



**BHARAT HEAVY ELECTRICALS LIMITED**  
**RAMACHANDRAPURAM::HYDERABAD::32**  
**FACTORY CIVIL ENGINEERING DEPARTMENT**

**SCHEDULE- A**

Tender Notice No:

HY/FCD/OT-03/2013-14, Dt: 23.05.2013

**PRICE BID**

Item no.:3

**Name of work: Providing Trestles for 30 TPH Boiler House for LPG Pipe line (Civil & Fabrication works).**

| S. No. | Description of the item  | Qty    | Unit | Rate (₹) | Amount (₹) |
|--------|--|--------|------|----------|------------|
| 1      | Felling trees of the girth (measured at a height of 1m above ground level) including cutting of trunks and branches removing the roots and stacking of serviceable materials and disposal of unserviceable materials - upto 1.20 M etc. complete as directed by Engineer-in-charge.  | 4.00   | Each | 359.80   | 1,439.20   |
| 2      | <b>Earth work in excavation in all soils</b> by mechanical means (Hydraulic Excavators) / manual means in foundations trenches or drains (not exceeding 1.5m in width or 10 Sq.m on plan) including dressing of sides and ramming of bottoms, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50M etc. complete as directed by Engineer-in-charge. | 50.00  | Cu.M | 103.40   | 5,170.00   |
| 3      | Providing and laying in position cement concrete of specified excluding the cost of centering and shuttering including consolidation by vibrations for all works up to plinth level with <b>1:4:8</b> (1 cement : 4 coarse sand : 8 graded stone aggregate of 20 mm nominal size) etc. complete as directed by Engineer-in-charge.**   | 4.00   | Cu.M | 1,560.50 | 6,242.00   |
| 4      | Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centering ,shuttering, finishing and reinforcement, including consolidation by vibrations for all works <b>at all heights</b> with <b>1:1½:3</b> (1 cement : 1½ coarse sand : 3 graded stone aggregate of 20 mm nominal size) etc. complete as directed by Engineer-in-charge.**  | 34.00  | Cu.M | 1,641.30 | 55,804.20  |
| 5      | <b>Reinforcement for R.C.C. work</b> including straightening, cutting, bending, placing in position and binding grills with binding wire all complete by cold twisted bars etc. complete as directed by Engineer-in-charge.**  | 2.72   | M.T  | 4,003.00 | 10,888.16  |
| 6      | <b>Centering</b> and shuttering including strutting, propping etc.; and removal of form work, for columns, pillars, piers, abutments, machine foundations, posts and struts etc. complete as directed by Engineer-in-charge.   | 115.00 | Sq.m | 180.40   | 20,746.00  |

| S. No. | Description of the item   | Qty   | Unit | Rate (₹)  | Amount (₹) |
|--------|---|-------|------|-----------|------------|
| 7      | Fabrication and fixing of <b>M.S holding down bolts</b> , threaded both sides including supply of nuts, washers etc. complete as directed by Engineer-in-charge. <b>(M.S. rounds as per required size will be issued on free of cost at BHEL stores)</b>  | 0.09  | MT   | 26,476.30 | 2,382.87   |
| 8      | Fabrication of structural steel work including all materials going into the process of fabrication and forming an integral part of steel work together with all shop and site rivets and electrodes for site welding as necessary and all site connections comprising sag rods, floor beams, girders, bracings, trusses and frame work for fixed false ceiling and for movable false ceiling, purlins with channel / angles, MS flat supports including all connections as per detailed drawings connected steel works etc., cleats, gusset plates, all bolts, nuts, washers, base plates, anchor bolts as per detailed drawings, cutting, welding and painting 2 coats of red-oxide primer before erection etc., complete. The rate shall include painting 2 coat of Red-oxide as per IS specifications and all charges for handling, leading and loading at the fabrication yard. The raw structural steel sections, electrodes, gasses will be issued by BHEL on FREE of cost at their stores etc. complete as directed by Engineer-in-charge.** | 7.00  | MT   | 7,563.80  | 52,946.60  |
| 9      | Erection of Steel work out lined in item No.8 above including the charges for handling, leading and stacking at site at approved locations prior to erection including all site rivetting, bolting, jointing and site welding where ever required etc. complete as directed by Engineer-in-charge.**  | 7.00  | MT   | 3,241.60  | 22,691.20  |
| 10     | Painting at site of all structural steel work with 2 coats of aluminium paint / synthetic enamel paint of approved shade to trusses, columns, girders, bracings etc., with aluminium paint or synthetic enamel paint as required etc. complete as directed by Engineer-in-charge. <b>The required paint only will be issued free of cost by B.H.E.L at their stores.</b>  | 7.00  | MT   | 596.50    | 4,175.50   |
| 11     | <b>Filling</b> with available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidation each deposited layer by ramming and watering, lead upto 50.00 m and lift upto 1.50 m etc. complete as directed by Engineer-in-charge.   | 12.00 | Cu.M | 45.70     | 548.40     |

| S. No.  | Description of the item   | Qty   | Unit | Rate (₹) | Amount (₹)         |
|---|---|-------|------|----------|--------------------|
| 12  | <b>Conveyance</b> of excavated spoil up to a lead of 2 Kms, including loading, unloading and spreading etc. complete as directed by Engineer- in- charge. | 38.00 | Cu.M | 56.41    | 2,143.58           |
|   | Total   |       |      | ₹        | <b>1,85,177.71</b> |
|   | <b>Add increase in Vat 1% over the material cost (70% of Above value)</b>   |       |      | ₹        | 1,296.24           |
|   | <b>Total value of work</b>  |       |      | ₹        | <b>1,86,473.95</b> |
| <b>Total : ₹ One lakh eighty six thousand four hundred seventy three and ninety five paise only</b> |   |       |      |          |                    |

**Note: \*\* The cement, Structural steel, Tor steel will be issued free of cost by BHEL at BHEL stores.**

|   |   |
|---|---|
| 1 | A penalty of 0.5% of the gross value of work will be levied for every week's delay of work or part there of subject to a maximum penalty of 10% of the gross value of work executed after the period of completion. |
| 2 | The rates are inclusive of all taxes and duties except Service tax, which is extra as per service tax norms will be paid by BHEL to the agency after submission of necessary documents.                             |

**Note : The bidders are required to quote the tender value on percentage (%) basis at excess or less or on par with estimate value in figures and words.**

| Tender %        | In figure | In words |
|-----------------|-----------|----------|
| Excess          |           |          |
| Less            |           |          |
| Estimated value |           |          |