



BHARAT HEAVY ELECTRICALS LIMITED
RAMACHANDRAPURAM, HYDERABAD-32
Township Administration Department

SCHEDULE- A

Tender Notice No:
HY/TA/OT-01/2022-23, Dt: 08.04.2022

PRICE BID

Name of work: Major Civil Repair works for 35 Qtrs. to transfer-in employees

S. No	Description	Qty	Unit	Rate in Rs	Amount (Rs)
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.	120.00	Cu.m	1054.10	1,26,492.00
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.	20	Cu.m	641.75	12,835.00
3	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. For thickness of tiles 10 mm to 25 mm	10.00	Sqm	20.30	203.00
4	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 2 Km lead . (area beyond 3 sq. metres).Door should be removed carefully without any damage for refixing.	10.00	each	206.65	2,066.50
5	Earth work in excavation 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.	60.00	Cu.m	130.80	7,848.00
6	Filling available excavated earth (excluding rock) intrenches , plinth , sides of foundations etc. in layers not exceeding 20 cm in depth , consolidation each deposited layer by ramming and watering , lead upto 50 m lift upto 1.5 m .	40.00	Cu.M	83.80	3,352.00
7	Conveyance of excavated spoil up to a lead of 2 Kms, including loading , unloading and spreading etc. complete as directed by Engineer- in- charge.	250.00	Cu.M	93.94	23,485.00
8	Providing and laying in position plain cement concrete of specified grade, consolidation excluding the cost of centering and shuttering - all work up to plinth level with 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate of 20 mm nominal size).All items supply are in contractor scope only	20.00	Cu.M	3,593.30	71,866.00
9	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 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) . All materials supply are in contractor scope only	100.00	Cu.M	4,514.05	4,51,405.00
10	Brick work with FPS bricks of Ground moulded in superstructure above plinth level up to floor V level in all shapes and sizes in cement mortar 1:6. All items supply are in contractor scope only	15.00	Cu.M	3,876.15	58,142.25
11a	Dismantling and disposal of plastering on walls up to a distance of 2 kms. Lead , the following including the cost of labour, tools, transport etc. all complete all as directed by Engineer-in-charge.	1250.00	Sq.m	8.20	10,250.00
b	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 height. All materials supply are in contractor scope only	1150.00	Sq.m	156.15	1,79,572.50
12	Plastering in CM 1:6 , 12 mm thick to internal and external surfaces of walls including the cost of all materials, labour, curing etc., complete. All materials supply are in contractor scope only	145.00	Sq.m	112.50	16,312.50

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13	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), including grouting the joints with white cement and matching pigments etc., complete.All materials supply are in contractor scope only	200.00	Sqm	1337.1	2,67,420.00
14	Plastering to the ceiling in CM 1:3, 6mm (1 cement : fine sand). All materials supply are in contractor scope only.	600.00	Sq.m	101.00	60,600.00
15	Providing and laying water proofing treatment on roofs of slabs by applying cement slurry mixed with water proofing cement compound consisting of applying: a) after surface preparation, first layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/sqm. b) laying second layer of Fibre glass cloth when the first layer is still green. Overlaps of joints of fibre cloth should not be less than 10 cm. c) third layer of 1.5 mm thickness consisting of slurry of cement @ 1.289 kg/sqm mixed with water proofing cement compound @ 0.670 kg/sqm and coarse sand @ 1.289 kg/sqm. This will be allowed to air cure for 4 hours followed by water curing for 48 hours. The entire treatment will be taken upto 30 cm on parapet wall and tucked into groove in parapet all around. d) fourth and final layer of brick tiling with cement mortar (which will be paid for separately. All materials supply are in contractor scope only	200.00	Sq.m	311.50	62,300.00
16	Finishing walls with water proofing cement paint of required shade : New work (Two or more coats applied @ 3.84 kg/10 sqm).All materials supply are in contractor scope only.	200.00	Sq.m	44.95	8,990.00
17	Extra for providing and mixing water proofing material in cement concrete work in doses as per manufacturer's specification. All materials supply are in contractor scope only.	500.00	per 50 kg Cement	35.35	17,675.00
18	Supply & fixing 15 mm dia Nominal Bore GI pipe 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. Make: TATA/JINDAL/ZENITH	10	RM	119.60	1,196.00
19	.. Do... 20mm dia (3/4")	10	RM	142.85	1,428.50
20	.. Do... 25mm dia (1")	10	RM	154.45	1,544.50
21	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 a) 15 mm nominal bore 18.53.1 15mm nominal bore.All materials supply are in contractor scope only.	5	Each	449.35	2,246.75
22	Felling trees of the girth (measured at a height of 1m above ground level) including cutting of trunks and branches removing the roots and stacking of serviceable material and disposal of unsserviceable material.Beyond 30cm girth upto and including 60cm girth	10.00	Each	148.20	1,482.00
23	Dismantling the existing one & Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests.MAKE:-Parry ware/Hindware/Cera	15	Each	2964.10	44,461.50
24	vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I.brackets,40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and	15	Each	4220.80	63,312.00

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25	basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require : White Vitreous China Wash basin size	15	Each	1848.35	27,725.25
26	Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings.MAKE:-Parry ware/Hindware/Cera	4	Each	894.70	3,578.80
27	Supplying and fixing CI Nahany traps 1st quality ISI marked conforming to IS: 1729 - 1979 with C.P Grating fixing with white cement as per site requirements with standard practice - 100mm inlet - 75 mm dia (3") outlet pipe - 4 Kgs.	15	Each	210.00	3,150.00
28	Manufacture, Supply and Delivery of Unplasticised PVCs Pipes of dia 75MM for potable water supplies conforming to IS : 4985/2000 (3rd revision) with bell ends (Socket) as per specification in light Grey/Natural Ivory Grey/ Any other Color (except White) inclusive of ansportation to the sub-divisionalstores anywhere in AP excluding Excise duty and Sales Tax etc.(6Kgs/cm2)	110	RM	103.00	11,330.00
29	...do...110mm PVC pipe	130	RM	215.00	27,950.00
30	Supplying & Applying one or more coat of synthetic enamel paint of given shade to old wood work including scraping old surfacess, cost of all labour, tools and other incidentals etc., complete.All materials supply are in contractor scope only. Paint should be of reputed brand.	2000.00	One Sq.m	35.20	70,400.00
31	White washing with lime to give an even shade :Old work (two or more coats).All materials supply are in contractor scope only.	2000.00	One Sq.m	7.05	14,100.00
32a	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.All materials supply are in contractor scope only.	3000.00	One Sq.m	7.50	22,500.00
b	Supplying & Applying Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade: putty should be applied to uneven surfaces wherever required.All work should be completed as directed by engineer in charge.Old work (one or more coats).All materials supply are in contractor scope only. Paint should be of reputed brand.	3000.00	One Sq.m	23.40	70,200.00
33	Supplying & Applying Wall painting with acrylic emulsion paint , having VOC (Volatile Organic Compound) content less than 50 grams/ litre, of approved brand and manufacture, including scraping the old surface and applying additional coats wherever required, to achieve even shade and colour. (Two coats). All materials supply are in contractor scope only.All materials supply are in contractor scope only. Paint should be of reputed brand.	13000.00	One Sq.m	56.60	7,35,800.00
34	Supplying & Applying Varnishing with flatting varnish of approved brand and manufacture one or more coats on old work.All materials supply are in contractor scope only.All materials supply are in contractor scope only. Paint should be of reputed brand.	80.00	One Sq.m	32.00	2,560.00
35	Providing and fixing 100 mm sand cast Iron grating for gully trap.	20.00	each	24.60	492.00
36	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design :	10.00	each	1,256.35	12,563.50

S. No	Description	Qty	Unit	Rate in Rs	Amount (Rs)
37	Constructing masonry chamber 30x30x50 cm inside with 75 class designation brick work in cement mortar 1:4(1 cement 4 coarse sand) for stop cock with CI surface box 100x100x75mm (inside) with hinged cover fixed in cement concrete slab 1:2:4 mix (1 cement 2 coarse sand 4 graded stone aggregate 20mm nominal size) necessary excavation foundation concrete 1:5:10(1 cement 5 fine sand 10 graded stone aggregate 40mm nominal size) and 12mm thick finished	20.00	each	908.95	18,179.00
38	Providing and fixing PTMT stop cock of approved quality and colour.(15MM)	17.00	each	130.10	2,211.70
39	Providing and fixing PTMT bib cock of approved quality and colour(15mm)	17.00	each	130.10	2,211.70
40	Providing and fixing PTMT pillar cock of approved quality and colour(15mm)	17.00	each	202.25	3,438.25
41	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.	5.00	each	65.3	326.50
42	Providing and fixing PTMT Waste Coupling for wash basin and sink,of approved quality and colour - Waste coupling 31 mm dia of 79 mm length and 62mm breadth weighing not less than 45 gms.	5.00	each	94.35	471.75
43	Providing and fixing ISI marked flush door shutters conforming to IS :2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters.	32.00	Sqm	1984.8	63,513.60
44	Supply and fixing 30 mm thick factory made Polyvinyl Chloride (PVC) door shutter made of styles and rails of a uPVC hollow section of size 60x30 mm and wall thickness 2 mm (± 0.2 mm), with inbuilt decorative moulding edging on one side. The styles and rails mitred and joint at the corners by means of M.S. galvanised/ plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutterreinforced by inserting galvanised M.S. tube of size 25x20 mm and 1 mm (± 0.1 mm) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100x30 mm and 2 mm (± 0.2 mm) wall thickness fixed to the shutter styles by means of plastic/ galvanised M.S. 'U' cleats. The shutter frame filled with a uPVC multi-chambered single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm (± 0.1 mm) wall thickness . The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge	32.00	Sqm	2587.25	82,792.00

S. No	Description	Qty	Unit	Rate in Rs	Amount (Rs)
45	Labour charges for laying of APP (Atactic Polypropylene Polymer) modified prefabricated five layer 3mm thick water proofing membrane. Application Methodology is as follows:• Cleaning of existing surface.• Apply a coat of Shalikote T-30 Primer @ 0.300 Grms / Sqmtr and allow it to dry.• Apply a coat of Bitumen / tar 85/25 is 702 @ 1.2 Kg per Sqmt • On the primed surface start laying of membrane at lowest point of the slope roof and progress to the higher point Unroll the membrane half-way, align the side laps and fix super thermo lay 3 mm (Plain) APP membrane by using a LPG torch and applying uniform pressure with a roller / wet cloth to ensure to remove entrapped air if any.• Flame should be moved in shape of 'L' applying about 75% of the heat to the roll and 25% to the substrate including the lap area of previously installed membrane. The flame should be moved across the width and upto the lap edge while membrane is slowly unroll and adhered to the under lying surface.• Heat both layers of membrane at the overlap and used round tipped hot towel to seal the overlap. Excess compound should be smoothen and pressed into seam using hot trowel. Overlap joint shall be provided of 75 mm in longitudinal direction and 100mm in transverse direction. • Seal the joint with 85/25 grade bitumen/tar. Note: Only APP Membrane will be FREE Issue from BHEL, remaining all other required materials and tools are in contractor scope only.	2340.00	Sqm	109.76	2,56,838.40
46	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.	1251.00	Sqm	4.82	6,029.82
47	Dismantling of old S.W. pipes including breaking of joints and bed concrete stacking of useful materials near the site within 50 m lead and disposal of unserviceable materials into municipal dumps :				-
a	100 mm diameter	20	RM	24.40	488.00
b	150 mm diameter	15	RM	26.95	404.25
c	200 mm diameter	15	RM	28.70	430.50
48	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete				-
a	19.1.1 100 mm diameter	20	RM	150.10	3,002.00
b	19.1.2 150 mm diameter	15	RM	219.05	3,285.75
c	19.1.3 200 mm diameter	15	RM	323.05	4,845.75
49	Dismantling & Fixing of Sintex Tank 1000 Lits. Capacity PVC Cylindrical double layered Water Tank Sintex make with all accessories (25mm Ball Cock 1 No., 25 mm Tank Nipples - 3 with Check Nuts, Washers etc.) etc. including labour charges complete as directed by the Engineer-in-charge. Tank will be supplied from Township store.	12.00	Each	465.71	5,588.52
50	Demolishing R.C.C. work neatly by diamond cutting by mechanical means including stacking of steel bars and disposal of unserviceable material upto 2 km lead as per direction of Engineer - in- charge	1.00	Cum	10620	10,620.00
		Total Estimate Work (A) = Rs.			2963513.04
Tender % on A					
	In Words			In Figures	
Excess					
Less					
Estimate					
*	The bidders are required to quote the tender value on percentage (%) basis at excess or less or on par with estimated value in figures and words.Bidders are requested to fill only one row.				
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	All the materials are in the Contractor Scope Only. BHEL Will not give any FREE Issue Materials. All the materials like Structural Steel / Torsteel / Cement shall be submitted as per Indian Standard and Test Certificate shall be submitted along with materials.				
3	The rates are Excluding taxes.				

S. No	Description	Qty	Unit	Rate in Rs	Amount (Rs)
4	The maintenance period is 12 (Twelve) months . The security deposit will be released after satisfactory completion of the work and after getting I.R clearance and payment of final bill.				
5	Penalty terms: 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. b) 1) If the agency fails to commence the work within 7 days from the date of LOI, a penalty of 0.5% per week delay, subject to a maximum of 2% of the gross value of work will be applicable. if such delay extends beyond 8 weeks, then BHEL reserves the right to terminate the contract without further notice and to initiate risk purchase clause.				
6	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.				
7	The tender % age quoted by the contractor shall be inclusive of all taxes and duties other than GST as applicable from time to time.				
8	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.				
9	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.				
10	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.				
11	The agency has to bring police clearance certificate for the work force.				
12	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).				
13	Payment shall be made stage wise on approval from engineer in charge				
14	Vendor shall raise GST invoice on BHEL Hyd GSTIN.				
15	If BHEL is unable to avail the input tax credit, the same amount shall be recovered from the vendor bills.				
16	Use of stone dust is not permitted in any civil works.				
	GST CLAUSES				
	Following points to be complied with :				
17	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.				
18	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.				
19	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.				
20	Vendor to ensure correct applicability of IGST/CGST/SGST/UTGST based on the Inter /Intra state movement Supply of goods and services or both.				
21	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.				
22	Vendor shall note that the Invoice has to be raised quoting HSN Code of Goods or Accounting Code of Services or both wherever applicable.				
23	Invoice should mention BHEL-HPEP-HYDERABAD GSTIN: 36AAACB4146P1ZG or GSTIN of BHEL Nodal Agency as mentioned in PO.				
24	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.				
25	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.				
26	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.				
27	A declaration to the effect that all tax liability as per GST rules and regulations shall be discharged.				