

GUIDELINES FOR LAYING TRANSMISSION LINES THROUGH FOREST AREAS

1. Where routing of transmission lines through the forest areas can not be avoided, these should be aligned in such a way that it involves the least amount of tree cutting.
2. As far as possible, the route alignment through forest areas should not have any line deviation.
3. (i) The maximum width of right of way for the transmission lines on forest land shall be as follows:

Transmission Voltage (KV)	Width of Right of Way (Mts)
11	7
33	15
66	18
110	22
132	27
220	35
400	52
800	85

(ii) Below each conductor, width clearance of 3 mts. would be permitted for taking the tension stringing equipment. The trees on such strips would have to be felled but after stringing work is completed, the natural regeneration will be allowed to come up. Felling/pollarding/pruning of trees will be done with the permission of the local forest officer whenever necessary to maintain the electrical clearance. One outer strip shall be left clear to permit maintenance of the transmission line.

(iii) In the remaining width the right of way up to a maximum of 85 metres (for 800 KV lines) trees will be felled or lopped to the extent required, for preventing electrical hazards by maintaining the following:

Voltage (KV)	Minimum clearance between conductors and trees (Mts)
11	2.6
33	2.8
66	3.4
110	3.7
132	4.0
220	4.6
400	5.5

The sag and swing of the conductors are to be kept in view while working out the minimum clearance mentioned as above.

(iv) in the case of transmission lines to be constructed in hilly areas, where adequate clearance is already available, trees will not be cut.

4. Where the forest growth consists of coconut groves or similar tall trees, widths of right of way greater than those indicated at SI. No.3 may be permitted in consultation with the CEA.