



SCHEDULE-A

BHARAT HEAVY ELECTRICALS LIMITED

HPEP, RAMACHANDRAPURAM, HYDERABAD-502032
FACTORY CIVIL & PROJECTS DEPARTMENT

PRICE BID

Ref No: Tender Notice No: **HY / FCD / OT-02 / 2022-23, date: 20.05.2022**

Bill of Quantities

Name of the work : "Reconstruction of Factory boundary wall at collapsed location behind Old Loco Shed near MIG Gate."

S.No	Description	Unit	Quantities	Unit Rate	Amount
1	Dismantling Stone rubble masonry (CRS) manually / by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 m lead as per direction of Engineer-In-Charge.	m ³	55.00	Rs. 766.78	Rs. 42,172.90
2	Dismantling brick masonry walls for all heights, removing and clearing the debris and carting away upto to lead of 2 km including loading, unloading and spreading segregating useful materials as directed by Engineer-in-charge including the cost of all labour scaffolding etc., complete.	m ³	85.00	Rs. 655.09	Rs. 55,682.65
3	Earth work in excavation in all soils by mechanical means (Hydraulic Excavators) / manual means in foundations trenches or drains (not exceeding 1.5 m 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 50 m.	m ³	135.00	Rs. 133.52	Rs. 18,025.20
4	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) - The cement will be issued free of cost by BHEL at their stores.	m ³	5.00	Rs. 2,396.28	Rs. 11,981.40
5	Coursed rubble masonry in second sort with hard stone in foundation & plinth with cement mortar 1:6 (1 cement : 6 coarse sand) - The cement will be issued free of cost by BHEL at their Stores.	m ³	65.00	Rs. 2,661.69	Rs. 1,73,009.85
6	Brick work with Ground moulded clay FPS brick in super structure above plinth level upto floor five level in cement mortar 1:6 (1 cement : 6 Coarse sand). -The cement will be issued free of cost by BHEL at their Stores.	m ³	75.00	Rs. 3,272.40	Rs. 2,45,430.00
7	Plastering in CM 1:6, 20 mm thick to internal and external surfaces of walls including the cost of all materials, labour, curing etc, complete - Upto 10.00 m level. The cement will be issued free of cost by BHEL at their Stores.	m ²	760.00	Rs. 122.95	Rs. 93,442.00

Name of the work : "Reconstruction of Factory boundary wall at collapsed location behind Old Loco Shed near MIG Gate."

S.No	Description	Unit	Quantities	Unit Rate	Amount
8	Applying exterior emulsion paint two coats over one coat of primer of given shade on old / new external plastered surfaces of walls at all heights of the building including scraping the old surfaces, cost of all labour and other incidentals. (Only exterior emulsion paint will be supplied by BHEL on free of cost and primer is to be supplied by the contractor).	m ²	750.00	Rs. 36.71	Rs. 27,532.50
9	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). The cement and steel will be issued free of cost by BHEL at their stores.	m ³	45.00	Rs. 2,549.18	Rs. 1,14,713.10
10	Centering and shuttering including strutting, propping etc; and removal of form work, for Foundations(Raft), footings, bases of columns, etc. for mass concrete etc.	m ²	390.00	Rs. 170.37	Rs. 66,444.30
11	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. - The steel will be issued free of cost by BHEL at their Stores.	MT	3.50	Rs. 7,522.27	Rs. 26,327.95
12	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth upto 30 cm measured at a height of 1m above ground level and removal of rubbish upto a distance of 50 m outside the periphery of the area cleared.	m ²	900.00	Rs. 4.92	Rs. 4,428.00
13	Filling 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.	m ³	60.00	Rs. 85.55	Rs. 5,133.00
14	Conveyance of excavated spoil up to a lead of 2 km, including loading, unloading and spreading etc. complete as directed by Engineer-In-Charge.	m ³	60.00	Rs. 95.90	Rs. 5,754.00

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S.No	Description	Unit	Quantities	Unit Rate	Amount
15	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.	MT	1.00	Rs. 9,274.99	Rs. 9,274.99
16	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.	MT	1.00	Rs. 3,974.99	Rs. 3,974.99
17	Painting at site of all structural steel work with 2 coats of aluminum paint / synthetic enamel paint of approved shade to trusses, columns, girders, bracings etc., with aluminum paint or synthetic enamel paint as required etc., complete. The required paint only will be issued free of cost by BHEL at their stores.	MT	1.00	Rs. 1,537.37	Rs. 1,537.37
18	Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia 10 m openable length (Total length 90 m), having 50 Nos rounds per 6 m length, upto 3 m height of wall with existing angle iron 'Y' shaped placed 2.4 m or 3.00 m apart and with 9 horizontal RBT reinforced barbed wire, stud tied with GI staples and GI clips to retain horizontal , including necessary bolts or GI barbed wire tied to angle iron, all complete as per direction of Engineer-In-Charge, with reinforced barbed tape (RBT) / Spring Core (2.5 mm thick) wire of high tensile strength of 165 kg/Sq.mm with tape (0.52 mm) and weight 43.478 gm/m (Cost of MS angle, CC blocks shall be paid separately).	m	115.50	Rs. 257.82	Rs. 29,778.21
19	Dismantling steel work in built up sections in angles tees, flats and channels including all gusset plates, bolts, cutting rivets, welding etc., including dismembering and stacking within 50 m lead.	MT	2.50	Rs. 1,650.43	Rs. 4,126.08

Name of the work : "Reconstruction of Factory boundary wall at collapsed location behind Old Loco Shed near MIG Gate."

S.No	Description	Unit	Quantities	Unit Rate	Amount
20	Removal Existing roof/side cladding of Galvalume Sheets roofing, louvers side cladding including loading, carting, unloading etc., with in the premises up to a lead of 2 km as directed.	m ²	255.00	Rs. 58.12	Rs. 14,820.60
21	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete - 450 mm dia R.C.C pipe.	m	5.00	Rs. 546.41	Rs. 2,732.05
Total Cost excluding GST					Rs. 9,56,321.14

Notes:

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 rates are excluding GST.
3	The maintenance period is 12 (TWELVE) months. The security deposit will be released after satisfactory completion of the work including Maintenance Period and after getting I.R clearance and payment of final bill.
4	<p>Penalty terms: Refer Clause 2.1.3 of NIT</p> <p>The following Penalties are envisaged in the contract and shall be assessed and recovered independently:</p> <p>(a) DELAY IN COMPLETION OF WORK: In the event of delay in supply of goods or services or works beyond contractual delivery date, a penalty of 0.5% per week or part thereof 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.</p> <p>(b) DELAY IN DEPOSITION OF SECURITY DEPOSIT: If the Contractor fails to deposit the required security deposit within ONE week period from the next date of issue of LoI or respective date as per LoI / Work Order, whichever is earlier, EMD shall be forfeited and the Contractor / Tenderer will automatically be suspended from being eligible for bidding in any contract with BHEL for a period of TWO years from the date of notification.</p> <p>(c) DELAY IN COMMENCEMENT OF WORK: If the Contractor fails to commence the work within the FIFTEEN (15) days period from the next date of issue of LoI or respective date as per LoI / Work Order or as requested by the BHEL, whichever is earlier, a penalty of 0.5% per week delay or part thereof or EMD whichever is higher, shall be recovered. Penalty amount so determined along with GST, if applicable thereon shall be recovered.</p> <p>(d) USAGE OF CRUSHED STONE SAND: Coarse and Fine Aggregates shall be conforming to IS 383. However, if Crushed stone sand is used in masonry / concrete / plastering or any other cement related work(s), Amount payable for such item shall be reduced by 20% (TWENTY PERCENT) to the extent of quantity executed using crushed stone sand (also locally called as robo sand etc.)</p>



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5	Taxes: 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. 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.
6	The tender % age quoted by the contractor shall be inclusive of all taxes and duties other than GST as applicable from time to time.
7	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.
8	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.
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= ₹ 550.38, SSW= ₹ 587.73, SW = ₹ 623.54 + 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 contact 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	Payment shall be made stage wise on approval from engineer in charge
13	Vendor shall raise GST invoice on BHEL Hyd GSTIN.
14	If BHEL is unable to avail the input tax credit, the same amount shall be recovered from the vendor bills.
15	Use of crushed stone dust is not permitted in any civil works.
GST CLAUSES Following points to be complied with :	
1	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.
2	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.
3	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.
4	Vendor to ensure correct applicability of IGST/CGST/SGST/UTGST based on the Inter /Intra state movement Supply of goods and services or both.
5	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.
6	Vendor shall note that the Invoice has to be raised quoting HSN Code of Goods or Accounting Code of Services or both wherever applicable.
7	Invoice should mention BHEL-HPEP-HYDERABAD GSTIN: 36AAACB4146P1ZG or GSTIN of BHEL Nodal Agency as mentioned in PO.



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8	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.
9	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.
10	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.
11	A declaration to the effect that all tax liability as per GST rules and regulations shall be discharged.

Tender %	In Figures	In Words
Excess		
Less		
At par with Estimated value		

Note :	The bidders are required to quote the tender value on percentage (%) basis at excess or less or at par with estimated value in figures and words. Bidders are requested to fill only one row.
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