

Full Title of The Project: 400kV D/C Jaunpur Obra Transmission Line

Proposal No: FP/UP/TRANS/40906/2019

BRIEF DETAIL OF 400 KV D/C JAUNPUR OBRA TRANSMISSION LINE BEING CONSTRUCTED BY OBRA C BADAUN TRANSMISSION LIMITED (OCBTL)

The government of India has identified the power sector as a key sector of focus to promote sustained industrial growth. It has embarked on an ambitious mission - "Power for all" backed by extensive reforms to make the power sector more attractive for private sector investment and participation. In this regard Uttar Pradesh Power Transmission Corporation Ltd. (UPPTCL) identified development of transmission system for "Evacuation of power from Obra-C (2x660 MW) Thermal Power Project & Construction of 400 kV GIS Substation Badaun with associated Transmission Lines" consisting of establishment of transmission lines as below:

- 1) LILO of 765 kV Anpara 'D' Unnao SC line at Obra-C TPS
- 2) **400 kV Double Circuit Jaunpur - Obra line (upto LILO point of Obra 'B' – Obra 'C' Line)**
- 3) 400/220/132 kV Badaun (GIS) substation (Capacity 2x315 + 2x160 MVA)
- 4) 400 kV DC Roza – Badaun line
- 5) LILO of 220 kV C.B.Ganj (220kV) – Badaun (220kV) SC line at 400 kV Badaun substation
- 6) LILO of 220 kV Chandausi (220kV) – Badaun (220kV) SC line at 400 kV Badaun substation.
- 7) 132kV BadaunUjhani – Badaun (400 kV) SC line and 132 kV Bilsa – Badaun (400 kV) SC line.

The Uttar Pradesh Government (Power Ministry) has entrusted PFC consulting Limited, with the task of selecting an Independent Private Transmission Company (IPTC) on 100% Private investment for the above scheme vide its letter no. 278/PS/DIR(W&P)/PTCL/Obra'C' dated June 01, 2018. As per bidding procedure, PFC has invited bids for selection of bidders as prospective IPTC for establishment of transmission in which M/s Adani Transmission Limited participated as a bidder.

Subsequently, PFC consulting limited through the process of international competitive bidding (ICB) process selected M/s Adani Transmission Limited as successful bidder for implementation of the above project through its shell company i.e. Obra C Badaun Transmission Limited as IPTC on Build, Own and Operate (BOO) Basis and consequently the Letter of Intent (LOI) was being issued (Letter No. 04-05/ITP-29/18-19/OCBTL/LOI dated 29th Nov, 2018. Principal Secretary, Power Department, Uttar Pradesh has also accorded approval under section 68(1) of Electricity Act 2003, to implement these lines (Letter No 2794/24-1-2018-2422/2008 dated 2nd November 2018).

Transmission line projects are environmentally friendly and do not involve any disposal of solid effluents and hazardous substances in land, air and water. The constructional features of 400kV D/C Jaunpur

Obra-C Badaun Transmission Limited

CIN: U40106DL2018GOI337373

Registered Office: C-105, Anand Niketan, New Delhi – 110 021

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Obra Transmission line is such that it is not affecting the environment as it's not dividing the existing forest because of long spans between the towers (400 Mtrs). Layout of transmission line follows route involving minimum tree felling and also allowing free movement of birds due to high towers heights 47mtrs. The ground clearance for lower most conductors is 8.84 meters. The spacing of 8 mtr between the phase conductors is maintained as per guidelines which make the free movement of birds as well. A very small space is required for the construction of tower foundations (15 X 15Mtrs). The tower foundations are under the ground (3.5 Mtrs).

400kV D/C Jaunpur Obra Transmission Line starting from LILO point of Obra-B Obra-C line in Chopan of Sonbhadra District and terminating at 400/220/132kV Substation of UPPTCL in Machlisahar of Jaunpur District. The line length is 166Km long and is passing through 5 districts which are Jaunpur, Bhadhoi, Varanasi, Mirzapur and Sonbhadra. It will create the employment opportunity for local villagers during the construction phase (24 Months) and later on for maintenance of Transmission line, hence affecting the life of village people directly. It will also encourage industries in the region resulting employment opportunity.

400kV D/C Jaunpur Obra Transmission Line details:-

Sr. No.	Item	Details
1	Total Line Length of 400kV D/C Jaunpur Obra Transmission Line	Total Line Length:166Km
2	District details and forest division details through which line is passing	District: Jaunpur, Bhadhoi, Varanasi, Mirzapur and Sonbhadra. Forest Division: Jaunpur, Bhadhoi, Varanasi, Mirzapur, Kaimur Wildlife Division Mirzapur and Obra.
3	Line Passing through Kaimur Wildlife Sanctuary	55.447Ha, 12.054Km
4	Line passing through Forest area:	89.632 Ha, 19.485 Km
5	Height of Tower	Minimum 47 Mtrs
6	Maximum width of Right of Way for 400KV D/C Transmission Line	46 Meters

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7	Minimum Ground Clearance	8.84mtr.
8	Minimum Clearance allowed between conductors of transmission lines and Trees	For 400KV, 5.5 Meters.

Place : Bareilly

Date : 19/08/2019


Sendil Ragavan
General Manager