

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 laying of new power lines have been proposed and approved.

One of the important approved "Proposed Construction of 220 KV Multi Circuit Line and UG Cable from 400/220 KV SS Narsapur to Proposed 220/132/33 KV Bowrampet SS Rangareddy District in association with evacuation of power from 2 X 800 MW Telangana STTP to be established by NTPC at Ramagundam."


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 Construction of 220 KV Multi Circuit Line and UG Cable from 400/220 KV SS Narsapur to Proposed 220/132/33 KV Bowrampet SS Rangareddy District in association with evacuation of power from 2 X 800 MW Telangana STTP to be established by NTPC at Ramagundam."

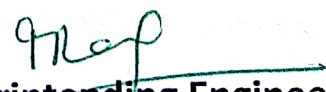
Duly considering the above facts, the "Proposed Construction of 220 KV Multi Circuit Line and UG Cable from 400/220 KV SS Narsapur to Proposed 220/132/33 KV Bowrampet SS Rangareddy District in association with evacuation of power from 2 X 800 MW Telangana STTP to be established by NTPC at Ramagundam." The length of Bee line is of 30Km. As the Bee line is passing through forest, it is proposed to avail optimum land in the forest of about length 2898.09 Mts in **Narsapur RF and Sangareddy RF** of Medak and Sangareddy Forest Divisions

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

The details of forest area required are as follows:

SET	DIVISION	BLOCK	LENGTH Mts	Row WIDTH Mts	AREA_HA
1	Medak	Narsapur RF	2275.92	35	7.9657
2	Sangareddy	KazipallyRF	622.17	35	2.178
Total			2898.09		10.1437


Chief Engineer (Elec.)
Metro Zone TS TRANSCO
GTS Colony, Erragadda, Hyd-45


Superintending Engineer,
OMC/Metro-West, TSTRANSCO
Mint Compound, Hyderabad