

## DETAILS OF PROPOSED 220KV DC LINE FROM MANKULAM TO VALLARA

The Mankulam hydro electric generating station with a capacity of 80MW is proposed to be installed at Kurathikudy near Mankulam in Mankulam village in Idukki district. Clearance from the forest department is already obtained for the generating station and dam except the transmission line for evacuation of power.

It is proposed to evacuate the power from the Mankulam generating station by constructing 220KvDC line from Mankulam to Valara. Preliminary survey was conducted in several routs from Power house site and Mankulam-Valara route is selected by considering the following points

1. The line crossing over the forest land is to be minimum.
2. Rocky areas are so selected to avoid the thick forest area to minimize the number of trees comes along the line route.
3. Maintain maximum clearance to avoid disturbances to the wild animals.
4. The line crossing over tribal settlement colony is to be minimum

The power house site is at Kurathikudy, which is a tribal settlement colony within the reserved forest. Hence the construction of line by avoid the forest land fully is not possible. No people are to be displaced for construction of this proposed line including scheduled caste and scheduled tribe families.

Total length of the line is 11.236 km including 400m in tribal settlement (kurathikudy Muthuvan colony) colony and 1.67km privet /cultivated land near Valara.32.081 hectare of forest land will be affected in the proposed line route. Trees along the line route within 35m "right off way " is 1760 numbers(trees with girth of above 35cm) The line route is coming under Mankulam forest range office and Neriyamangalam forest range office which are under the forest division offices of Adimaly and Munnar respectively.



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