



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

SCHEDULE- A

Tender Notice No:

HY/FCD/OT-23/2011-12, Dt: 17.03.2012

PRICE BID

Item no.: 1

**Name of work: Modification to the existing Pipe / Plate gantry yards near ET hostel by providing compound wall.**

| S. No. | Description of the item  | Qty      | Unit | Rate (₹) | Amount (₹)   |
|--------|--|----------|------|----------|--------------|
| 1      | <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. | 2,295.00 | Cu.m | 103.40   | 2,37,303.00  |
| 2      | Providing and laying in position cement concrete of specified grade 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.   | 153.00   | Cu.M | 1,560.50 | 2,38,756.50  |
| 3      | Providing and laying in position specified grade, of <b>Reinforced cement concrete</b> excluding the cost of centering, shuttering, finishing and reinforcement - <b>all work up to plinth level with 1:2:4</b> (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) etc. complete as directed by engineer-in-charge.   | 170.00   | cu.m | 1,687.00 | 2,86,790.00  |
| 4      | <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.   | 1,428.00 | Sq.m | 180.40   | 2,57,611.20  |
| 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.  | 10.20    | M.T  | 4,003.00 | 40,830.60    |
| 6      | Pointing on stone work with cement mortar 1:3 (1 cement : 3 fine sand) : - Raised and cut pointing including curing etc. complete as directed by engineer-in-charge.   | 1,820.00 | Sq.m | 101.90   | 1,85,458.00  |
| 7      | <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.  | 612.00   | Cu.M | 45.70    | 27,968.40    |
| 8      | Coursed rubble masonry in second sort with hard stone in foundation & plinth with cement mortar 1:6 (1 cement : 6 coarse sand) etc. complete as directed by engineer-in-charge.  | 988.00   | Cu.M | 1,521.00 | 15,02,748.00 |

| S. No. | Description of the item  | Qty       | Unit | Rate (₹) | Amount (₹)   |
|--------|--|-----------|------|----------|--------------|
| 9      | Brick work with clay fly ash FPS brick of class designation 75 in super structure above plinth level upto floor five level in cement mortar 1:6 (1 cement : 6 Coarse sand) etc. complete as directed by engineer-in-charge.  | 1,080.00  | Cu.M | 1,808.00 | 19,52,640.00 |
| 10     | Plastering in <b>CM 1:6, 20 mm</b> thick to internal and external surfaces of walls including the cost of all materials, labour, curing etc., complete - Upto 10.00 M level etc. complete as directed by engineer-in-charge.   | 10,000.00 | Sq.m | 65.80    | 6,58,000.00  |
| 11     | Applying <b>exterior emulsion paint two coats</b> of given shade on old surfaces of walls at all heights of the buildings of shop annexes including scraping the old surfaces, cost of all labour and other incidentals. (Only exterior emulsion Paint will be issued on FREE of cost at BHEL stores) etc. complete as directed by engineer-in-charge.   | 10,000.00 | Sq.m | 20.55    | 2,05,500.00  |
| 12a    | 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 on FREE of cost at BHEL stores etc. complete as directed by engineer-in-charge. | 6.90      | MT   | 7,563.80 | 52,190.22    |
| b      | Erection of Steel work out lined in item No.12a above including the charges for handling, leading and stacking at site at approved locations prior to erection including all site riveting, bolting, jointing and site welding where ever required etc. complete as directed by engineer-in-charge.  | 6.90      | MT   | 3,241.60 | 22,367.04    |
| c      | 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. The required paint only will be issued on FREE of cost at BHEL stores etc. complete as directed by engineer-in-charge.  | 6.90      | MT   | 596.50   | 4,115.85     |

| S. No.  | Description of the item   | Qty       | Unit | Rate (₹)   | Amount (₹)          |
|---|---|-----------|------|------------|---------------------|
| 13  | Fencing with G.I barbed wire with angle iron post placed at required distance embedded in cement concrete blocks, every 15th post, last but one end post and corner post shall be strutted on both sides and end post on one side only and provided with horizontal wires, of barbed wire 9.38 kg per 100 m (minimum) between the two posts fitted and fixed with G.I staples, turn buckles etc. complete. (Cost of posts, struts, earthwork and concrete work to be paid separately) : payment to be made per meter cost of total length barbed wire used etc. complete as directed by engineer-in-charge. | 15,300.00 | R.M  | 8.45       | 1,29,285.00         |
| <b>Total</b>  |   |           |      | <b>Rs.</b> | <b>58,01,563.81</b> |
| <b>Add increase in Vat 1% over the material cost (70% of contractor scope)</b>                              |   |           |      |            | <b>40,610.95</b>    |
| <b>Total Value of work</b>  |   |           |      | <b>₹</b>   | <b>58,42,174.76</b> |
| <b>Total : Rs. Fifty eight lakhs forty two thousand one hundred seventy four and seventy six paise only</b> |   |           |      |            |                     |

**Note:**

|   |  |
|---|--|
| 1 | A penalty of 0.5% of the gross value of work will be levied for every week's delay of work subject to a maximum penalty of 10% of the gross value of work. |
| 2 | Service tax is extra as applicable, which will be reimbursable to the agency on production of paid proof documents.  |
| 3 | The rates are inclusive of all taxes and duties.   |

**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 |           |          |

Name of the Contractor :

Signature of the Contractor