



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

**SCHEDULE- A**

Tender Notice No:

HY/FCD/OT-14/2013-14, Dt: 27.12.2013

**PRICE BID**

Item no.:2

**Name of work: Balance civil works for silicon storage shed at 02 block.**

| S. No. | Description of the item                                                                                                                                                                                                                                                                                                                                                                                                 | Qty    | Unit | Rate (₹)  | Amount (₹)  |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------|-----------|-------------|
| 1      | 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>up to plinth level</b> with <b>1:1½:3</b> (1 cement : 1½ coarse sand : 3 graded stone aggregate of 20 mm nominal size). <b>The cement and steel will be issued free of cost by BHEL at BHEL stores.</b> | 105.00 | Cu.M | 1,641.30  | 1,72,336.50 |
| 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). <b>The cement will be issued free of cost by BHEL at BHEL stores- for ramps</b>                                                | 53.00  | Cu.M | 1,560.50  | 82,706.50   |
| 3      | <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. - <b>The steel will be issued free of cost by BHEL at BHEL Stores.</b>                                                                                                                                                                      | 8.40   | M.T  | 4,003.00  | 33,625.20   |
| 4      | <b>Preparation of subgrade</b> by excavation earth to an average of 22.5 cm, dressing to camber and consolidation with road roller including making good the undulations etc. and disposal of surplus earth lead upto 50 m etc. complete as directed by Engineer-in-charge.                                                                                                                                             | 525.00 | Sq.M | 33.90     | 17,797.50   |
| 5      | Fixing CR120 to 52 Kg rails for various gauges at crane girder level including fixing side guide angle etc., complete with necessary clamps required for fixing rails in position and alignment, leveling as per B.I.S 7215-1974. (M.S rails, M.S. Angles, Structural steel, clamps, bolts & nuts will be issued free of cost by BHEL at their stores).                                                                 | 6.00   | MT   | 10,805.40 | 64,832.40   |

| S. No. | Description of the item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Qty   | Unit | Rate (₹) | Amount (₹)  |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------|----------|-------------|
| 6      | Supply and fixing of required letters in required colours, sizes, three languages and numericals as embossing with aluminium composite panel (ACP) 3 mm thick in required colours for exteriors consisting of two layers of aluminium skins of 0.25 mm thick sandwiching a thermo plastic core in continuous lamination process with PVDC resin coating of exterior grades ensuring long colour and no fungal attacks. The above letters shall be fixed on back ground base panels as specified by Engineer-in-charge. Drawings with detailed measurements of letters, sizes are enclosed for reference. It includes cost of labour, materials accessories, adhesives, scaffolding, wastages, transport taxes fixing into a neat finish in aesthetic point of view, without any undulations in facias. Make ALEX PANELS. (payment will be measured for finished letter).                                                                                                                                | 6.00  | Sq.M | 2,991.00 | 17,946.00   |
| 7a     | 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. <b>The raw structural steel sections, electrodes, gasses will be issued by BHEL on FREE of cost at BHEL stores.</b> | 20.00 | MT   | 7,563.80 | 1,51,276.00 |
| b      | Erection of Steel work out lined in item No.7a 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 20.00 | MT   | 3,241.60 | 64,832.00   |

| S. No.                                                                                  | Description of the item                                                                                                                                                                                                                                                                                                                | Qty   | Unit | Rate (₹) | Amount (₹)         |
|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------|----------|--------------------|
| 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. <b>The required paint only will be issued free of cost by B.H.E.L at BHEL stores.</b> | 20.00 | MT   | 596.50   | 11,930.00          |
|                                                                                         | <b>Total value of work</b>                                                                                                                                                                                                                                                                                                             |       |      | ₹        | <b>6,17,282.10</b> |
| <b>Total : ₹ Six lakhs seventeen thousand two hundred eighty two and ten 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 or part there of subject to a maximum penalty of 10% of gross value of the total work executed. |
| 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 |           |          |