

DETAIL NOTE ON PROJECT

BRIEF DETAIL OF 400kV D/C BABAI (RRVPNL) – BHIWANI (PG) TRANSMISSION LINE BEING CONSTRUCTED BY NRSSXXXVI TRANSMISSION LIMITED.

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 "system strengthening scheme in northern region (NRSSXXXVI) along with LILO of sikar-Neemrana 400kV D/C line at Babai (RRVPNL)" consisting of establishment of transmission lines as below:

- 1) LILO of one Ckt. of 400 kV D/C Sikar (PGCIL) – Neemrana (PGCIL) line at Babai (RRVPNL)
- 2) Two (2) Nos. of bays at 400 kV Babai (RRVPNL) Sub-station for LILO of one Ckt of 400 kV D/C Sikar (PGCIL) – Neemrana (PGCIL) line at Babai (RRVPNL)
- 3) **Babai (RRVPNL) – Bhiwani (PGCIL) 400 kV D/C Transmission Line**
- 4) Two (2) Nos. of bays at 400 kV Babai (RRVPNL) Sub-station for Babai (RRVPNL) – Bhiwani (PGCIL) 400 kV D/C Transmission Line
- 5) Koteswar pooling station – Rishikesh 400 kV D/C (HTLS) Transmission Line
- 6) Two (2) Nos. of bays at 400 kV Rishikesh Sub-station

The Central Government (Power Ministry) has entrusted REC Transmission Projects Company limited, with the task of selecting an Independent Private Transmission Company (IPTC) on 100% Private investment for the above scheme. As per bidding procedure, REC has invited bids for selection of bidders as prospective IPTC for establishment of transmission in which Essel Infraprojects Limited participated as a bidder.

Subsequently, REC Transmission Projects company limited through the process of international competitive bidding (ICB) process selected Essel Infraprojects Limited as successful bidder for implementation of the above project through its shell company i.e. NRSS XXXVI Transmission Limited as IPTC on Build, Own and Operate (BOO) Basis and consequently the Letter of Intent (LOI) was being issued. Ministry of power, Government of India has also accorded approval under section 68(1) of Electricity Act 2003, to implement these lines. The transmission line routes have also been notified in Government of India, Gazette(Sec 164).

For, NRSS XXXVI Transmission Ltd.
Ranish Mehrotra
Head Environment Forest & Wildlife

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 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 along the forest road / forest block boundary thus involving minimum tree felling and also allowing free movement of birds due to high towers heights 45- 50 mtrs. The ground clearance for lower most conductors is 8.84 meters. The spacing between the phase conductors is maintained as per guidelines which makes the free movement of birds as well. A very small space is required for the construction of tower foundations (20 X 20 Mtrs). The tower foundations are under the ground (3.5 Mtrs) and a small portion of 0.50X0.50 Mtrs are elevated as plinth.

The Babai (RRVPNL) – Bhiwani (PGCIL) 400 kV D/C Transmission Line starting from RRVPNL Switchyard located at Babai, Rajasthan and terminating at 400Kv Bhiwani Switchyard, passing through district of Rajasthan and Haryana. 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. In indirect as the project is to strengthen the power system in Rajasthan and Haryana, hence would encourage industries in the region resulting employment opportunity.

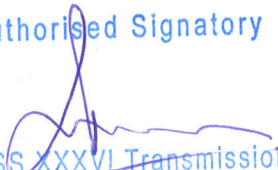
Authorised Signatory

For, NRSS XXXVI Transmission Ltd.
Rajnish Mehrotra
Head Environment Forest & Wildlife

TRANSMISSION LINE DETAILS:-**400 KV D/C Babai (RRVNL) – Bhiwani (PGCIL) TRANSMISSION LINE**

Sr. No.	Item	Details
1	Total Length of Babai (RRVNL) – Bhiwani (PGCIL) Transmission Line	Total Line Length: 111.461Km Length of Line in Rajasthan:- 56.001Km
2	District details and forest division details through which line is passing	District: Jhunjhunu Forest Division: Jhunjhunu
3	Area of the Protected forest through which line passes.	Jhunjhunu DFO – 13.015Ha ----- TOTAL - 13.015 Ha
4	Total No. of Tower to be erected in total and affected tower in Forest in Haryana.	Total towers: - 296 Nos. Towers in Rajasthan Portion: - 145Nos. Affected Tower in Forest Division Jhunjhunu DFO -07 Nos.
5	Height of Tower	45 -50 Mtrs
6	Maximum width of Right of Way for 400KV D/C Transmission Line	46 Meters (For 400 KV Double Circuit)
7	Minimum Clearance allowed between conductors of transmission lines and Trees	For 400KV, 5.5 Meters. (As per the forest act, Table-27.2)

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