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Site Inspection Report of CCF, Southern Arunachal Circle, Deomali for diversion of **136.458 Ha** of forest land for construction of 132 KV S/C Transmission Line from Changlang to Jairampur Net Length 50.54 Km through POWERGRID by Deptt of Power, GoAP as UA.

**Proposal No:** FP/AR/TRANS/145264/2021  
**Name of Project:** 132 KVT/L from Changlang to Jairampur  
**Date of Inspection:** 11 – 12 March, 2022

The proposal 132 KV T/L from Changlang to Jairampur is a sub-project which is conceived under GOI Project namely "Comprehensive Scheme for strengthening of Transmission and Distribution System in Arunachal Pradesh (a Central Govt. Project funded by GoI being implemented by POWERGRID). The Executive Engineer, Miao has submitted the Form I on behalf of Deptt of Power, GoAP which is the User Agency and the Project is being implemented by Power Grid Corporation of India through an MoU signed between two.

The total length of 132 KV T/L is 50.54 Km with a RoW of 27 mtr and so total area involved for diversion for construction of transmission line is 136.458 Ha. This total area falls in 2 Forest Divisions and so the UA has submitted 2 sets of documents to both forest divisions separately for their respective areas. The entire area of 59.8482 Ha in Changlang Social Forestry Division falls in USF while the area of 76.6098 Ha in Jairampur Forest Division falls in both USF (38.1915 Ha) and 2 RFs (38.4183 Ha) as below.

S N	Forest Division	Total area diverted	Category of Forest	Break up of Area Involved in T/L		
				Km	No of Towers	Area in Ha
1	Changlang	59.8482	USF	22.166	74	59.8482
2	Jairampur	76.6098	USF	14.145	47	38.1915
			Khatang RF	9.414	32	25.4178
			Honkap RF	4.815	16	13.0005
	<b>Total</b>	<b>136.458</b>		<b>50.54</b>	<b>169</b>	<b>136.458</b>

As per enumeration list submitted by DFO Changlang SFD the number of trees enumerated is 259 and 146 poles totaling to 405 with a total valuation of Rs.18,22,000 including cost of bamboo and roofing leaves. As per enumeration list submitted by DFO Jairampur FD the number of trees enumerated is 681 and 99 poles totaling to 780 with a valuation of Rs.23,71,505.

The area was inspected by me on 11<sup>th</sup> and 12<sup>th</sup> March, 2022 along with DFOs Changlang and Jairampur and their staff and POWERGRID officials. There are 169 towers out of which Tower 1 to 74 over a length of 22.166 Km with an area of 59.8482 Ha falls under the jurisdiction of Changlang SFD while 95 towers from Tower 75 to 169 over 28.374 Km length with 76.6098 Ha area falls in the jurisdiction of Jairampur FD. The towers 1 to 7 run on hill tops on the LHS of Yatdam-Changlang road. Thereafter, the T/L crosses the road several times from LHS to RHS and vice versa like Tower 8 to 9 crosses the road at Changlang 11 Km milestone and near Rangfrah College New campus towards Manmow.

In Jairampur Division, Manmow is about 45 km from Jairampur and Tower 84 is on Phinbro road which is another about 4 km from Manmow at 27° 14' 5.4" N and 95° 53' 28.1" E. Towers 84 to 94 are located on the RHS of this Manmow-Phinbro road in USF area and also crosses the Manmow- Jairampur road between Tower 93-94. Tower 116 is adjacent to Jairampur-Manmow road at 27° 16' 59.6" N and 95° 58' 46.9" E. Similarly, Tower 128 is located at 27° 17' 35.0" N and 96° 01' 29.4" E and again crosses the road at Tower 134 and runs on the same side till Tower 169 to culminate at Jairampur substation.

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Thus, most of the towers are situated away from the main road and the T/L connects from tower to tower running from hill tops to valleys as per topography, at times coming near the road while crossing. Along the route it passes through villages like Manmow town, Lunsang, Kamlaio etc

The forest area is having bamboo brakes with evergreen and semi evergreen forests with gentle slope to hilly terrain. Many portions of the area in USF is denuded having degraded forest due to shifting cultivation. During inspection, no endangered or threatened wildlife species was noticed in the project site area. The area does not form part of National Park or Wildlife Sanctuary. The area is not having any unique ecosystem types having conservation value and the implementation of the project will not have any major impact on the flora and fauna of the region. There are no protected monuments, archaeological or heritage sites except an Assam Rifles Headquarter near Jairampur township.

The area proposed for diversion does not appear to be prone to erosion. The commissioning of transmission line will not have any major impact on the local forest ecosystem provided adequate measures of soil conservation for prevention of erosion are taken up during erection of transmission poles. The UA has given an evaluation of three alternate routes for alignment and route 1 is shortest of 50.54 km so is bare minimum but has mentioned in the justification that the land from Khonsa to Longding are totally under forest and avoiding the forest area is not possible.

As regards the mandatory CA, both the DFOs Changlang SFD and Jairampur FD have mentioned in the relevant columns of Part II and their site inspection reports that CA area of 119.70 Ha and 153.22 Ha being double the area of 59.8482 Ha and 76.6098 Ha to be diverted in Changlang SFD and Jairampur Forest Division respectively is not available in their divisions. Therefore, a total area of  $120+153=273$  Ha is required to be identified for CA from land bank in other divisions.

Since the transmission line is essential for improvement of distribution and transmission of power in the area so the project is recommended for approval.

  
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14/3/22  
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