

SITE INSPECTION REPORT OF 6.0760 HA OF FOREST LAND (ZUDPI JUNGAL) UNDER THE FOREST (CONSERVATION) ACT, 1980 FOR CONSTRUCTION OF 220 KV KALMESHWAR SUBSTATION TO 220KV WARUD SUBSTATION TRANSMISSION LINE IN NAGPUR DISTRICT STATE OF MAHARASHTRA.

Name of the Inspecting Officer- C. B. Tashildar, IFS, Assistant Inspector General of Forests (Central), MoEF&CC, Regional Office, Nagpur.

Officials from the State Forest Department:

1. Sh. Pandurang Pakhale, ACF, Nagpur Forest Division.
2. Sh. Deepak Bagde, RFO.

Officials from the User Agency:

1. Ex.Engineer MSETCL : Sh. Jaywant M. Kokate
2. Addl Ex. Engineer MSETCL: Sh. Pavan K. Alhane

Date of Site Inspection: 18/09/2024

A. Legal status of the forest land proposed for diversion:

Sr. No.	Forest Division	Reserved Forest (Ha.)	Protected Forest (Ha.)	Private Forest (Ha.)	Total Forest (Ha.)
1	Nagpur	6.0760	0	0.000	6.0760
	Total	6.0760	0	0	6.0760

Details of Forest Patches involved in the Forest Divisions:

Sr.No.	Forest Division	No of Forest Patches	Area (Ha.)	Density
1	Nagpur	16	6.0760	0.4
	Total	16	6.0760	

I. B. Item-wise break-up details of the forest land proposed for diversion:

The total forest area of 6.0760 ha. has been proposed for construction of the Transmission line. The Proposed RoW for the transmission line is 35 metres. Ground clearance of 7 metre will be maintained.

II. C. Whether proposal involves any construction of buildings (including residential) or not. If yes, details thereof: No

D. Total cost of the project at present rates: Total cost of the project is Rs. 11938.59 Lac

III. E. Wildlife:

1. Whether forest area proposed for diversion is important from wildlife point of view or not:

The proposal passes through Bor-Pench Tiger Corridor in Eastern Vidharba Landscape. Total Wildlife area involved is 30.6845 ha. (non-forest area = 29.484 ha and forest area= 1.20 ha). The proposal was placed before the 79th Meeting dated 23/08/2024 of the NBWL and approved. Wildlife clearance proposal No. WL/MH/TRANS/450298/2023.

2. Vegetation:

As per Part – II of Nagpur forest Division, the proposed forest area is primarily a mixed forests with species like *Tectona grandis*, *Butea monosperma*, *Diospyros peregrine*, and other Misc. Species.

i. Details of total number of trees to be felled:

The proposal involves total 265 number of trees in the entire RoW of 35 metres. All 265 trees are proposed to be felled down during construction/stringing of conductors and medicinal plantation will be grown below the conductor.

Sr. No.	Forest Division	Density	Total Nos of trees enumerated	Tentative No of Trees to be felled	Tentative Trees to be kept intact
1	Nagpur	0.4	265	265	0
	Total	0.4	265	265	0

ii. Effect of removal of trees on the general ecosystem in the area.

The area proposed for diversion has a mixed forest with miscellaneous species with average density 0.4. The loss of trees will be compensated via compensatory afforestation.

IV. F. Background on the proposal:

Following is the background as informed by the User Agency and State Forest Department:

This is Extra High Voltage electricity transmission line project transmitting power in Amravati District from 220KV Kalmeshwar Substation to 220KV Warud substation. This project will meet power demands of people of Taluka Warud of District Amravati. Due to this line, voltage upgradation in said area will satisfy power need for industrial residential and agricultural area.

The route of transmission line connecting 220KV Katol substation to 220KV Warud substation is technically surveyed and approved in year 2008 avoiding any forest interception at that time, but when the project was at near-completion stage in the year 2021, some of the land was found to be forest land. As the route was previously finalized and Part of the line was constructed it is not possible to change the route at this stage.

The proposed 220KV Kalmeshwar Warud Transmission line, is passing through forest area at village Tarabordi, Pardi(Gotmare), Bordoh, Pathar, Bhajipani, Dongargaon, Salai Rithi of Tehsil Katol of Nagpur District. The line is aligned as per technical requirement of transmission line, which is passing through forest area of Katol Tehsil of Nagpur District. No non-forest land is available and forest area is bare minimum for the said transmission line.

G. Compensatory afforestation:

Compensatory afforestation has been proposed over degraded forest land, double in extent to the forest land being diverted. Total of 12.50 ha of degraded forest land of village Kurhad Taluka Ghatanji Dist. Yavatmal has been identified for raising CA comprised of single patch as per details given below:

Sr. No.	Forest Division	Compartment No	Area (Ha.)
1	Pandharkawda	251	12.50

	Total		12.50
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1. Whether land for compensatory afforestation is suitable from plantation and management point of view or not: .Yes.

2. Whether land for compensatory afforestation is free from encroachments/other encumbrances: Yes.

3. Whether land for compensatory a forestation is important from Religious/Archaeological point of view: No.

4. Land identified for raising compensatory a forestation is in how many patches, whether patches are compact or not: Examination of the kml/shape file revealed that land parcel in single patch has been identified for raising CA. Detailed CA scheme, along with the financial out lay of Rs. 1,14,68,453.27 has been submitted.

5. Map with details:

DGPS survey report, along with maps, of the area identified for CA for land parcel of single patch along with its kml/shapes files has been submitted.

6. Total financial outlay: Rs. 1.146 crores

H. Whether proposal involves violation of Forest (Conservation) Act, 1980 or not. If yes, a detailed report on violation including action taken against the concerned officials.

The user agency has already completed the work on non-forest land as well as on 4.6410 ha of forest land. The nature of violation is construction of towers and stringing operation. Violation report has been submitted by the State Forest Department. A brief note is attached as **Annexure 1**.

I. Whether proposal involves rehabilitation of displaced persons. If yes, whether rehabilitation plan has been prepared by the State Government or not. Details be furnished specifically if rehabilitation plan would affect any other forest area by trans-locating outstees in and around the said forest: No

J. Reclamation Plan: Not Applicable

K. Details on catchment and command area under the project: Not Applicable.

L. Cost benefit ratio: Not applicable

M. Recommendations of the Principal Chief Conservator of Forests/ State Government: Attached in the proposal.

N. Recommendations of Deputy Director General of Forests along with detail reasons: Separately attached,

O. Detailed comments on whether there are any alternatives routes/alignments for locating the project on the non-forest land:

No alternative route was examined as the alignment was finalized in the year 2008 and forest land was detected during the course of the work.

P. Utility of the project. Numbers of Scheduled Castes/Scheduled Tribes to be benefited by the project:

This project is a part of National Grid and a vital link for bulk power transfer in the State by creating strong transmission link with adjoining substations.

Q. Whether land being diverted has any socio-cultural/religious value. Whether any sacred grove or very old grown trees/forests exists in areas proposed for diversion: As per information submitted in Part-II, the area is not important from the socio cultural/ religious viewpoint.

R. Situation w.r.t. any Protected Area:

The proposal passed through Bor-Pench Tiger Corridor in Eastern Vidharba Landscape.

S. Any other information relating to the project:

1. Photographs (attached).
2. Details of areas inspected is attached as **Annexure 2**.



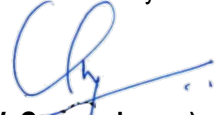
(C. B. Tashildar)

Assistant Inspector General of Forests (Central)

Recommendation of the Deputy Director General of Forests (Central), RO, Nagpur

The proposal is recommended subject to the following:

1. The User Agency has already completed the work in non-forest land and some portions of the forest land proposed for diversion. Appropriate levies/fine/action as deemed fit within the Rules and Guidelines may be realised from the User Agency.



(Dr. V. George Jenner)
DDGF(Central), RO, MoEF&CC, Nagpur

Photographs



Location of towers constructed on forest land proposed for diversion



220KV Kalmeshwar Warud Tr line
Violation are and Non-Violation area statement

Sr. No.	Village	Gut No.	Length (m)	Width (m)	Area (Ha)	Remarks
A) Violation Area						
1	Salai Rithi	28	231	35	0.8085	Tower and Stringing
		63	146	35	0.5110	Tower and Stringing
2	Karla	68	55	35	0.1925	Stringing
		63	84	35	0.2940	Stringing
3	Dongargaon	126	68	35	0.2380	Stringing
		116	75	35	0.2625	Stringing
		89	16	35	0.0560	Stringing
		70	106	35	0.3710	Stringing
		70	75	35	0.2625	Stringing
		70	87	35	0.3045	Stringing
4	Bhajipani	6	21	35	0.0735	Stringing
		7	19	35	0.0665	Stringing
		16	143	35	0.5005	Stringing
		21	135	35	0.4725	Tower and Stringing
5	Pathar	48	37	35	0.1295	Stringing
6	Bordoh	34	28	35	0.098	Stringing
Sub tota (A)					4.6410	
B) Non -Violation Area						
1	Dongargaon	70	132	35	0.4620	No work done
2	Pardi(Gotmare)	74	153	35	0.5355	No work done
3	Tarabordi	88	33	35	0.1155	No work done
		64	92	35	0.3220	No work done
Sub total (B)					1.4350	
Total (A+B)					6.0760	

Annexure 2

Sl no	Forest division	Forest range	Type of Forest	Vilage Name	Comp No / Khasra no	No of trees in 35 mtr	Tentative of trees to be felled	Pillar points	Easting	Northing
1	Nagpur	Katol	R.F.	Tarabordi	88,64	94	All	1	261984.12	2351469.96
								2	261859.98	2351481.92
2	Nagpur	Katol	R.F.	Pardi	74	61		4	255186.12	2355894.08
								5	255127.08	2354034.96
3	Nagpur	Katol	R.F.	Bordoh	34	40		6	254444.88	2355911.98
								7	254434.00	2355937.00
4	Nagpur	Katol	R.F.	Pathar	48	28		8	253920.13	2357279.90
								9	253901.00	2357311.88
5	Nagpur	Katol	R.F.	Bhajipani	16	23		11	253746.49	2357574.79
								12	253673.89	2357697.06
6	Nagpur	Katol	R.F.	Dongargaon	89,126, 116	19		15	253301.97	2358336.01
								19	252980.92	2358947.74
7	Nagpur	Katol	R.F.	Salai rithi	63, 28	0		24	251633.00	2360131.00
								27	250919.68	2360784.00
8	Nagpur	Katol	R.F.	Karla	68, 63	0		28	250124.41	2360704.09
								31	249844.00	2360674.00