



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

SCHEDULE- A

Tender Notice No:

HY/FCD/OT-07/2014-15, Dt: 25.04.2014

PRICE BID

Item no.:3

Name of work: Maintenance of internal water supply and sanitary fittings in Factory & Admn.Building area.

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
1	Labour charges for removing the following broken items and replacing them with new ones which will be issued free of cost at BHEL stores including necessary repairs. The rate quoted shall include cost of fixing of necessary accessories like PVC/Alkathyne/lead pipe of suitable sizes, brackets etc.				
a	.. do.. Wash hand basins of size 22" x 16"	10.00	Each	320.00	3,200.00
b	.. do.. Porcelain sinks	10.00	Each	320.00	3,200.00
c	.. do.. Indian water closets-23"-size	10.00	Each	256.00	2,560.00
d	.. do.. European water closets.	10.00	Each	224.00	2,240.00
e	.. do.. Flat back Indian type urinals	25.00	Each	128.00	3,200.00
f	.. do.. Porcelain low down flush tanks of 3 gallons Capacity.	10.00	Each	448.00	4,480.00
2a	Supplying ,laying ,jointing and testing 101.6 mm (4") 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 anysoil(except rock requiring blasting) up to 1524 mm(5'.0") depth and refilling with watering and tamping.	200.00	One RM	390.00	78,000.00
b	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 anysoil(except rock requiring blasting) up to 1524 mm(5'.0") depth and refilling with watering and tamping.	200.00	One RM	526.00	1,05,200.00
c	Supplying ,laying ,jointing and testing 254 mm (10") 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 anysoil(except rock requiring blasting) up to 1524 mm(5'.0") depth and refilling with watering and tamping.	50.00	One RM	983.00	49,150.00

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
3	Construction of brick masonry chamber of dimension 0.914 x 0.457 x 0.914 m (3' x 1'6" x 3') with brick in CM 1:6 including plastering over both sides with CM 1:4, 20 mm thick and fitted with light weight CI frame and cover of size 0.914 x 0.457 m in CM 1:4 including bed concrete of CC 1:4:8 and channeling with 1:2:4 of 15cm thick as required, including earth work excavation in all soils, refilling around the chamber removing the surplus earth etc. complete as directed.CI frame and cover of 40 kgs, including channeling.	10.00	Each	5,485.40	54,854.00
4	Construction of brick masonry chamber of dimension 0.457 x 0.457 x 0.914 m (1'6" x 1'6" x 3') with brick in CM 1:6 including plastering over both sides with CM 1:4, 20 mm thick and fitted with light weight CI frame and cover of size 0.914 x 0.457 m in CM 1:4 including bed concrete of CC 1:4:8 and channelling with 1:2:4 of 15 cm thick as required, including earth work excavation in all soils, refilling around the chamber removing the surplus earth etc. complete as directed.CI frame and cover of 20 kgs.	10.00	Each	3,602.00	36,020.00
5	Providing and fixing PVC waste pipe of sink or wash basin including PVC waste fittings complete.	300.00	Each	46.80	14,040.00
6a	Providing and fixing Chlorinated Polyvinyl chloride (CPVC) pipes, having thermal stability for Hot & cold water supply including all CPVC plain & Brass threaded fittings this includes jointing of pies, & fittings with one step CPVC solvent cement, trenching , refilling & testing of joints complete as per direction of Engineer-in-charge. ---- 15 mm nominal outer dia pipes.	150.00	Metre	92.60	13,890.00
b	-----Do-----20 mm nominal outer dia pipes.	150.00	Metre	107.70	16,155.00
7	Demolishing brick work manually / by mechanically means including stacking of serviceable material and disposing off unserviceable materials within 50 meters lead as per directions of Engineer-in-charge. - in cement mortar.	10.00	Cu.M	355.88	3,558.80
8	Dismantling reinforced cement concrete / plain cement concrete and disposing of debries upto to a lead of 2 KM including loading, unloading and spreading as directed by Engineer-in-charge etc., complete.	5.00	Cu.m	582.68	2,913.40
9	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. The cement will be issued free of cost by BHEL at BHEL stores.	10.00	Cu.M	2,104.00	21,040.00
10	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 (machine foundations) 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.	5.00	Cu.M	1,641.30	8,206.50
11	Removing the existing partition and supply and fixing of magum urinal partition with all accessories. Make : Parryware.	20.00	Each	2,796.00	55,920.00

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
12	Providing and Fixing 30 mm thick "Rajsri" or equivalent brand factory made both side prelam solid panel PVC door shutter consisting of frame made out of MS tubes of 19 gauge thickness and size of 19mm X19mm for stiles, top and bottom rails. MS frame shall have a coat of steel , primers of approved make and manufacture . MS frame covered with 5mm thick heat moulded "Rajsri" prelam pac 'c' channel of size 30mm thickness, 70mm width out of which 50mm shall be flat and 20 mm shall be tapered in 450 angle on either side forming stiles, and mm thick, 95 mm wide Rajsri prelam pac sheet out of which 75mm shall be flat and 20mm shall be tapered in 450 on the inner side to form top and bottom rail 115 mm wide Rajsri prelam pac sheet out of which 75mm shall be flat and 20mm shall be tapered on both sides to form lock rail. top , bottom and lock rail shall be provided either side of the panel. 10mm (5mmX2) thick, 20mm wide cross Pac sheet shall be provided as gap insert for top and bottom rail. Panelling of 5 mm thick both side prelam pac sheet to be fitted in the MS frame welded /sealed to the stiles & rails with 7mm (5mm +2mm) thick X15 mm wide solvent cement adhesive etc. an additional 5mm thick Pac strip of 20mm width is to be stuck on the interior side of the 'c' channel using Pac solvent cement adhesive etc. complete as per direction of Engineer-in-charge, manufacture specification and drawing.	10.00	Sq.m	2,700.00	27,000.00
13	Attending in routine water supply and sanitary complaints like controlling overflow of storage tanks, repair & replacement of ball cocks, taps, pillar cocks, flush tanks, AC/CI pipe joints, giving water connections to wash basins, sinks, repair of sensor based valves, laying /dismantling of GI lines upto 1 1/2" dia, complete including cost of labour, tools and tackles, safety equipments as directed. The materials like GI pipes, ball cocks, stop cocks, taps etc. will be issued by BHEL on free of cost at BHEL stores. (It is assessed that a minimum one skilled service and two semi-skilled services are required for carrying out the above job per day for one operation.)				
a	1 Skilled service is required for assisting the above job.	287.00	One Oper.	717.46	2,05,911.02
b	2 Semi skilled services required for assisting the above job.	287.00	One Oper.	1,326.02	3,80,567.74

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
14	Attending in routine plumbing complaints which are not susceptible for measurements for attending the complaints on manjeera water supply lines which are laid and commissioned recently throughout the factory blocks ,annexes/stores etc. in factory area for supply of drinking water for 24 hours continuously and also for cleaning of water storage tanks upto 2000 Ltrs capacity etc. in the all factory blocks (It is assessed that a minimum two Semi skilled service and two Un-skilled services are required for carrying out the above job per day for one operation.)				
a	1 Semi -Skilled service is required for assisting the above job.	287.00	One Oper.	663.01	1,90,283.87
b	1 Unskilled services required for assisting the above job.	287.00	One Oper.	609.77	1,75,003.99
	Total value of work			₹	14,56,594.32
Total : ₹ Fourteen lakhs fifty six thousand five hundred ninety four and thirty two paise only					

Note:

1	A penalty of 0.50 % of the gross value of work will be levied for every week's or part thereof delay in execution of work by the agency, subject to a maximum penalty of 10 % of gross value of the 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		