

**TECHNICAL TERMS AND CONDITIONS****A. SALIENT FEATURES OF THE CONTRACT:**

a) **Name of Work:** Fabrication, Assembly and Painting of Columns for CCR structures of power plant for THDC Khurja project

b) **Contract Duration:** 03 Months

c) **Distribution of Work:** The distribution of work shall be as below among **two contractors**, subject to acceptance of the L1 rates: -

**L1 bidder: 67% & L2 bidder: 33%** of total contract qty

d) **Quantity Variation:** Quantity variation of  $\pm 20\%$  in overall contract quantity.

**B. PRE-QUALIFICATION CRITERIA (PQR):**

As per NIT.

**C. SCOPE OF WORK**

- The contractors shall be responsible for Fabrication, Assembly and Painting of Columns at their works.
- For Fabrication of jobs to be completed following activities are included:
  - I. BHEL will provide drawings of jobs to be completed. Contractor shall study the drawings and prepare sub assembly drawings, as required.
  - II. Raw Material: Contractor will submit the cutting plan to BHEL for approval within 3 days after receipt of drawings and QP from BHEL. Any delay will be accounted in delivery period. After its scrutiny, BHEL will provide all Structural Steel at contractor's works as per approved cutting plan. Transportation shall be in BHEL's scope however, unloading of material from vehicles will be in contractor's scope.
  - III. Contractor will fabricate the jobs as per applicable Quality Plans as mentioned in PO. All welding shall be performed as per approved WPS approved by BHEL by qualified welders only.
- **Inspection:** The job will be prepared in the tolerance as mentioned in SQP/ CQP. Stage inspection of jobs will be done and recorded by contractor which will be duly verified by BHEL as and when asked. Contractor will offer the job to BHEL for inspection at different fabrication stages as asked by BHEL. Final inspection of jobs will be done by BHEL at contractor's works. As NTPC/ Customer inspection is involved in these jobs, it will be responsibility of contractor to arrange inspection with required facilities as asked by NTPC/ Customer. However, inspection call to customer shall be raised by BHEL.
- All consumables like welding electrodes, grinding wheels, SAW wires, flux etc. shall be in contractor's scope. The electrodes and SAW wires shall be used as per drawing and WPS approved by BHEL and their sources must be BHEL approved.
- All nut, bolts, washers and other fasteners required for trial-assembly shall be arranged by contractor.
- NDT will be done by contractor as per QP along with required consumables and machines/ facilities.

- Post weld heat treatment as mentioned in drawing/QAP will be in contractor's scope.
- Contractor must deploy manpower as per shop requirement. In case of failure to deploy required manpower suitable action shall be taken and suitable deduction also will be made from bills.
- **Blasting and Painting:** Blasting and Painting will be in contractor's scope as per QP and painting scheme. Contractor shall inform the required quantity of Paint/ Primer/ Thinner as per painting scheme and specifications. Accordingly, BHEL will provide the required quantity after verification of same. Inspection of Surface preparation and Painting will be done as per QP.
- **Material Reconciliation:** Material Reconciliation for all material provided by BHEL will be submitted by contractor after completion of each column.
- **Scrap Generation:** All scrap generated from BHEL issued material shall be retained by contractor. However, cost of scrap will be deducted from contractor's bill. The JPC rate HMS-II (Scrap) applicable for Delhi region shall be considered for calculation of deduction amount against scrap. The JPC rate will be taken as on 7<sup>th</sup> day after material receipt at contractor's work.
- **Shipment of Finished Jobs to customer/ project sites:** Shipment of Finished Jobs to customer/ project sites will be in scope of BHEL. However, loading of finished job will be in contractor's scope.

**D. EVALUATION OF OFFERS:** The offers of all bidders shall be evaluated on **total cost to BHEL** basis i.e., transportation charges from BHEL to contractor's works and from contractor's works to Khurja project site will be loaded on quoted bids for deciding L1 bidder. BHEL Jagdishpur approved transport charges shall be taken for evaluation.

**E. MATERIAL SECURITY:** Contractor shall furnish the bank guarantee as per BHEL policy against cost of material issued by BHEL free of cost. BG to be provided before issue of material and preferably within 1 week from PO.

**F. DELIVERY:** All columns completed in all respect as per scope of work are to be handed over to BHEL by contractor within 3 months from the date of award of contract, after which penalty shall be applicable as per contract.

**G. LIQUIDATED DAMAGES/ PENALTY:** Penalty of 0.5% per week will be applicable on undelivered portion or part thereof subject to maximum of 10% of contract value.

**H. PAYMENT:** Contractor will raise bill for payment from BHEL as per contract terms and conditions after successful completion of the contract. Jobs (column) will be considered as 'completed' only after final clearance of NPTC/ Customer and final painting. i.e., ready to dispatch condition. Payment shall be released after deduction of scrap value as applicable rate of BHEL.

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