

F.No. 11-22/2021- IA III
Government of India
Ministry of Environment, Forest and Climate Change
IA-III Section (CRZ)

Indira Paryavaran Bhawan
Jorbagh Road,
New Delhi -3
Dated: 28th October, 2021

To,

The Vice President
M/s Kharghar Vikhroli Transmission Pvt. Ltd.
1st Floor South Wing,
Adani Corporate House,
Near Vaishnodevi Circle,
S G Highway, Ahmedabad-382421
Gujarat

Subject: CRZ clearance for 400 KV Vikhroli receiving Station and associated incoming transmission lines for strengthening of Mumbai Transmission System by M/s Kharghar Vikhroli Transmission Pvt. Ltd.- regarding.

Sir,

This has reference to your online proposal No. IA/MH/CRZ/218894/2021 received in this Ministry 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 proposal was considered by the Expert Appraisal Committee (EAC) for Infrastructure Development, Coastal Regulation Zone, Building / Construction and Miscellaneous projects, in its 270th EAC held on 11/08/2021 respectively. The details of the project as per the documents submitted and presented during the aforesaid meeting are as under:

- (i) The proposed transmission lines project would enable additional power supply of 1000 MW to be brought into Mumbai and suburbs, thereby helping to meet the ever-increasing energy demands of the city. The execution of such a public utility project will help the city of Mumbai in getting economic power from other sources, thus benefitting the consumers of Mumbai, in terms of assuring 24X7 supply, at competitive rates. The proposed transmission lines project is thus, premised on meeting the present and future energy requirements in an efficient and sustainable manner.
- (ii) The proposed project is for construction of overhead transmission line with involves installation of 47 intermittent transmission towers over the length of about 14.5 km.



- (iii) The Loop-In-Loop-Out (LILO) of 400kV Talegaon-Kalwa transmission line starts from tower no. 197A and terminates at Vikhroli substation [Approximately 12 km]. The transmission line will be further extended starting from Vikhroli substation and join at tower no 63 of 400 KV Kharghar Vikhroli line [Approximately 2.35 km].
- (iv) Total area of the project is 75.6135 ha. out of which 52.5549 ha. area is under forest and 23.0586 ha. is non-forest.
- (v) The proposed project falls in CRZ –I (A), I(B), II & IV(B). The details are as below:

CRZ area	Tower Number
CRZ IA	8,15, 16, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 67, 68
CRZ IA (50 m Mangrove Buffer)	197 A, 1, 2, 3, 4, 5, 6, 9, 11, 12, 17, 19, 21, 32, 36, 64,65, 66, 69
CRZ IB	7,10,18,20
CRZ II	13, 14
NON CRZ	Dead End Tower 1, Dead End Tower 2, 33, 34, 35, 37,70

- (vi) The CRZ map of 1:4000 scale was prepared by Institute of Remote Sensing, Anna University, Chennai.
- (vii) The project site is accessible from Eastern Express Highway and Mulund-Airoli Bridge. Access to Tower number 197A, 1, 2 and 3 is proposed by providing temporary access road beyond existing roads connected to Mulund-Airoli bridge road. Tower number 35, 36 and 37 has direct connectivity from eastern express highway. Access to remaining Tower locations is proposed by providing temporary access roads beyond existing internal roads connected to eastern express highway.
- (viii) The project involves total forest / mangrove area of 71.6135 ha. Thus total 1854 no. of mangrove trees have likely to be cut.
- (ix) A compensatory mangrove tree plantation in 1:6, which is more than existing norms will be carried out at the suitable locations in coordination with Forest Department and Mangrove Cell, leading to creation of the new habitat.
- (x) In addition to this a compensatory afforestation shall be raised over degraded forest land twice the extent of the forest area being diverted in respect of the proposed project.
- (xi) The proposed project involves erection of transmission towers and stringing of transmission lines with RoW of 46 m. The RoW passes through Thane Creek Flamingo Sanctuary at Tower no. 3 and 5 covering about 404m length.
- (xii) Considering total 47 Tower locations, the excavated quantity is estimated to be about 8500 m³. Excavated soil will be reused for backfilling and compacting tower base during foundation work.
- (xiii) Water requirement for construction purpose will be 146 KLD and 13.5 KLD for drinking purpose. The water requirement for the construction phase will be sourced through Tankers.

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- (xiv) During construction phase, diesel operated equipment such as piling rig will be used. DG Set of up to 250 kVA may be required for illumination purpose only if required, as most of the work is carried out during the day light.
- (xv) Domestic waste which will be collected and segregated by providing separate bins on site and will be handed over to authorized vendors for further processing.
- (xvi) Oil waste, if any generated during construction phase will be handled as per Hazardous and Other Waste (Management & Trans Boundary) Rules 2016. The project will generate employment opportunity for about 300 peoples from all skilled, semiskilled and unskilled streams during different stages of construction and about 20 peoples during operation phase.
- (xvii) Total manpower required during construction of the project will be 300 and provision for employment opportunities for local labours.
- (xviii) Total construction waste generation during the construction phase from the excavation is estimated to be 8500 m³. Excavated soil will be reused for backfilling and compacting tower base during foundation work. Total domestic waste generated from 300 workers during construction phase is estimated to be 75kg/day.
- (xix) The total estimated cost of the project is approximately INR 185.12 crore.
- (xx) The Maharashtra Coastal Zone Management Authority has recommended the proposal for clearance vide its letter No. CRZ 2021/CR 37/TC 4 dated 30/06/2021.

3. Based on the recommendation of the Maharashtra Coastal Zone Management Authority (MCZMA) issued vide its letter No. CRZ 2021/CR 37/TC 4, dated 30th June, 2021 and information submitted as at para no. 2 above and information provided during the presentation before the Expert Appraisal Committee and others, the Ministry of Environment, Forest and Climate Change, in acceptance of the recommendation of the Expert Appraisal Committee (CRZ), hereby accords CRZ Clearance to the above project viz '400 KV Vikhroli receiving Station and associated incoming transmission lines for strengthening of Mumbai Transmission System', for CRZ clearance, under the provision of CRZ Notification, 2011 and amendments thereto and circulars issued thereon, and subject to compliance of the following specific and general conditions as under:

PART A – SPECIFIC CONDITIONS:

- (i) All construction shall be strictly in accordance with the provisions of CRZ Notification, 2011 and as amended from time to time.
- (ii) Prior High Court permission shall be obtained since the alignment of transmission line is passing through mangroves areas.
- (iii) Prior Clearance from the Standing Committee of the NBWL shall be obtained as RoW passes through Thane Creek Flamingo Sanctuary.
- (iv) Forest Clearance under Forest (Conservation) Act, 1980 shall be Obtained. This clearance is subject to prior clearance under Forest (Conservation) Act, 1980 for diversion of 52.5549 ha. of forest area for proposed project.

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- (v) Six times of compensatory mangrove tree plantation should be done against the mangrove cut as committed at the suitable location in coordination with the Forest Department and Mangrove Cell.
 - (vi) The bird diverters should be installed in transmission line so as to avoid accidental collision of birds i.e. Flamingos etc. with support of reputed institutions.
 - (vii) No excavated material during the construction shall be dumped in water bodies or adjacent areas to avoid blockage. The site shall be restored to its near original condition after completion of construction of work by removing all debris to facilitate free flow of water.
 - (viii) No groundwater shall be extracted within CRZ area to meet the water requirements during the construction and / or operation phase of the project.
 - (ix) Any temporary physical infrastructure setup during construction period shall be removed simultaneously with completion of laying of each segment of the project.
 - (x) All necessary clearance from the concerned authority, as may be applicable should be obtained prior to commencement of 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) No permanent labour camp, machinery and material storage shall be allowed in CRZ area.
- (iv) 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.
- (v) 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.
- (vi) 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.

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- (vii) 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.
- (viii) 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.
- (ix) 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.
- (x) 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 Environment (Protection) Act, 1986.
- (xi) The above stipulations would be enforced among others under the provisions of the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991, the EIA Notification, 2006 and the extant CRZ regulations.
- (xii) 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.
- (xiii) In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.
- (xiv) 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.
- (xv) 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.
- (xvi) 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 <http://www.envfor.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.

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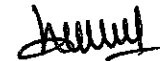
4. This Clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs Union of India in Writ Petition (Civil) No.460 of 2004 as may be applicable to this project.

5. Any appeal against this 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.

6. 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.

7. 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.

8. 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 company 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.



(Dr. H. Kharkwal)
Additional Director /
Scientist 'E' (CRZ)

Copy to:

1. The Secretary, Environment Department, Government of Maharashtra, 5th Floor, New Administrative Building, Mantralaya, Mumbai-400032, Maharashtra.
2. The Chairman, (Environment) & Additional Secretary, Environment Department, Maharashtra Coastal Zone Management Authority, Government of Maharashtra, 5th Floor, New Administrative Building, Mantralaya, Mumbai – 400032, Maharashtra.
3. The Member Secretary, Maharashtra Coastal Zone Management Authority, Government of Maharashtra, Environment Department, 5th Floor, New Administrative Building, Mantralaya, Mumbai-400032, Maharashtra.
4. The Member Secretary, Maharashtra Pollution Control Board, Maharashtra Pollution Control Board, Kalpataru Point, 3rd and 4th floor, Opp. PVR Cinema, Sion Circle, Mumbai-400022, Maharashtra.
5. The Deputy Director General, Ministry of Environment, Forest and Climate Change, Regional Office (WCZ), Ground Floor, East Wing, New Secretariat Building Civil Lines, Nagpur- 440001, Maharashtra.
6. Guard File/ Record File/ Notice Board.
7. Monitoring Cell.



(Dr. H. Kharkwal)
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