

:: TANTRANSCO ::

From
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General Construction Circle,
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To
The Principal Chief Conservator of Forests,
(Head of Forest Force),
Panagal Maaligai,
Saithapet,
Chennai 600 015.

Lr.No.SE/GCC/CBE/AEE/MONI/F.Parali 400/230 KV SS /D.Camp/22, dt. 31.03.2022

Sir,

Sub : TANTRANSCO – GCC / CBE – Improvement of 230 KV SS into
400 KV SS at Parali – Forest clearance for utilizing 4.85
Hectare leased land - defects / short falls – Reply – furnishing –
Regarding.

Ref : PCCF / Chennai's Letter No.C. No.TS3/43555/2021,
Dt.18.12.2021

Forest clearance for utilizing 4.85 Hectare leased land already
applied in online PARIVESH Portal on 19.11.2021 vide proposal no: FP/TN/Substation
/ 149440/2021. The PCCF / Chennai has returned the proposal due to 17 nos defects
/ short falls vide reference cited. These defects / short falls are explained as below.

Defect / Short fall No.3 :

Note containing justification for locating the project in forest area has not
been furnished:

- The establishment of 400/230 kV substation at Parali in Coimbatore operation Circle is envisaged as strengthening measure to evacuate power from Kundha Pumped storage Hydro Electric power project (Kundah VII) for which the Forest Clearance was already obtained for diversion of 30 Ha. of forest land.
- Load flow study has been conducted for the establishment of Parali 400/230 kV substation has been observed that the generation of 500MW from Kundha VII gets dispersed in Karamadai Substation and line loading is found to be normal.
- The Existing 230Kv Kundha PH II (Keddhai) to Kundha PH III (Parali) and Kundah PH III to Karamadai with Kundha conductors has been commissioned during the year 1965 and served 55 years as against life period of 35 years due to ageing of the conductor in the existing corridor of 230 kV line, the sag is more, and ground clearance is not adequate in many locations. Further the

snapping of conductor and spark generated due to the above may cause fire and endanger to flora and fauna.

- During establishment of substation at Parali this existing power corridors are proposed to reconstruct with Zebra conductors to maintain minimum adequate ground clearance in respective of terrain and Voltage level, which was insisted by Forest Department frequently.
- The line loss: Parali site is located at junction place connecting PH II, PH III & PH IV. improvement of 230 kV to 400 kV, the line loss will be reduced during transmitting at 400 kV Voltage level instead of 230 kV.
- The site proposed at Parali by utilizing the Quarters land which was already under possession by TNEB from 1965 onwards on lease basis so as to avoid further diversion of Forest land.

Yours faithfully,


31/3/2022
**SUPERINTENDING ENGINEER,
GCC/ COIMBATORE.**