

Brief note on the project & Justification for locating the project in Forest area

At present TSTRANSCO transmitting power from power plants and various sub-stations to various consumers, DISCOMS at 132KV, 220KV & 400KV level voltages depend upon the capacity of generation of power plants and requirement by consumer. The Telangana State Government has taken decision to supply the power to the people of Telangana uninterruptedly. Accordingly, establishment of new Power Generation Stations and laying of new power lines have been proposed and approved.

One of the important approved "Proposed construction of 400 KV QMDC Line from STPP (2X600MW), Jaipuram in Adilabad District to proposed 400KV SS Nirmal in Nirmal District under Nirmal Power Transmission Scheme in Telangana State"

This power has to be transmitted at 400KV level only (as per norms) to the Grid for further distribution of prestigious Lift Irrigation Projects (Kaleshwaram) of Telangana Govt. For this, it is "Proposed construction of 400 KV QMDC Line from STPP (2X600MW), Jaipuram in Adilabad District to proposed 400KV SS Nirmal in Nirmal District under Nirmal Power Transmission Scheme in Telangana State"

The above said Bee line length is noted to be 125.370KM. For avoiding the forest area to a greater extent the line length is increased to 141.40KM i.e., excess of 16.03KM over the Bee line length.

The reason behind utilization of forest reach is due to non-availability of required corridor as one more 220KV DC line was existing closer to the forest reach.

Therefore, it is felt necessary to enter in to Gannegutta Reserve Forest in Metpally Range of Jagityal (District) for a small section of line of length 443.51Mtres under inevitable circumstances.

It is a well-known fact that the power losses will be more at low voltages and for long distances also.

The details of forest area required are as follows:

Set	DIVISION	BLOCK	LENGTH M	WIDTH	AREA_HA
1	Jagityala	RF Gannegutta	443.51	46	2.0401
		Total	443.51		2.0401

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