

JUSTIFICATION OF THE PROJECT IN FOREST AREA
132KV D/C ROING-CHAPAKHOWA TRANSMISSION LINE

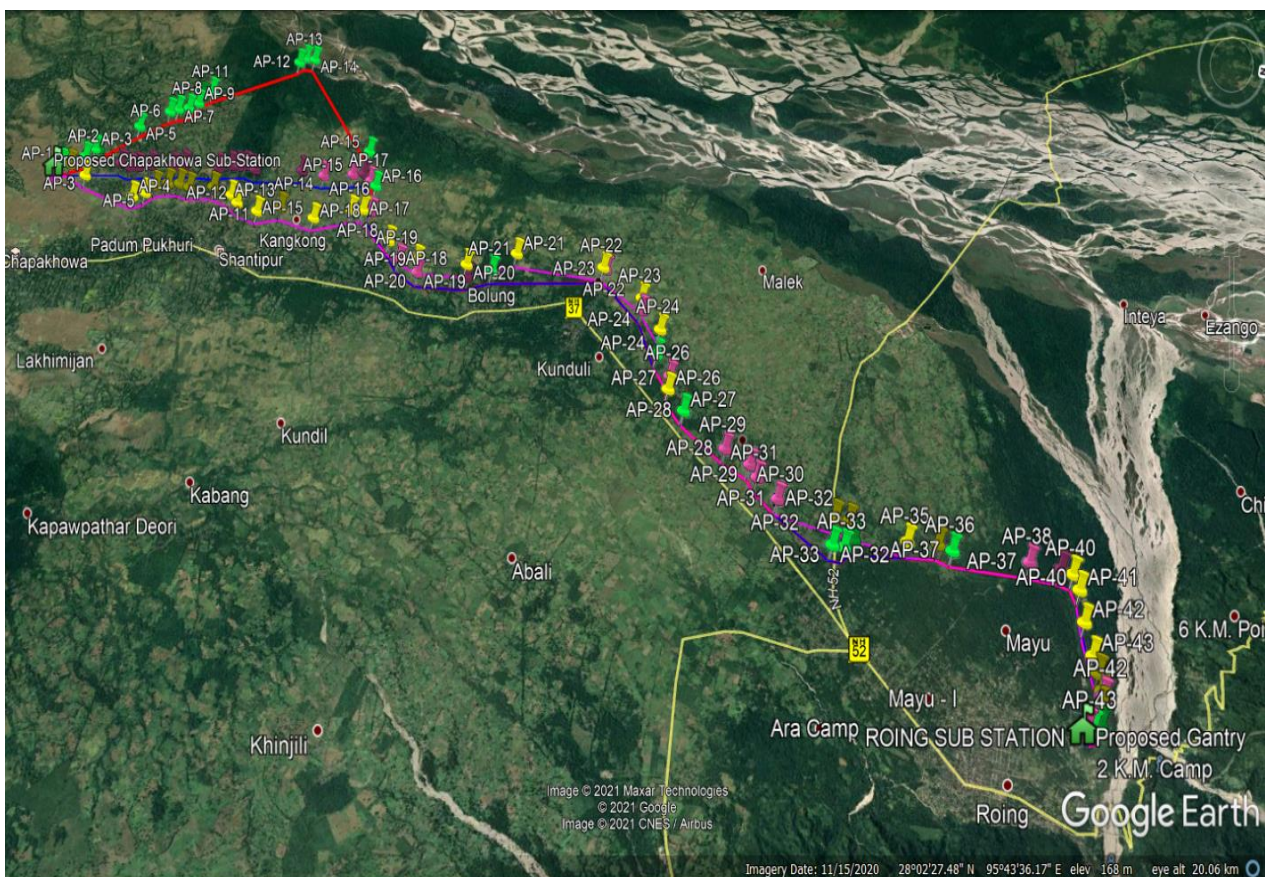
PROJECT DETAILS: Construction of 132kV D/C Transmission Line from Roing (Arunachal Pradesh) to Chapakhowa (Assam) under North Eastern Region Strengthening Scheme-X (NERSS-X).
FOREST AREA INVOLVED: 15.034 Hectare in the state Arunachal Pradesh.

The proposed 132kV Roing-Chapakhowa Transmission Line is a Regulated Tariff Mechanism (RTM) project which is conceived under the NERSS-X scheme for strengthening of Transmission and Distribution in the state of Arunachal Pradesh and Assam. Central Transmission Utility (CTU) has informed of implementing 132kV D/C Roing-Chapakhowa Transmission Line under NERSS-X through POWERGRID vide IOM Ref. C/CTU/NE/00/NERSS-X dated 16/01/2020.

Subsequently the preliminary survey and Detailed Survey carried out for the aforementioned Transmission Line. The route alignment of the proposed 132kV line is finalized along with the existing NH-52 crossing connecting 132/33KV Chapakhowa Substation (New) to 132/33KV Roing Substation (Existing), since it is found to be the best feasible route for construction, operation and maintenance point of view. The route involves minimum tree cutting and hence impact to the forest and environment is also found as minimum. Except the propose route, no other alternative route is found suitable from both construction and environment point of view.

However, a section of the proposed line i.e., **13.877 Hectare** falls inside Deopani Reserve Forest (under Lower Dibang Valley Division) and **1.157 Hectare** falls inside Anchal Reserve Forest (Meka) under Lower Dibang Valley Division. The proposed route of the 132 kV Roing-Chapakhowa TL, could not avoid the above mentioned areas, as the land from NH-52 crossing to 132/33kV Roing Substation are totally under Forest and Township area and hence avoiding the forest area is practically not possible. The forest area involved (**15.034 Hac.**) is the minimum requirement for the project. Since, the proposed 132 kV Roing-Chapakhowa line is an integral part of the main project which aims at improvement of Transmission & Distribution network in the area for better and uninterrupted power availability. Therefore, it is mooted to apply for forest clearance as per MoEF guideline.

Therefore, owing to the factors as mentioned above, it is found justifiable to locate the project in forest land but also ensuring minimum damage to the forest and environment.



The above picture shows Three Routes connecting Assam and Arunachal Pradesh. The **Route-2** (marked as colour blue) is proposed line from AP 1/0 to AP 44/0 of Line length 33.434km (Assam-5.405km, Arunachal Pradesh-28.029km).

संजीव
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