA POWER COMPANY LIMITED	Period: October 2022 – March 2023
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Annexure II

Project: 110 kV Khopoli-Mankhurd and 110kV Khopoli-Chembur transmission Lines and towers by The Tata Power Company Limited.		
CRZ Clearance: MoEFCC letter no. F.No. 11-12/2022-IA.III dated 20.04.2022		
Sr. No.	Specific Conditions	Status
5A	SPECIFIC CONDITIONS	
i.	All construction shall be strictly in accordance with the provisions of CRZ notification, 2011 and as amended time to time.	Project is not yet started. This condition will be complied with during construction of the transmission towers.
ii.	The Project Proponent in consultation with Salim Ali Centre for Ornithology and Natural History (SACON) shall install bird diverters within stretch of Flamingo Sanctuary	Project is not yet started. This condition will be complied with during construction of the transmission towers. Tata Power has already consulted with SACON - Coimbatore and Bird Diverter selection shall be recommended as per the study to be conducted by SACON.
iii.	Prior forest clearance under Forest (Conservation) act 1980 for the diversion of forest land shall be obtained before the execution of the project.	Noted. Forest Clearance application is under process. Proposal is under examination at State Government level.
iv.	Prior Clearance from standing committee of NBWL shall be obtained if applicable	Noted.
v.	Prior approval of Hon'ble High Court Mumbai shall be obtained in view of direction issued in connection with cutting of mangrove trees and their conservation before execution of project.	Writ petition in Hon. Bombay High Court for permission to cut mangroves shall be submitted post receipt of Stage-I Forest Clearance.
vi.	The Project Proponent shall ensure the natural flow of creek water in project site	Noted & shall be complied with.
vii.	Excavated material during the construction shall not be dumped in water bodies or adjacent areas	Noted & shall be complied with.
viii.	No groundwater shall be extracted within CRZ area to meet water requirements during the construction / operation phase of the project	Noted & shall be complied with.
ix.	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 the completion of construction work.	Noted & shall be complied with.
x.	Permanent labor camp, machinery and material storage shall not be set up in CRZ area.	Noted & shall be complied with.

Title: Status of the conditions stipulated in CRZ Clearance	 THE TATA POWER COMPANY LIMITED	Period: October 2022 – March 2023
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Annexure II

Project: 110 kV Khopoli-Mankhurd and 110kV Khopoli-Chembur transmission Lines and towers by The Tata Power Company Limited.		
CRZ Clearance: MoEFCC letter no. F.No. 11-12/2022-IA.III dated 20.04.2022		
Sr. No.	Specific Conditions	Status
xi.	All the conditions stipulated by Maharashtra CZMA vide letter dated 4 th march 2022 and commitments made by PP before CZMA and EAC shall be followed in letter and spirit	Noted & shall be complied with.
xii.	All necessary clearance from concerned authority, as may be applicable should be obtained prior to commencement of project / activity.	Noted & shall be complied with.
5B GENERAL CONDITIONS		
i	Management of solid waste in accordance with the solid waste management rules 2016 shall be strictly implemented.	Noted & shall be complied with.
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.	Noted. Not applicable
iii	Disposal of muck during construction phase should not create any adverse effect on the neighboring 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.	Noted & shall be complied with.
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.	Noted & shall be complied with.
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.	Noted & shall be complied with.

Title: Status of the conditions stipulated in CRZ Clearance	 THE TATA POWER COMPANY LIMITED	Period: October 2022 – March 2023
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Annexure II

Project: 110 kV Khopoli-Mankhurd and 110kV Khopoli-Chembur transmission Lines and towers by The Tata Power Company Limited.		
CRZ Clearance: MoEFCC letter no. F.No. 11-12/2022-IA.III dated 20.04.2022		
Sr. No.	Specific Conditions	Status
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.	Noted
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.	Noted & shall be complied with.
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.	Noted
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.	Noted.
x	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.	Noted
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 environmental clearance under the provision of the Environmental protection act, 1986 for noncompliance.	Noted
xii	All other statutory clearances such as the approvals for storage of diesel from chief controller 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	Noted

Title: Status of the conditions stipulated in CRZ Clearance	 THE TATA POWER COMPANY LIMITED	Period: October 2022 – March 2023
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Annexure II

Project: 110 kV Khopoli-Mankhurd and 110kV Khopoli-Chembur transmission Lines and towers by The Tata Power Company Limited.		
CRZ Clearance: MoEFCC letter no. F.No. 11-12/2022-IA.III dated 20.04.2022		
Sr. No.	Specific Conditions	Status
xiii	The project proponent should advise in at least two local newspapers widely circulated in the region, one of which shall be in the vernacular language informing that project has been accorded with CRZ clearance and copies of clearance letters are available with State Pollution Control Board (SPCB) and may also be seen on the website of 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 the ministry.	Advertisements were published in daily Financial Express & Indian Express and Loksatta on 27.04.2022. Copies of newspapers have been forwarded to Regional office of MoEFCC at Nagpur vide our letter dated 17.05.2022.
xiv	A copy of the clearance letter shall be sent by project proponent to concerned Panchayat, Zilla Parishad / municipal corporation, urban local body and the local NGO if any, from whom suggestions / representations received if any, were received while processing the proposal.	Noted
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.	Noted & shall be complied with.
xvi	The environmental statement for each financial year ending 31 st 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.	Since transmission line project is linear project and not being a process industry, environmental statement in Form-V is not applicable.
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.	Noted

Title: Status of the conditions stipulated in CRZ Clearance	 THE TATA POWER COMPANY LIMITED	Period: October 2022 – March 2023
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Project: 110 kV Khopoli-Mankhurd and 110kV Khopoli-Chembur transmission Lines and towers by The Tata Power Company Limited.		
CRZ Clearance: MoEFCC letter no. F.No. 11-12/2022-IA.III dated 20.04.2022		
Sr. No.	Specific Conditions	Status
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.	Noted.
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.	Noted.
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.	Noted.
10	The above conditions shall be enforced, <i>inter-alia</i> 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	Noted

Monitoring the Implementation of Environmental Safeguards
Ministry of Environment, Forest & Climate Change
West-Central Zone, Regional Office, Nagpur
MONITORING REPORT

PART – I
DATA SHEET

1.	Project type: River – valley/ Mining/ Industry/Thermal/Nuclear /Other (specify)	Transmission Line Project
2.	Name of the Project	Replacement of existing 110 kV Khopoli - Mankhurd and 110 kV Khopoli – Chembur transmission lines and towers
3.	Clearance letter(s)/OM No. and date	CRZ clearance: F.No.11-12/2022-IA.III dated 20.04.2022
4.	Location:	
	a) District(s)	Raigad, Thane and Mumbai Suburban
	b) State(s)	Maharashtra
	c) Location	Village – Waghivali of Raigad District Village – Shahbaj of Thane District Village - Turbhe of Mumbai Suburban District
	d) Latitude/Longitude	Linear project (as given CRZ demarcation report)
5.	Address for correspondence: Address of the concerned Project Chief Engineer (with Pin Code & Telephone/ Telex/fax numbers & Address of the executive Project Engineer /Manager (with Pin Code /fax numbers	Mr. Hemant Atre, Group Head – Electrical, Transmission Projects, The Tata Power Company Limited, Dharavi Receiving Station, Near Shalimar Industrial Estate, Matunga, Mumbai 400 019 Tel: 022 6717 2096 Email: haatre@tatapower.com
6.	Salient features	
	a) Of the project	These existing transmission lines are more than 70 years old. There are total 20 towers in these two transmission lines which are going to be replaced. These towers were exposed to pollution, saline atmosphere, extreme sun, heavy rains and high winds over the years. Their continuous maintenance is being done, but existing towers may collapse as their foundation is in dilapidated stage. Hence these 20 towers along with existing transmission lines need to be replaced for continuous power supply to Mumbai region. Hence, it is proposed to replace total 20 transmission towers (13 in creek, 5 in adjacent mangrove area, 2 in non-mangrove area) of 110 kV Khopoli – Mankhurd and Khopoli -Chembur transmission Lines

		and towers in and near Vashi Creek (13 towers) and Vaghivali Creek (7 towers) with the same voltage capacity and within same Right of Way.
	b) Of the Environmental Management plans	<p>Environmental Management Plan is prepared with the main objective of enlisting all the requirements to ensure effective mitigation of adverse impacts for all the components of the proposed project. The objectives taken into account in preparation of EMP are summarized here as follows:</p> <p>a) There should be an environment management cell, which will mitigate potential environmental impacts arisen during construction, operation and maintenance of proposed project. b) To define the role of project proponent for the responsibilities during construction, operation and maintenance phases. c) To comply with the stipulated enviro-legal requirements and standards, d) To direct the steps to be followed, for effective maintenance and regulation of infrastructure facilities provided.</p>
7.	Break up of the project area	
	a) Submergence area: forest & Non-forest	Forest area under diversion = 1.5131 ha. Non-forest area under project = 12.18 ha.
	b) Others	Not Applicable
8.	<p>Break-up of the project affected population with enumeration of those losing houses/dwelling units only, agricultural land only, both dwelling units & agricultural land & landless laborers/artisans</p> <p>a) SC, ST/Adivasi b) Others</p> <p>(Please indicate whether these figures are based on any scientific and systematic survey carried out or only provisional figures, if a survey is carried out give details & year of survey)</p>	Since this project involves replacement of Transmission towers in Creek and Mangrove Forest area, no population is losing any houses/dwelling units due to project activities.
9	Financial details	
	a) Project cost as originally planned and subsequent revised	Rs. 28.89 Crores as per FY 2019

	estimates and the year of price reference				
	b) Allocation made for environmental management plans with item wise and year wise break up	Environmental Controlling Measures	Indicative Expenditure (Rs. In Lakhs)	Operation and Maintenance (Rs. In Lakhs)	Remarks
		Mangrove afforestation	Approx. 20	0	Will be deposited with Mumbai Mangrove Foundation
		Installation of Bird Diverters on Transmission lines	Approx. 15	0	Transmission lines will be visible to birds
		Environment Monitoring Program (Site inspection, marine monitoring at 2 locations/ 2 times per year)	0	Approx. 15	During Construction and Operation phase (Rs. 0.5 Lacs/ year for lifetime 25 years)
		Total	35 Lakhs	15 lakhs	
	c) Benefit cost ratio/internal rate of Return and the year of assessment	IRR : 15 % FY22			
	d) Whether (c) includes the cost of environmental management as shown in the above	YES			
	e) Actual expenditure incurred on the project so far	NIL, as project is yet to start			
	f) Actual expenditure incurred on the environmental management plans so far	NIL, as project is yet to start			
10.	Forest land requirement				
	a) The status of approval for diversion of forest land for non-forestry use	Proposal for Forest Clearance for 1.5131 ha. Mangrove forest land diversion has been recommended by DFO – Kurla on 30.05.2022. It is under process at APCCF Mangrove Cell, Mumbai.			
	b) The status of clearing felling	NIL; as project is yet to start			
	c) The status of compensatory afforestation programme in the light of actual field experience	NIL; as project is yet to start			
11.	The status of clear felling in non-forest area (such as submergence area of reservoir, approach roads) if any with quantitative information	NIL; as project is yet to start			

12.	Status of construction	
	a) Date of commencement (actual and/or planned)	Planned Date of commencement: October 2022
	b) Date of completion (actual and/or planned)	Planned Date of completion: March 2024
13	Reasons for the delay if the Project is yet to start	NIL; as project is yet to start, Forest Clearance is under process.
14	Dates of the site visits	
	a) The dates on which the project was monitored by the regional officer on previous occasions, if any	NIL
	b) Dates of site visits for this monitoring report	NIL; as project is yet to start
15	Details of correspondence with project authorities for obtaining action plan/information on status of compliance to safeguards other than the routine letters for logistic support for site visit.	NIL; as project is yet to start