

Bill of Quantity

Project: 4x100 MW Hydroelectric project, Koteshwar in Uttarakhand

Name of work: Route survey, design (including foundation design), proto testing, supply, erection, testing and commissioning of the transmission line and intermediate towers

| Sl. No. | Item / Work description | Quantity | Rate | Amount |
|---------|---|--------------------------------|------|--------|
| 1. | Detailed survey, Check Survey, Tower Profile, route map and Tower Spotting etc. as required for design of transmission lines. | L/S | | |
| 2. | Structural design of double circuit Double ACSR Moose conductor 400kV transmission line towers and suitable extensions as required and Providing BOQ of Tower Structures. | 2 Nos. | | |
| 3. | Providing estimated BOQ of all Stringing Material required i.e. String Hardware, String Insulators, Clamps, Jumpers, mid-span compressions, repair sleeves, vibration dampers, conductors, ground wires etc. Providing Stringing Charts and other details as required for stringing of all lines. | L/S | | |
| 4. | Fabrication of proto assembly and type testing, including destruction tests, under THDC / BHEL witness for double conductor, double circuit transmission line tower of each type. | 1 No. (for Each Type of Tower) | | |
| 5. | Design ((Including foundation design), Supply of Transmission Line Towers, Erection, testing & Commissioning of 400kV Double Circuit Transmission Line between GT Yard and 400kV Switchyard. Including Stringing of ACSR Conductor & Ground wire, Earthing of Transmission Line and supply of Earthing material. | 1 lot, 02nos of Towers | | |
| | TOTAL AMOUNT | | | |
| | Note: | | | |
| 1 | Any other item / work not mentioned in this specification but required for completion of work and commissioning of Transmission line and Towers shall be covered in scope of contractor. | | | |
| 2 | BHEL scope will comprise of conductor, line hardware and insulator. Civil work shall be carried out by THDC. Supply of foundation bolt will be in contractor scope | | | |
| 3 | The make of structure steel, reinforcement steel, grade of concreting will be subject to THDC / BHEL approval. | | | |