

SITE INSPECTION REPORT

Proposal under section 2 of Van (Sanrakshan Evam Samvardhan) Adhiniyam 1980 for Construction of 400 KV D/C Patratu-Latehar Transmission line under Latehar, Ramgarh and Ranchi Forest Divisions in the State of Jharkhand of M/s Power Grid Corporation Limited

Proposal No : FP/JH/TRANS/32955/2018

The site inspection in respect of the proposal was conducted by the undersigned along with Shri Srikant Verma, DFO, Ranchi, Shri V P Kamboj, Deputy Director, Wasteland Development Board, Jharkhand, Shri S K Shashi, DGM PGCIL, Shri Kuldeep Kumar, Engineer, PGCIL, Shri Basudev Singh, Jr Engineer, PGCIL and other representatives from forest department and user Agency on 6th February, 2026.

The proposal has been submitted for construction of 400 KV D/C Patratu-Latehar transmission line. The Patratu-Latehar transmission line is planned to evacuate power from the Patratu thermal power plant of Patratu Vidyut Utpadan Nigam Limited (PVUNL). PVUNL is a joint venture company of M/s NTPC Limited (74% share) and Government of Jharkhand (26% share). PVUNL thermal power plant has planned capacity of 4000 MW (3 x 800 MW phase I and 2 x 800 MW phase II). Jharkhand state shall draw 85 % of the power generated from the PVUNL power plant. The proposed transmission line will improve the reliability and stability of the power system scenario in Jharkhand especially around Latehar, Ramgarh, Lohardaga and Ranchi area ensuring a reliable electricity supply to meet the growing demand. It will also significantly enhance the total transmission capacity (TTC) and available transmission capacity (ATC) of the network from PVUNL power generating station to the National Grid via the Latehar -Chandwa 400 kV D/c line. The details of land involved in the project are as mentioned below:-

| Division | Notified Forest (Ha) | Deemed Forest (Ha) | Total Forest Area (Ha) |
|----------------|----------------------|--------------------|------------------------|
| Latehar | 52.704 | 3.161 | 55.865 |
| Ramgarh | 7.647 | 4.600 | 12.247 |
| Ranchi | 39.906 | 18.956 | 58.862 |
| Total - | 100.257 | 26.717 | 126.974 |

The total length of the transmission line is 110 Km, out of which 27.603 Km fall in forest land.



This 400 KV D/C Patratu - Latehar Transmission Line will evacuate the power of Patratu Vidyut Utpadan Nigam Limited (PVUNL) and also be an important link to National Grid. This project is of national importance being enlisted as PMG project monitored by the Central Government. This project will improve the power transmission scenario in Jharkhand State. Photograph of the site visit of the project area is attached.

Sanyu
06/02/2026

Principal Chief Conservator of Forests-cum-
Executive Director, Wasteland Development
Board, Jharkhand

