



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

**SCHEDULE- A**

Tender Notice No:

HY/FCD/OT-17/2019-20, Dt: 17.02.2020 Item  
No. 1

**PRICE BID**

**Name of work:- Replacement of roof trusses & providing roof sheeting and painting work in 08 Block.**

| S. No. | Description of the item   | Qty      | Unit | Rate (₹) | Amount (₹)  |
|--------|---|----------|------|----------|-------------|
| 1      | <b>Removal Existing roof/side cladding of AC Sheets roofing</b> , louvers side cladding including loading, carting, unloading etc., with in the premises up to a lead of 2 km as directed etc. complete all as directed by Engineer-in-charge.  | 1,300.00 | Sqm  | 37.84    | 49,190.05   |
| 2      | <b>Dismantling steel work</b> in built up sections in angles tees, flats and channels including all guest plates, bolts, cutting rivets, welding etc., including dismembering and stacking within 2 km lead. Work has to be carried out at a height of 16.00 m-20mts. If required the agency has to engage crane at his own cost for dismantling of structural steel at height of 16mtrs to 20mtrs in confining area etc. complete all as directed by Engineer-in-charge.   | 30.00    | MT   | 4,366.80 | 1,31,004.00 |
| 3      | Removing of existing North light glazing including loading, carting, unloading etc.; within the premises up to a lead of 2.00 KM as directed etc. complete all as directed by Engineer-in-charge.   | 310.00   | Sqm  | 37.84    | 11,729.94   |
| 4      | Supply & Fixing of <b>high performance industrial roof vents Turbo Ventilators of 600mm dia</b> made of aluminium alloy, designed to meet AS-2428.1.1993 to wind speed of 200 Km/Hr,dia 600mm and to the entry of wind driven rain at a range of 2.5 L/Sec. under cyclone condition and the profile of the turbo ventilator should match with the profile of the corrugated roofing sheet. The payment will not be made for the roofing sheet moulded with the turbo ventilators. (Ridge profile to be matched with roofing sheet) etc. complete all as directed by Engineer-in-charge. | 48.00    | Each | 5,700.00 | 2,73,600.00 |

| S. No. | Description of the item   | Qty    | Unit | Rate (₹) | Amount (₹)  |
|--------|---|--------|------|----------|-------------|
| 5      | <p><b>Fabrication of structural steel work</b> 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 <b>1 coats of zinc primer</b> or equivalent suitable to epoxy paint before erection etc., complete. The rate shall include painting 1 coat of zinc primer or equivalent suitable to epoxy paint as per IS specifications and all charges for handling, leading and loading at the fabrication yard.</p> <p>Work has to be carried out at a <b>height of 16.00 m to 20.00m. BHEL will give a single line drawings pertaining to roof trusses, bracings, lattices etc. The agency has to submit the detail working fabrication drawing for approval before taking up the work</b> etc. complete all as directed by Engineer-in-charge.</p> <p><b>The raw structural steel sections, electrodes, gasses will be issued by BHEL on FREE of cost at BHEL stores.</b></p> | 50.00  | MT   | 8,871.00 | 4,43,550.00 |
| 6      | <p>Erection of Steel work out lined 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.</p> <p>Work has to be carried out at a <b>height of 16.00 m to 20.00m. The required cranes for erection of trusses is to be under contractor scope</b> etc. complete all as directed by Engineer-in-charge.</p>  | 60.00  | MT   | 5,052.00 | 3,03,120.00 |
| 7      | <p><b>Painting at site of all structural steel work with 2 coats of Epoxy paint</b> after 1 coat of zinc primer or equivalent suitable to epoxy paint of approved shade to trusses, columns, girders, bracings etc., with Epoxy paint/Synthetic enamel as required etc., complete including surface preparation of structural steel, Epoxy/synthetic enamel painting etc. (The required Synthetic enamel/Epoxy paints will be supplied by BHEL on free of cost. Work has to be carried out at a height of 16.00 m to 20.00m etc. complete all as directed by Engineer-in-charge.</p>  | 350.00 | MT   | 696.00   | 2,43,600.00 |
| 8      | <p><b>Supplying and fixing plain PVC pipe of 160 mm dia</b> with 6Kg/Sqcm. of approved quality (make Sudhakar/Nandi) with specials, accessories like fixing clamps and approved sealing /jointing compound on the exterior of the inserted portion of the fitting and fixing in position and joining to MS gutters, including cost of all materials, sealing compound, labour etc., for all heights etc. complete all as directed by Engineer-in-charge.</p>  | 603.90 | RM   | 598.80   | 3,61,615.32 |
| 9      | <p>Supplying and fixing of <b>Fibre Reinforced acrylic roofing sheets 3mm thick</b> of light blue/white shade &amp; of approved brand to match with Roofing sheet including cost of all materials such as self driven bolts,nuts,washers etc. and fixing at all heights of the factory blocks etc. complete all as directed by Engineer-in-charge.</p>  | 196.35 | Sq.M | 1,236.90 | 2,42,865.32 |

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|----------------------------|---|----------|------|----------|-----------------------|
| 10                         | Providing & Fixing of <b>non-asbestos high impact Polypropylene reinforced cement 6 mm thick corrugated sheets</b> (as per IS: 14871) <b>Roofing, North light curves, Flashings, Ridges and other specials suitable to the sheeting works etc.</b> up to any pitch and fixing with polymer coated J, or L hooks & bolts including cutting sheets to size and shape wherever required. The profile should match with the existing roof sheeting and as approved by Engineer-in-charge and all related parameters is to be matched is as per IS 14871. The test certificate pertaining to for breaking load test is to be submitted by the agency from the reputed lab for approval and also all other test and pitch and height of corrugation physical characteristics is as per IS 14871 etc. complete all as directed by Engineer-in-charge. The work is to be carried out above 20 m height etc. complete all as directed by Engineer-in-charge. <b>Before quoting the agencies are advised to study the all parameters of the roof sheeting work in IS 14871.</b> | 3,500.00 | Sq.M | 324.00   | 11,34,000.00          |
| 11                         | Supply and fixing of 5 mm thick Multi wall <b>polycarbonate sheets</b> and anadoised aluminium glazing bars together with complete accessories for <b>North light glazing</b> of factory clocks including cost of all materials labour etc. complete all as directed by Engineer-in-charge.   | 1,336.50 | Sq.M | 1,147.13 | 15,33,132.56          |
| 12                         | Supply & Fixing of 0.5 mm thick <b>colour sheet flashings</b> hood / ridges/ triangular portion closers to require shape to suit site requirement with self threaded screws etc. complete all as directed by Engineer-in-charge.  | 267.89   | Sq.M | 855.00   | 2,29,045.95           |
| 13                         | Cleaning, removing rust with grinders, wire brush on the existing gutter, applying <b>chemical coating and placing</b> of 1mm fibre sheet and applying the chemical coating on the fibre. The above procedure is adopted up to the 3mm thickness layer etc. complete all as directed by Engineer-in-charge.   | 50.00    | Sq.M | 1,321.30 | 66,064.90             |
| <b>Total Value of work</b> |   |          |      |          | <b>₹ 50,22,518.03</b> |

**Note:**

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| 1 | Risk Purchase : In case the contractor fails to execute the work within the scheduled time or due to any other reasons, BHEL reserves the right to get the same completed through some other party at the risk & cost of the contractor and any additional expenditure incurred due to the same shall be charged to the contractor.  |
| 2 | The rate does not include VAT and service tax. GST is extra as applicable which will be reimbursed to the agency against submission of documentary proof.  |
| 3 | <b>Penalty terms:</b><br>a) In the event of delay in supply of goods and or services beyond contractual delivery date, penalty of 0.5% per week or part there of shall be levied on the gross value of work done subject to a maximum of 10% of the gross value of the total work executed. Penalty amount so determined along with GST if applicable thereon shall be recovered.<br>b) If the contractor fails to deposit the required security deposit or commence the work within the period as per LOI/Contract. The EMD will be forfeited.<br>c) If the agency fails to commence the work as requested by the department penalty of 0.5% on the gross value of work for weeks delay will be applicable. Penalty amount so determined along with GST if applicable thereon shall be recovered. |

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| 4      | <p><b>Taxes:</b> Bidders shall quote their Basic price exclusive of taxes. The applicable taxes on supply of material or services, as the case may be viz. GST shall be quoted separately, clearly showing the Service Code/Tariff Head, Rate of Tax and Amount of Tax in the Bid. The reimbursement of taxes to the contractor is contingent upon fulfilment by the contractor of all statutory provisions as stipulated in the relevant taxation statute enabling BHEL to avail the eligible input tax credits.</p> <p>TDS at the rates prescribed under Income Tax Act shall be deducted from the payments due to Contractor and BHEL shall issue the necessary TDS Certificates for such deductions made.</p> |     |      |          |            |
| 5      | The tender % age quoted by the contractor shall be inclusive of all taxes and duties other than GST as applicable from time to time.  |     |      |          |            |
| 6      | All the bills of the contractors will be cleared subject to the production of clearance certificate by the contractors in respect of compliance of all statutory requirement, issued by IR section of HR department BHEL.   |     |      |          |            |
| 7      | The agency shall submit the I.R. clearance certificate for the above work and arrange to get the final bill sent to Finance within one month from the actual date of completion of work.  |     |      |          |            |
| 8      | The maintenance period is <b>12 months</b> . The security deposit will be released after satisfactory completion of the work and after getting I.R clearance and payment of final bill.   |     |      |          |            |
| 9      | The agency has to pay the minimum wages to workers with statutory payments like ESI, PF etc., is as per BHEL notification and as per NIT. For USW= ₹ 507.22, SSW= ₹ 544.57, SW = ₹ 580.38 + ESI + PF + PPE's and other statutory if any increase in future DA is to be borne by the agency.   |     |      |          |            |
| 10     | The agency has to bring police clearance certificate for the work force.  |     |      |          |            |
| 11     | All the terms and conditions of the contract with respect to taxes & duties are subject to the new taxation laws introduced from time to time (e.g. GST). The terms and conditions will be modified in accordance with the provisions of new laws (e.g. GST).   |     |      |          |            |
| 12     | The Company does not expressly or by implication agree that the actual amount of the work to be done at BHEL shall correspond there with, but reserves the right to increase or decrease the quantity of operations / unit / number of persons deployed etc., or portion of the work as he deems necessary. Use of Stone dust is not permitted in any civil works.  |     |      |          |            |
|        | <b><u>GST CLAUSES</u></b>   |     |      |          |            |
|        | Following points to be complied with :  |     |      |          |            |
| 13     | In case GST credit is delayed/denied to BHEL due to non/delayed receipt of goods and/or tax invoice or expiry of timeline prescribed in GST law for availing such ITC, or any other reasons not attributable to BHEL, GST amount shall be recoverable from vendor along with interest levied/leviable on BHEL.  |     |      |          |            |
| 14     | In case vendor delays declaring such invoice in his return and GST credit availed by BHEL is denied or reversed subsequently as per GST law, GST amount paid by BHEL towards such ITC reversal as per GST law shall be recoverable from vendor/contractor along with interest levied / leviable on BHEL.  |     |      |          |            |
| 15     | The bidder shall arrange to send to BHEL, Hyderabad along with all the required documents as in Purchase Order, Tax Invoice (Original for Recipient) along with his bills.  |     |      |          |            |
| 16     | Vendor to ensure correct applicability of IGST/CGST/SGST/UTGST based on the Inter /Intra state movement Supply of goods and services or both.   |     |      |          |            |
| 17     | Taxes and duties prevalent on the contractual delivery date or the actual delivery date (in case of delay) whichever is lower shall be applicable paid. Composition Scheme to be addressed.   |     |      |          |            |
| 18     | Vendor shall note that the Invoice has to be raised quoting HSN Code of Goods or Accounting Code of Services or both wherever applicable.   |     |      |          |            |
| 19     | Invoice should mention BHEL-HPEP-HYDERABAD GSTIN: 36AAACB4146P1ZG or GSTIN of BHEL Nodal Agency as mentioned in PO.   |     |      |          |            |
| 20     | In case of any short supply of goods or service Vendor has to raise a credit note for short supplied quantity as per GST provisions.  |     |      |          |            |

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|---------------|---|-----|------|----------|------------|
| 21            | Any GST liability arising on BHEL under reverse charge before actual receipt of goods and or services and/or invoice thereof would be subject to recovery of interest leviable for the period between the date of such liability and actual date of eligibility of ITC based on receipt of goods, receipt of invoices and other conditions specified in GST law, as applicable.   |     |      |          |            |
| 22            | Supplier shall mention their GST registration number in all their invoices and invoices shall be in the format as specified/prescribed under GST laws. Invoices shall necessarily contain Invoice number (in case of multiple numbering system is being followed for billing like SAP invoice no, commercial invoice no etc., then the Invoice No which is linked/uploaded in GSTN network shall be clearly indicated), item description as per PO, Quantity, Rate, Value, applicable taxes with nomenclature (like IGST, SGST, CGST & UTGST) separately, HSN/ SAC Code, etc. |     |      |          |            |
| 23            | A declaration to the effect that all tax liability as per GST rules and regulations shall be discharged.  |     |      |          |            |
| <b>Note :</b> | <b>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</b>  |     |      |          |            |

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