

Brief note on the project

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 lying of new power lines have been proposed and approved.

One of the important approved solar power generation plant is Renew Solar Energy (Telangana) Private Limited with Capacity of 143 MW is approved at SS Dichipally in Nizamabad District.

This power has to be transmitted at 220 KV level only (as per norms) to the Grid for further distribution. For this, it is proposed to connect 400/220 KV Existing Substation at Dichipally for transmitting the power 220 KV level to the grid by constructing Solar Power Plant. Uninterrupted power supply and to meet the load in Telangana State.

Duly considering the above facts, the proposed 220 KV DC line from the proposed 143 MW Renew Solar Power Plant At Kanakal, Kamareddy Division to the Existing 400/220 KV at SS Dichipally of Nizamabad (Dist), which is of Bee line length of 34Km. But as Bee line is passing completely through forest it is proposed to avoid the forest of about 10 KM.

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 (M)	AREA (HA)
1	KAMAREDDY	CHANDRAYANPA	2333.7890	35.0	8.168262
2	KAMAREDDY	CHANDRAYANPA	1920.6540	35.0	6.722289
			4254.443		14.8906

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