



Jharkhand Urja Sancharan Nigam Ltd.

➤ Transmission at a Glance

Particulars	Present Status	Presently being executed by PGCIL	Presently being executed by JUSNL	Total
No. GSS	36	6	5	47
Total Capacity of GSS (in MVA)	4845	3250	1400	9495
Circuit Length (in KM)	3297	1550	700	5547

Improvement of transmission network all over Jharkhand and evacuation of power & taking share of power from various IPPs and CPPs and achieving 24x7 powers for all by 2018-19, many projects under different scheme are being executed.

➤ REC Scheme

In this scheme there were 8 Nos. of GSS (Hatia, Lohardagga, Latehar, Daltonganj, Japla, Kanke, Pakur&Sahebganj) and 220 kV Hatia-Lohardagga transmission line, 220 kV Lohardagga - Latehar Transmission line, 220 kV Latehar -Daltonganj Transmission line, 132 kV Garhwa -Japla trans. Line, 220 kV Daltonganj - Garhwa Transmission line and 132 kV Hatia - Kanke Transmission line

Works of 8 Nos. of GSS (Hatia, Lohardagga, Latehar, Daltonganj, Japla, Kanke, Pakur&Sahebganj) and 220 kV Hatia-Lohardagga transmission line, 220 kV Lohardagga - Latehar Transmission line, 220 kV Latehar -Daltonganj Transmission line completed and are in operation.

The works of following transmission lines are in progress

- 132 kV Garhwa -Japla trans. Line,
- 220 kV Daltonganj - Garhwa Transmission line
- 132 kV Hatia - Kanke Transmission line

JCP Scheme(Being executed by PGCIL)

- JUSNL entered into an agreement with PGCIL for construction of 10 (Nine) GSSs (i.e.Dumka, Govindpur, Madhupur, Chaibasa, Ramchandrapur, Mango, Manoharpur, Patratu, Latehar and Lohardaga) and associated transmission lines. PGCIL has already awarded the work in December'2012 to various agencies.
- Completion of 220/132KV GSS at Madanpur(Dumka) with associated Transmission line Dumka-Rupnarayanpur on 23/07/2015 resulting 150-200MW additional power to SanthalPargana.
- Completion of 220/132/33KV GSS at Ulijhari, Chaibasa and associated Transmission line Chaibasa(PG) –Chaibasa on 16/11/2015.
- Completion of 132/33KV GSS at Madhupur and associated Transmission line Jamtara –Madhupur on 10/02/2016.The works of others project under this scheme are in progress.

➤ **State Plan Scheme**

In this scheme following works are to be done.

➤ **Grid Sub-Station**

- *220/132/33kV 2x150 +2x50 MVA GSS at Jainamore*
- *220/132/33kV 2x150 +2x50 MVA GSS at Jasidih*
- *220/132/33kV 2x150 +2x50 MVA GSS at Giridih*
- *132/33kV 2x50 MVA GSS at Khuti*
- *132/33kV 2x50 MVA GSS at Sharia*

➤ **Transmission Lines**

- *220 kV D/C Chatra-Latehar*
- *220 kV D/C Chatra- PBCMP (Barkagaon)*
- *132 kV D/C Gumla-Simdega*
- *LILO in 220kV TTPS-Govindpur Trans. Line at JainamoreGSS*
- *132 KV D/C Khuti-Tamar*
- *220 KV D/C Giridih-Jasidih*
- *220 KV D/C Jasidih-Dumka*
- *132 KV D/C Giridih-Saria*

➤ **Under deposit head work**

- *132/33 KV GSS at Chitra and its LILO line for ECL*
- *220 KV D/C Chaibasa-Guya transmission line for SAIL*

➤ **Projects to be started in FY2016-17**

- 220/ 132/33 kV G/S/S at out skirt Ranchi (between Ratu and Burmu) with associated transmission lines
- 132/33 kV Grid Sub-Station at Rajmahal with associated transmission lines
- 132 kV D/C Pakur – Sahebganj transmission line (95 KM)
- Stringing of 2nd circuit of (i) 132 kV 3 phase Dumka - Pakur trans line and (ii) 132 kV 3 phase Lalmatia - Sahebganj trans line
- 220/ 132 kV G/S/S at Garhwa with associated transmission lines
- 132/33 kV G/S/S at Chatra with associated trans lines
- 220 kV D/C Daltonganj (PG) - Latehar trans line (55 KM)
- 220 kV D/C Daltonganj (PG) - Garhwa (220/132 kV) trans line (45 KM)
- 132 kV D/C Daltonganj (PG) - Daltonganj (JUSNL) transmission line (15 KM)
- 220/132/ 33 kV G/S/S at Godda with associated transmission lines
- 132/ 33 kV G/S/S at Chandankyari with associated trans. lines
- 132/ 33 kV G/S/S at Jamua with associated trans lines
- 132/ 33 kV G/S/S at Bahragoda with associated trans lines.