

Brief note on the project

The TSTRANSCO is responsible for transmitting power at 132KV, 220KV & 400KV level voltages from power plants to various sub-stations, consumers & DISCOMS depending upon the capacity of power generation plants and requirement of consumer. The State Government has taken decision to supply uninterrupted power to all the consumers of Telangana. Accordingly, based on demand of power by the consumers, establishment of new power generating stations, laying of new power transmission lines have been proposed and approved.


One of the important approved project is "Construction of 132KV DC overhead line from 220/132KV Fabcity substation to proposed 132/33 KV Kandukur Substation in RangaReddy District".


The Transmission losses will be more when the power is transmitted for longer distances at lower voltage. Hence, to have quality power with less losses, it has to be transmitted at higher voltages to the load centers and then to be distributed. It is Proposed to Construct 132 KV DC overhead line from 220/132KV Fabcity substation to proposed 132/33 KV Kandukur Substation in RangaReddy District" to provide reliable and uninterrupted power supply to Kandukur and its surrounding areas and to meet upcoming loads due to rapid growth.


The proposed 132 KV line length is about 19Km with about 100 No's of towers. This line will emanate from 220 KV Fabcity substation near thukkuguda and will supply loads of 132/33 KV substation in kandukur which is under construction. A part of this line has to pass through forest in Srinagar RF block in Shamshabad division Rangareddy district inevitably. Hence it is proposed to avail the corridor of length 730.24 Mts duly diverting the Reserve forest area.

The details of forest area required are as follows:

SE T	DIVISION	BLOCK	LENGTH Mts	Row WIDTH Mts	AREA HA
1	Shamshabad	Srinagar RF	730.24	27	1.9716
Total			730.24		1.9716


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