

Recommendation of Conservator of Forests, Delhi for the project of laying/ construction of transmission line (LILO) 400 KV Bamnawali-Samaypur at GI substation, Tuglakabad by Power Grid Corporation of India

A proposal had been received from Power Grid Corporation of India Limited, a Govt. of India Enterprise, for construction of LILO of 400 KV Samaypur-Bamnawali Transmission Line (TL) at Tughlakabad sub-station passing through Southern Ridge.

The proposal was put up to Ridge Management Board in its meeting held on 3.8.2017 which recommended the proposal to CEC constituted by Hon'ble Supreme Court. The CEC undertook the site inspection and has forwarded the proposal to Hon'ble Supreme Court recommending the construction of the said transmission line subject to certain conditions imposed by them and clearance under FCA, 1980.

There are 03 projects of Power Grid Corporation viz (i) 400 KV Samaypur-Bamnawali TL, (ii) 220 KV BTPS-Mehrauli TL and (iii) 220 KV Majid Mor-Tughlakabad TL. The present proposal is regarding the first transmission line of 400 KV.

The present 400 KV Samaypur-Bamnawali transmission line is 27.574 km in length out of which 6.04 km falls in Delhi region and rest in Haryana. Therefore, a linear stretch of 6018 mtr x 46 mtr is required for laying of overhead transmission line through forest area. Since the right of way is 46 meter over the length of 6.04 km in Delhi therefore the affected area is 27.68 ha. Out of 27.68, an area of 18.08 ha is falling in Southern Ridge while 9.6 ha fall in morphological ridge. A total of 17 Towers are proposed to be constructed in this area out of which 12 Towers fall in Southern Ridge area while 5 Tower fall in morphological ridge area. The trees proposed to be felled are 1430 number in Southern Ridge and 1535 number in morphological ridge totaling to 2965 trees.


A part of transmission line also passes along the inside of boundary wall of Southern Ridge and in ESZ but outside Asola Bhatti Wildlife Sanctuary. The CEC has stated in its report that Power Grid Corporation has agreed to limit the forest clearance to 3 mtr on either side of the right way of 46 meter for stringing purposes.

The said transmission line is a major part of Inter State Transmission System (ISTS) which is likely to import around 2000 MW from National Grid to Delhi. Moreover, the Badarpur Thermal Power Plan (BTPS) which does not meet pollution norms is to be closed but the same is linked to the establishment and commissioning of Tughlakabad sub-station with associated transmission lines including the above one in context.

The construction of 400 KV TL at Tughlakabad is Government of India sponsored project for the benefit of public and GI substation at Tughlakabad is to be commissioned by March 2018 so that the Badarpur Thermal Power Plant which is polluting the environment can to be closed down. Therefore the diversion of minimum required area as per alignment over an area

of 18.08 ha in Southern Ridge and 9.6 ha in morphological ridge totaling of 27.68 ha is recommended subject to compensatory plantation at the cost of user agency in an area of 57.33 ha in Yamuna Flood plains between Yamuna Bank metro station and railway line adjacent to Common Wealth Games Village Complex as per location map submitted by Power Grid Corporation of India and subject to other conditions stipulated by Ridge Management Board and CEC.

This area of 57.33 ha identified for CP has been given by DDA vide their letter dt. 14.7.2017 addressed to CCF Delhi for compensatory plantation against their 03 projects of Power Grid Corporation of India as mentioned in the para 3 including the present proposal of 400 KV Samaypur-Bamnauli TL besides other 2 proposals of 220 KV BTPS-Mehrauli TL and 220 KV Majid Mor – Tughalakabad TL for which FCA proposals are being submitted separately.


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