

Scope of Work (SOW)

Destringing of Span AP66/0 (T. No. 222) to AP67/0 (T. No. 229) and dismantling of 6 Nos. Gantry Towers (T. No. 222, 223, 224, 226, 227 & 228)

765 kV D/C Dharamjaygarh-Jabalpur Transmission Line

1. Objective

The contractor shall carry out destringing of the conductor and associated accessories in the span between **AP66/0 and AP67/0** and dismantling of **06 Nos. Gantry Towers** under the 765 kV D/C Dharamjaygarh-Jabalpur Transmission Line. The work shall be executed safely, systematically, and in compliance with all applicable safety and statutory requirements.

2. Scope of Work

A. Destringing Works

- Mobilization of manpower, tools, tackles, machinery, and safety equipment.
- Isolation and making the line safe for execution of work.
- Destringing of conductors, earth wire, insulator strings, fittings, and associated hardware between AP66/0 and AP67/0.
- Lowering, coiling, handling, and stacking of retrieved materials at the designated location.
- Protection of adjoining structures, equipment, crops, and property during execution.

B. Dismantling of Gantry Towers

- Dismantling of 06 Nos. gantry towers including all structural members, bracings, bolts, nuts, and associated components.
- Segregation and stacking of dismantled materials.
- Removal of tower members from the site as directed by IndiGrid/JTCL representative.
- Safe disposal/removal of waste and unusable material generated during execution.

C. Transportation and Housekeeping

- Internal shifting, loading, unloading, and transportation of dismantled materials.
- Restoration and housekeeping of the work site upon completion.
- Disposal of debris and cleaning of the work area.

3. Safety Requirements

- Contractor shall comply with all applicable safety procedures, PTW requirements, and statutory regulations.
- Use of PPE shall be mandatory for all personnel.
- Adequate barricading, supervision, and risk mitigation measures shall be ensured throughout the work period.

- Any accident, damage, or loss arising during execution shall be the sole responsibility of the contractor.

4. Scrap Accounting and Disposal

- All recovered conductor, earth wire, tower members, insulator fittings, hardware, and other dismantled materials shall be properly accounted for.
- The contractor shall prepare a detailed inventory of recovered scrap/material for verification.
- **No scrap/material shall be removed or disposed of from the site without prior verification and written approval from IndiGrid (IGT) authorized representative.**
- The quantity and value of recoverable scrap shall be jointly assessed and certified by IGT.
- **The value of verified scrap recovered from the site shall be adjusted against the contractor's payable amount/quoted cost accordingly.**
- Any discrepancy in material quantity shall be recovered from the contractor.

5. Deliverables

- Completion of destringing between AP66/0 and AP67/0.
- Complete dismantling of 06 Nos. gantry towers.
- Submission of scrap inventory and reconciliation statement.
- Site clearance and completion certificate.

6. Measurement and Payment

- Payment shall be made on successful completion of work and certification by the Engineer-in-Charge.
- The assessed value of recoverable scrap approved by IGT shall be deducted/adjusted from the contractor's final bill.

7. Special Condition

The bidder/contractor shall consider the recoverable scrap value while submitting the quotation. Scrap disposal shall be permitted only after joint verification and approval from IGT, and the corresponding scrap value shall be adjusted in the final contract amount/bill.

Brief Methodology of Modification Works:

1. Two DD+30+10 meter chimney has be erected by Contractor in place of two existing gantries.
2. There will be continuous shutdown required for one circuit for 60 days and other circuit for 7 days after fist circuit is charged.
3. It is absolutely essential that work is taken up by Contractor only after receipt of all materials at site including Towers in full shape, conductor, H/F & Insulator etc. apart from Props and form boxes.
4. Both Tower foundations have to start by Contractor simultaneously and to be completed within 30 days in full shape. For that, ½ set of form box and materials for chimney of all 8 legs is extremely essential, which will be cast in block of 1 - 1.5 meter rise.
5. The Contractor must arrange required foundation materials, for the same.
6. Similarly, both Towers have to be erected by Contractor simultaneously. This will require use of Ground Mounted Central Crane (DAGP).
7. Considering above, an overall completion period, all supplies to be completed in initial 3 months before start of dismantling and erection works.
8. For Scrap disposal, the Contractor have to quote lumpsum amount including the transportation from site to designated stores.
9. The above methodology is indicative, the Contractor has to prepare the Construction Work methodology during execution stage and obtain prior approval from Employer which shall be up to the site requirement and satisfaction of Employer.