



BHARAT HEAVY ELECTRICALS LIMITED
RAMACHANDRAPURAM, HYDERABAD-32
FACTORY CIVIL & PROJECTS DEPARTMENT

SCHEDULE- A

Tender Notice No:

HY/FCD/OT-20/2021-22 Dt: 20.01.2022

PRICE BID**Name of work: Provision of new toilet in CCSM bay of 04 shop.**

S. No	Description	Qty	Unit	Rate in Rs	Amount (Rs)
	Part-I-Civil Works				
1	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.	46.00	Cu.m	143.88	6,618.48
2	Filling 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 m lift upto 1.5 m.	36.00	Cu.M	92.18	3,318.48
3	Conveyance of excavated spoil up to a lead of 2 Kms, including loading , unloading and spreading etc. complete as directed by Engineer- in- charge.	10.00	Cu.M	103.33	1,033.34
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 BHEL stores.	8.00	Cu.m	2,582.21	20,657.65
5	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 will be issued free of cost by BHEL at BHEL stores.	4.00	Cu.M	2,746.96	10,987.86
6	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 floor V level with 1:1½ :3 (1 cement : 1½ coarse sand : 3 graded stone aggregate of 20 mm nominal size).	10.00	One Cu.M	3,451.95	34,519.54
7	Centering and shuttering including strutting, propping etc; and removal of form work, for Foundations(Raft), footings, bases of columns, etc. for mass concrete etc. upto plinth level.	90.00	Sq.M	183.59	16,523.10
8	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.	1.00	M.T	8,105.90	8,105.90
9	Brick work with FPS bricks of class designation 75 in superstructure above plinth level up to floor V level in all shapes and sizes in cement mortar 1:6. The cement will be issued free of cost by BHEL at BHEL stores.	20.00	Cu.m	3,526.31	70,526.28

S. No	Description	Qty	Unit	Rate in Rs	Amount (Rs)
10	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 BHEL stores.	165.00	Sq.m	132.48	21,859.86
11	Cement Plaster to ceiling /walls with 12mm thick cement plaster finished with a floating coat of neat cement of mix 1:3 (1 cement : 3 fine sand). The cement will be issued free of cost by BHEL at BHEL stores.	25.00	Sq.m	121.33	3,033.25
12	Plastering over roof slab in CM 1:4, 20mm thick mixed with water proofing compound, Make: "Sika" @ 3% by weight of cement as per manufacturer's specification, curing as directed. Rate quoted shall include finishing, cost of all materials and labour etc., complete. (Cement =7.69 kgs/sq.m x3% WP@ Rs 20.00 per kg = Rs 4.61) upto 10 m height.	25.00	Sq.m	134.01	3,350.33
13	Applying two or more coats of oil bound distemper of given shade over a coat of primer including through cleaning of the surfaces, cost of all labour and other incidentals. (Only OBD will be supplied by BHEL)-For new work.	180.00	Sq.M	61.57	11,082.06
14	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 ,Two or more coats on new work including, cost of all labour and other incidentals. (Only exterior emulsion paint will be supplied by BHEL on free of cost and primer has to be supplied by the contractor).	70.00	Sq.M	39.56	2,768.92
15	Supply & fixing of 18 mm thick best quality approved colour and design machine cut mirror polished granite slabs in required sizes for counter wash basins, floorings, vanity counter, claddings, facias etc. including cutting, champering, rounding and mirror polishing etc. complete as directed. Cost of granite slabs shall be Rs. 1600/- per Sq. m and granite slabs of required design and colour will be selected by department.	28.00	sq.m	3,547.01	99,316.14
16	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (thickness to be specified by the manufacture) of approved make in all colours, shades except burgundy, bottle green , black of any size as approved by engineer-in-charge in skirting , risers of steps and dados over 12mm thick bed of cement mortar 1:3 (1cement : 3 coarse sand) and fixing tiles with grey cement slurry @ 3.3 Kg per Sq.m including poniting in white cement mixed with pigment of matching shade complete.	65.00	Sq.M	728.20	47,333.00
17	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.	15.00	Cu.m	705.93	10,588.88
18	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.	4.00	Cu.m	1,159.51	4,638.04
19	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth upto 30 cm measured at a height of 1 m above ground level and removal of rubbish upto a distance of 50m outside the periphery of the area cleared.	160.00	Sq.m	5.30	848.32
	Total of Part-I				₹ 3,77,109.41

S. No	Description	Qty	Unit	Rate in Rs	Amount (Rs)
	Part-II-Sanitary Fittings				
1	Supply and fixing of new "Parry ware" make Indian Water Closet, Orissa pan of size 580 mm x 410 mm - Open rim (Code No. C0109) including PVC Slimline Dual Flush tank (Cistern) of size 475 mm x 318 mm (Code No. C8109) with all accessories like Parryware flush kit suitable for the above flush tank with all required accessories etc., complete. Colour: Silky Off - White.	2	Each	3465	6,930.00
2	Supply & fixing "Marc" make Oriental series brass stop cock with all accessories.	3	Each	806.19	2,418.57
3	Supply and fixing of new "Parry ware" make Elite - European water closet of size 530 mm x 400 mm, with "P/S" trap including PVC Slimline Dual flush tank (Cistern) of size 475 mm x 318 mm (Code No. C8109), EWC standard seat cover (Cat C8071) with all accessories like Parryware flush kit suitable to the above flush tank, brackets, screws, connecting pipe from flush tank to EWC, PVC Connections etc. complete. Colour: Silky Off - White.	1	Each	2310	2,310.00
4	Supply & fixing "Marc" make Oreintal series brass bib cocks, with all accessories / Cat: MOR 1030.	4	Each	584.43	2,337.72
5	Supply and fixing of "Jaquar (Allied)" Make Health Faucet with 8 mm dia. 1 M long Flexible tube and wall hook Cat no. 573.	1	Each	1530.375	1,530.38
6	Supplying and fixing P trap 1st quality ISI marked conforming to IS: 1729 - 1979 with C.P Grating fixing with white cement as per site requirements with standard practice - 100 mm dia (4") .	2	Each	591.36	1,182.72
7	Supply and fixing of new urinary pans, "Parry ware" make, ceramic, Model (Cat 0575)- "New Magnum Urinal" (590 mm x 400 mm) along with all accessories, C.P spreader brackets etc., along with partition for Magnum Urinal ceramic, 'Z' type brackets to be screwed to the wall at the bottom. Colour - Silky Off - White	3	Each	4542.615	13,627.85
8	Supply & fixing "Jaquar" make urinal flushing valves for urinal pots in all accessories/Cat: 1077.	3	One Each	1524.6	4,573.80
9	Supply and fixing with "Parry ware" make Cascade pedestal ceramic wash hand basin of size 550 mm x 440 mm and pedestal size 705 mm height, with centre tap hole with all accessories like brackets, screws, PVC connections etc. complete. Colour: Silky Off - White.	2	Each	3465	6,930.00
10	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.	4	Each	103.785	415.14
11	Supply & fixing "Jaquar" make Pressmatic pillar cock for wash basins, with all accessories. (Cat: 031)	2	Each	599.445	1,198.89
12	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.	6	Each	231	1,386.00
13	Supplying and fixing plain PVC pipe of 110 mm dia (4"dia) of 6 kg's/cm2 of approved quality with specials, accessories and approved sealing /jointing compound on the exterior of the inserted portion of the fitting and fixing in position and joing to MS gutters , including cost of all materials ,sealing compound ,labour etc., for all heights complete.	40.00	RM	395.582	15,823.28

S. No	Description	Qty	Unit	Rate in Rs	Amount (Rs)
14	Supply & fixing in position PVC Pipes of 3" (75mm) dia of 4 Kg/cm ² and best quality for drainage lines / urinal / hand wash areas including chasing the brick wall, concrete etc and making good the same after fixing the same etc. complete.	35.00	RM	183.7	6,429.50
15	Supply & fixing in position PVC Pipes of 2" (50 mm) dia of 4 Kg/cm ² and best quality for drainage lines / urinal / hand wash areas including chasing the brick wall, concrete etc and making good the same after fixing the same etc. complete.	30.00	RM	143	4,290.00
16	Supplying ,laying ,jointing and testing 152.4 mm (6") SWG pipes of ISI make conforming to ISI 651 & 4127 with airtight cement joints in Cement mortar 1:5:1 prop. including excavation of trenches and socket pits in any soil(except rock requiring blasting) up to 1524 mm(5'.0") depth and refilling with watering and tamping.	80.00	RM	607.53	48,602.40
17	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.	40.00	RM	151.305	6,052.20
18	.. Do... 20mm dia (3/4")	40	RM	168.63	6,745.20
19	.. Do... 25mm dia (1")	50	RM	220.605	11,030.25
20	Supply & fixing of Gunmetal Gate (GM peet) valve as per IS -778 class-I, Indian make heavy type 15 mm (1/2") dia NB size.	1	Each	450.45	450.45
21	.. Do .. 20mm dia (3/4")	1	Each	593.67	593.67
22	.. .do ...25mm dia (1")	1	Each	852.39	852.39
23	Construction of brick masonry chamber of size 23 x 30 Cm (9" x 12") in brick work in CM 1:6 and plastering in CM 1:4, 20 mm for gully trap 150 mmx100mm including cost of excavation, PCC 1:4:8, 75 mm thick, all materials, labour etc., complete.	2	Each	353.1	706.20
24	Supply & fixing of stainless steel liquid soap dispenser of 500ml capacity.	1	Each	669.9	669.90
25	Supply & fixing of stainless steel towel holder of size 4 X 2.5 X 7 inches.	2	Each	436.7	873.40
26	Supply & fixing of 6 mm thick mirror of approved quality "Modi float/Saintgobin glass", with 6 mm thick hard board back and with best quality teak wood frame (design beading) all round the mirror including necessary clamps, polishing to the beading, cost of all materials etc. complete.	1.20	Sq.m	1668.975	2,002.77
27	Constructing brick masonry circular manhole 1.22 m internal dia at bottom and 0.56 m dia at top in cement mortar 1:4 (1 cement : 4 coarse sand) inside cement plaster 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement foundation concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) and making necessary channel in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement, all complete as per standard design :1.68 m deep with SFRC Cover and frame (heavy duty HD-20 grade designation) 560 mm internal diameter conforming to I.S. 12592, total weight of cover and frame to be not less than 182 kg. fixed in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) including centering,shuttering all complete. Excavation, foot rests and 12 mm thick cement plaster at the external surface shall be paid for separately .	2	Each	12895.3	25,790.60

S. No	Description	Qty	Unit	Rate in Rs	Amount (Rs)
28	Providing and placing on terrace (at all floor levels) of polyethylene water storage tank of 1000 ltrs capacity with double layer approved brand and manufacture as per ISI 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).	1	Each	6930	6,930.00
	TOTAL PART II				₹ 1,82,683.27
	Part III-Electrical				
1	Supply, Erection and Testing of 230V ,12" dia(305mm), 50W, 900rpm, 1200cu.M/hr, Heavy duty Exhaust Fan. Make: USHA/GEC/CG/Almonard/Havells, complete unit, wall mounting.(The job involves making suitable holes in the wall inclusive of masonry work or by making suitable MS frame above +20 ft. approximately from ground level)	1	Nos.	3234.00	3,234.00
2	Supply, Assembly, Erection, Testing & Commissioning of 2x36W different types of Tube light fittings. The light fitting shall be fixed with suitable down rod, ball and socket etc and the supply of the material is in the contractor's scope. The job includes supply of 1.5sq.mm copper wire for connection between ceiling rose and TL.	4	Nos.	3257.10	13,028.40
3	Supply and fixing of 3pin, 250 V. 10 Amps socket cum switch with indication Roma type code 21113 and 21033 of Anchor make or North West. Fixed on suitable modular type concealed box top cover. Testing & commissioning etc., complete all as directed by engineer-in-charge.	7	Set	492.03	3,444.21
4	Supply and execute the concealed / surface PVC/MS Pipe wiring with 1.5 sq. mm 660 / 1100. V. Grad PVC insulated copper wire multi strand of make Finolex / Rediant / fincab/ Havells/ L&T. In PVC pipe of suitable dia (As per IS for wiring points) with 14 G/1.5sq.mm green colour copper wire for earth continuity. Supply & Fixing of three plate/pin ceiling rose of Roma modular type of Anchor or North West make for connecting each light / fan point. Each circuit should not have more than 7 points 700 watts etc., complete all as directed by engineer-in-charge.	10	Pts.	1284.36	12,843.60
5	Supply and fixing of 5 Amps 250 V. SP switches for control of light fitting and fans with Roma Type code : 21011 of Anchor or North West make . Fixed on a suitable modular type concealed box with suitable top cover. Testing & commissioning etc., complete all as directed by engineer-in-charge.	8	Nos.	315.32	2,522.52
	Total part III				₹ 35,072.73
	Total value of work part (I+II+III)				₹ 5,94,865.41
Note:					
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 months . The security deposit will be released after satisfactory completion of the work and after getting I.R clearance and payment of final bill.				

S. No	Description	Qty	Unit	Rate in Rs	Amount (Rs)
4	<p>Penalty terms:</p> <p>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 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) 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.</p> <p>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.</p>				
5	<p>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.</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>				
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., 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 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	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 stone dust is not permitted in any civil works.				
	GST CLAUSES				
	Following points to be complied with :				
16	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.				
17	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.				
18	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.				
19	Vendor to ensure correct applicability of IGST/CGST/SGST/UTGST based on the Inter /Intra state movement Supply of goods and services or both.				
20	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.				
21	Vendor shall note that the Invoice has to be raised quoting HSN Code of Goods or Accounting Code of Services or both wherever applicable.				
22	Invoice should mention BHEL-HPEP-HYDERABAD GSTIN: 36AAACB4146P1ZG or GSTIN of BHEL Nodal Agency as mentioned in PO.				

S. No	Description	Qty	Unit	Rate in Rs	Amount (Rs)
23	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.				
24	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.				
25	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.				
26	A declaration to the effect that all tax liability as per GST rules and regulations shall be discharged.				

Tender %	In figure	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 on par with estimated value in figures and words. Bidders are requested to fill only one row.
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