

RIGHT OF WAY / WAY LEAVE CLEARANCE

Width of maximum right of way permitted as per forest conservation act 1980 and its subsequent amendment dated 25th October, 1992, are as per Table 1. Researches are being carried out for further optimizing the Right of Way.

Guidelines of forest environmental rules shall be followed to avoid excessive tree cutting i.e. all the trees should be cut from root level in the 3 m corridor below each line conductor / earth wires. In the balance corridor, trees branches are only to be lopped to attain the specified clearance as per Table 1.

Table 1 - Guidelines for Right of Way as per forest conservations act 1980 and subsequent amendment dated 25th October, 1992

Line voltage (kV)	66	110	132	220	400	500 HVDC	765
Row width (Meter)	18	22	27	35	52	52	85

Electrical clearance: Electrical clearance while power lines crossing each other.

In case of power line crossings, minimum clearance between lowest conductor of line and ground wire / top conductor of the other line shall be as per Table 2.

Table 2 - Minimum clearance in mm between lines when crossing each other.

Sr. No.	Line voltage (kV)	66	132	220	400	500 HVDC	765
1	66	2440	3050	4580	5490	6790	7940
2	132	3050	3050	4580	5490	6790	7940
3	220	4580	4580	4580	5490	6790	7940
4	400	5490	5490	5490	5490	6790	7940
5	500 HVDC	6790	6790	6790	6790	6790	7940
6	765	7940	7940	7940	7940	7940	7940

Jumpers in the tension tower are properly bolted with the tension clamp and form a parabolic shape in order to achieve adequate clearance from the structure.

Ground clearance:

Normally, at the time of construction, adequate clearance is provided between lowest conductor and ground, but due to delay in charging / commissioning there are chances of dumping / heaping soil, earth and concrete etc. or stacking bricks etc., that may cause reduction in ground clearance. In such cases the stored materials shall be removed.

Temporary or permanent structures which do not fulfill the requirement of rule no. 80 of IE rules should be removed prior to charging of transmission line.

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