



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

SCHEDULE- A

Tender Notice No:

HY/FCD/OT-05/2013-14, Dt: 27.07.2013

PRICE BID

Item no.: 4

Name of work: Civil works-Spin test equipment-Relocation of liquid Nitrogen system.

| S. No. | Description of the item | Qty | Unit | Rate (₹) | Amount (₹) |
|--------|--|--------|------|----------|------------|
| 1 | Dismantling reinforced cement concrete / plain cement concrete and disposing of debris upto to a lead of 2 KM including loading, unloading and spreading as directed by Engineer-in-charge etc., complete. | 7.00 | Cu.m | 582.68 | 4,078.76 |
| 2 | Earth work in excavation in all soils 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. | 45.00 | 1.00 | 103.40 | 4,653.00 |
| 3 | 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 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate of 20 mm nominal size) etc. complete as directed by Engineer-in-charge.** | 12.00 | Cu.M | 1,560.50 | 18,726.00 |
| 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 up to plinth level with 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate of 20 mm nominal size) etc. complete as directed by Engineer-in-charge.** | 40.00 | Cu.M | 1,641.30 | 65,652.00 |
| 5 | Granolithic topping of 25 mm thick using 1 cement 1 granite chips of 10mm down graded laid over base concrete when it is green conditions and ironite finishing 12mm thick using a mix of 50Kg of ironite , 200 Kg of cement and 0.30 Cu.m of granite metal 6mm down graded including cost of form work, curing etc. complete as directed by Engineer-in-charge.** | 100.00 | Sq.m | 485.00 | 48,500.00 |
| 6 | Grouting with cement mortar 1:1 including cost of all materials, labour, curing, for all leads and lifts etc.; complete. For pockets. ** | 0.12 | Cu.m | 6,016.56 | 721.99 |
| 7 | Reinforcement for R.C.C. work 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.** | 1.00 | M.T | 4,003.00 | 4,003.00 |

| S. No. | Description of the item | Qty | Unit | Rate (₹) | Amount (₹) |
|--------|--|-------|------|----------|------------|
| 8 | Providing and placing on terrace (at all floor levels) of polyethylene water storage tank of 1000 ltrs capacity with double layer of make sintex/Aqua tech as per ISI 12701/96 with cover and suitable locking arrangement and making necessary holes for inlet and outlet and overflow pipes with fittings (ballcock, inlet and outlet nipples) without base support for tank. (Brick work will be paid separately) etc. complete as directed by Engineer-in-charge. | 1.00 | Each | 6,000.00 | 6,000.00 |
| 9 | Supply & fixing 25 mm dia Nominal Bore GI pipe, Class B medium Grade properties and weight as per IS 1239 ISI mark with GI fittings including the cost of GI pipe & its fittings, chasing brick work/concrete and making good the same, cost of labour, all materials etc. complete as directed by Engineer-in-charge. Make: Tata / Jindal / Zenith | 25.00 | R M | 191.00 | 4,775.00 |
| 10 | Supply & fixing of GM peet valves, heavy quality, ISI marked Leader/Zoloto make of nominal bore for 25mm dia (1") etc. complete as directed by Engineer-in-charge. | 2.00 | Each | 482.00 | 964.00 |
| 11 | Conveyance of excavated spoil up to a lead of 2 Kms, including loading, unloading and spreading etc. complete as directed by Engineer- in- charge. | 45.00 | Cu.M | 56.41 | 2,538.45 |
| 12 | 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 only will be issued by BHEL on FREE of cost at their stores. etc. complete as directed by Engineer-in-charge. | 3.50 | MT | 7,563.80 | 26,473.30 |
| 13 | Erection of Steel work out lined in item No.1 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. | 3.50 | MT | 3,241.60 | 11,345.60 |
| 14 | 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. The required paint only will be issued free of cost by B.H.E.L at their stores. | 3.50 | MT | 596.50 | 2,087.75 |

| S. No. | Description of the item | Qty | Unit | Rate (₹) | Amount (₹) |
|---|---|--------|------|----------|--------------------|
| 15 | Providing and fixing G.I. chain link fabric fencing of required width in mesh size 50x50 mm including strengthening with 2 mm dia wire or nuts, bolts and washers as required complete as per the direction of Engineer-in -charge made of G.I. wire of dia 4 mm etc. complete as directed by Engineer-in-charge. | 135.00 | sq.m | 373.45 | 50,415.75 |
| | Total value of work | | | ₹ | 2,50,934.60 |
| Total : ₹ Two lakhs fifty thousand nine hundred thirty four and sixty paise only | | | | | |

Note: ** The required cement and Tor steel will be issued free of cost by BHEL at BHEL stores.

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| 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 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 | | |