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Site Inspection Report of Chief Conservator of Forests, Eastern Arunachal Circle, Tezu

Project Name: 132 KV S/C on D/C Tower Transmission Line from Tezu to Halaipani
Proposal No. FP/AR/TRANS/153585/2022

The area for diversion of forest land for construction of 132 KV S/C T/L on D/C Towers from Tezu to Halaipani in Arunachal Pradesh under comprehensive scheme project for strengthening of transmission and distribution in Arunachal Pradesh was inspected by me along with DFO Anjaw & his team and DGM Power Grid & his team on 28.2.2023 and 01.03.2023.

The T/L starts from Tezu Gantry at Khoraliang 132 KV sub-station, Tezu situated at 223178.51 E and 3092740.70 N. The total length of the T/L is 95.470 Km with an area of 257.766 Ha and 27 mtr RoW and is being executed by Power Grid Corporation of India through an MoU with State Govt. As per statement of case, 61.037 km with 164.797 Ha is passing through RFs while 34.433 km with 92.969 Ha is passing through USF in following three forest divisions as shown below.

Division	Category of Forest	Length of T/L proposed in Km	Area in Ha	Total area in Ha
Lohit	Tafragam AFR	6.945	18.749	90.604
	Denning RF	12.332	33.296	
	Delei Proposed RF	14.281	38.559	
	Total	33.558	90.604	
Anjaw	Delei Proposed RF	25.983	70.154	163.123
	USF	34.433	92.969	
	Total	60.416	163.123	
Namsai	Kamlang RF	1.496	4.039	4.039
	Total	95.47	164.797	257.766

The T/L from Khoraliang sub-station, Tezu initially runs on the LHS of Tezu-Hayuliang road through Tafragam AFR parallel to the existing Tezu-Namsai 132 KV T/L. After about 10 km, the T/L crosses towards the RHS of the road at 229172 E and 3090912 N and continues through the hills towards the new Brahmakund road ahead of Demwe till it reaches TB 'Y junction' point. The T/L from tower AP/53 on RHS crosses the road and the 132 KV Tezu- Namsai T/L to tower AP/53. The jurisdiction of Tezu Forest Division ends at tower AP/ 83 at Tidding Bridge and enters the jurisdiction of Anjaw Forest Division at tower AP/ 84. Then it runs through Delei RF of Hayuliang Range under Anjaw FD till tower AP/ 197. Thereafter, the T/L enters in the USF area of Anjaw Forest Division from tower AP/ 198 at Dau River/ bridge till tower AP/ 322 near Chunu at 259416 E and 3107497 N which is the site of a new bridge of another proposal Hayuliang-Anjaw road. The T/L crosses over to AP/ 323 in Namsai FD and runs in Kamlang RF till AP/ 328 which is the end point after which it enters the Halaipani (Marbo) substation in Hawaii township at 282064 E and 3088503 N.

The proposed alignment runs through hills, at times crossing the road, but does not appear to have any site important from archeological point of view though it crosses about 5 km near to Parshuram Kund which is a site of religious importance. There are apparently no defense

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installations though it passes close to the headquarter of Commandant 48 BRTF Demwe. The area is mostly forested and most of the area/ alignment passes through mild undulating terrain and hilly portion so the area may become prone to erosion unless specific engineering and vegetative measures are taken.

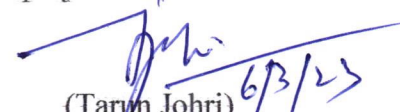
As per proposal, it is seen that the present alignment of 95.470 Km length is apparently the longest of the three options with the other two being of 92.40 Km and 89.47 Km lengths. On enquiry, the DGM Power Grid informed the reason being technical viability and specification as per DPR including lesser number of angle points and hill length in the proposed alignment. It was also clarified by UA that the original site for sub-station was at Halaipani but it was later shifted to Hawaii township at Marbo and named Halaipani (Marbo) sub-station. The earlier designated site at Halaipani has been earmarked for 33 KV sub-station which is another new proposal being processed for 33 KV Tezu- Halaipani T/L for distribution of power.

It was seen that the construction of Halaipani (Marbo) sub-station being the end point had begun. On enquiry, the DGM Power Grid informed that it is a private land within Hawaii township, which is the district hqtr of Anjaw Diistrict, which had been acquired by UA from private individual. However, the RO Walong of Anjaw Forest Division insisted that the whole of Anjaw township is situated inside the excluded portion of 20 sq km in Kamlang RF of Namsai Forest Division. The notification No. FOR.119/ 68 dt 13.8.81 of 1761.28 sq km of Kamlang RF as available in office records, however, does not mention any excluded portion.

Earlier, the proposal as submitted by UA showed some area of Anjaw FD to be falling in Namsai FD. After being pointed out by the DFO Namsai, the area calculation was corrected by the UA as 4.039 Ha in Namsai Division instead of earlier 9.582 Ha. Similarly the area falling in Anjaw Division is presently corrected as 163.123 Ha instead of the earlier 157.58 Ha. This corrected statement of forest land proposed to be diverted has been replaced by the UA in the copies of Anjaw and Namsai Forest Divisions. But these have not been perhaps replaced in Lohit Forest Division as result of which the calculations of area shown by DFO Lohit in his Part II and site inspection report may not exactly match. In this connection, this office letter No. EAC/Cons-271/2022/98-99 dt. 13.1.2023 may be referred, if need be.

It may also be relevant to mention that another proposal of 33 KV T/L from Hayuliang to Halaipani is being processed near the same area by the same UA for distribution of power. The cost of present project of 95.47 km length of T/L has been stated to be 64 crores approx by DGM PGCIL while NPV for 257.766 Ha is Rs. 31 crores approx. and cost of CA plantation over double the area of 515.5 Ha is Rs.62 crores approximately which may make any proposal unviable.

The present proposal of 132 KV S/C on D/C Tower Transmission Line from Tezu (Khoraliang) sub-station to Halaipani (Marbo) sub-station is for improvement of power scenario in Arunachal Pradesh for the benefit of the public and the project is recommended.


(Tarun Johri) 6/3/23
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