



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

SCHEDULE- A

Tender Notice No:

HY/FCD/OT-19/2012-13, Dt: 12.11.2012

PRICE BID

Item no.: 1

Name of work: Repairs to existing kitchen in 02 canteen (Civil Works) in BHEL Factory area.

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
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 bottom, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50M etc. complete as directed by Engineer-in-charge.	145.00	Cu.m	103.40	14,993.00
2	Providing and laying in position specified grade, of cement concrete excluding the cost of centering, shuttering, finishing - in flooring with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) etc. complete as directed by Engineer-in-charge.**	6.50	cu.m	1,585.00	10,302.50
3	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 - 300 mm dia R.C.C pipe etc. complete as directed by Engineer-in-charge.**	50.00	RM	338.75	16,937.50
4	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 etc. complete as directed by Engineer-in-charge.**	15.00	RM	254.00	3,810.00

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
5	Constructing Brick masonry circular type manhole 0.91 m internal dia at bottom and 0.56 m dia at top in cement plaster 12mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement, foundation concrete 1:3:6 mix (1 cement : 3 coarse sand:6 graded stone aggregate 40mm nominal size) and making necessary channel in cement concrete 1:2:4 (1 cement :2coarse sand : 4 graded stone aggregate 20mm nominal size) finished with a floating coat of neat cement all complete as per standard design. - 0.91 M deep with S.F.R.C cover and frame (heavy duty, HD-20 grade designation) 560mm internal diameter conforming to IS : 12592, total weight of cover and frame to be not less than 182 Kg; fixed in cement concrete 1:2:4 (1 cement :2coarse 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). - with ground moulded FPS Bricks class desig	3.00	Each	4,170.00	12,510.00
6	Brick work with ground moulded clay FPS brick of class designation 75 in super structure above plinth level upto floor five level in cement mortar 1:6 (1 cement : 6 Coarse sand) etc. complete as directed by Engineer-in-charge.**	6.00	Cu.M	2,104.00	12,624.00
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 etc. complete as directed by Engineer-in-charge.**	95.00	Sq.m	65.80	6,251.00
8	Plastering in CM 1:4, 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 etc. complete as directed by Engineer-in-charge.**	10.00	Sq.m	67.10	671.00
9.a	Supply & fixing of 18 mm thick best quality approved colour and design machine cut mirror polished granite slabs/Flamed granite slabs in required sizes for counter wash basins, floorings, vanity counter, claddings, facias etc. over a base of CM 1:4 20 mm thick or above as per site requirement. 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 etc. complete as directed by Engineer-in-charge.**	325.00	sq.m	2,489.00	8,08,925.00
b	Polished granite tile work for wall lining over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand) and cement slurry @ 3.3 kg/sqm including pointing in white cement etc. complete as directed by Engineer-in-charge.**	120.00	sq.m	1,064.20	1,27,704.00

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
10	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 jointing with grey cement slurry @ 3.3 Kg per Sq.m including pointing in white cement mixed with pigment of matching shade etc. complete as directed by Engineer-in-charge.**	15.00	One Sq.m	556.60	8,349.00
11a	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 as directed by Engineer-in-charge.	30.00	RM	131.00	3,930.00
(b)	.. Do... 20mm dia (3/4")	30.00	RM	146.00	4,380.00
(c)	.. Do... 25mm dia (1")	20.00	RM	191.00	3,820.00
12	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 Slim line Dual Flush tank (Cistern) of size 475 mm x 318 mm (Code No. C8109) with all accessories like Parry ware flush kit suitable for the above flush tank with all required accessories etc., complete. Colour: Silky Off - White etc. complete as directed by Engineer-in-charge.	2.00	Each	3,000.00	6,000.00
13	Supply & fixing of new urinary pans "Parryware" make, Ceramic, Model (Cat 0575) "New Magnum Urinal" (600 x 400 mm) along with all accessories, CP spreader, brackets etc. regular in colour (light Ivory) along with partition for Magnum Urinal ceramic, 'Z' type brackets to be screwed to the wall at the bottom size 810 x 390 mm in regular colour (light Ivory), (Cat 0571) etc. complete as directed by Engineer-in-charge.	2.00	Each	3,933.00	7,866.00
14	Supply & fixing "Jaquar" make Pressmatic urinal flush valve for urinal pots (Cat. No. 51027) with all accessories etc. complete as directed by Engineer-in-charge.	2.00	Each	1,320.00	2,640.00
15	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 center tap hole with all accessories like brackets, screws, PVC connections etc. complete. Colour: Silky Off - White etc. complete as directed by Engineer-in-charge.	2.00	Each	3,000.00	6,000.00
16	Supply & fixing "Marc" make oyster series brass bib cocks. With all accessories / Cat: MOY 1030 etc. complete as directed by Engineer-in-charge.	8.00	Each	506.00	4,048.00
17	Supply & fixing CP angle cock for wash basins, with all accessories etc. complete as directed by Engineer-in-charge.	2.00	Each	220.00	440.00

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
18	Supply & fixing "Jaquar" make Pressmatic pillar cock for wash basins, with all accessories. (Cat: 031) etc. complete as directed by Engineer-in-charge.	2.00	Each	519.00	1,038.00
19	Supply & fixing 12.7 mm PVC connection with brass union nut CP coated etc. complete as directed by Engineer-in-charge.	10.00	Each	67.00	670.00
20	Supply & fixing PVC outlet pipe of dia 38 mm , with all accessories etc. complete as directed by Engineer-in-charge.	2.00	Each	60.00	120.00
21	Applying two 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 etc. complete as directed by Engineer-in-charge. (Only OBD, OBD Primer Paint will be supplied by BHEL)	900.00	Sq.m	29.00	26,100.00
22	Applying two coat of synthetic enamel paint of given shade over a coat of primer to new wood work including scraping the surfaces, cost of all labour, tools and other incidentals etc. complete as directed by Engineer-in-charge.	310.00	Sq.m	20.00	6,200.00
23	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 etc. complete as directed by Engineer-in-charge.	70.00	Cu.M	45.70	3,199.00
24	Conveyance of excavated spoil up to a lead of 2 Kms, including loading, unloading and spreading etc. complete as directed by Engineer- in- charge.	75.00	Cu.M	56.41	4,230.75
25	Dismantling of tile work in floor laid in cement mortar including stacking of material and within 50 m lead for thickness of tiles 10 mm to 25 mm etc. complete as directed by Engineer-in-charge.	270.00	sqm	10.90	2,943.00
26	Dismantling of old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 m lead etc. complete as directed by Engineer-in-charge.	150.00	sqm	8.20	1,230.00
27	Dismantling doors, windows including chowkhats, architrave, holdfasts etc;complete and handing over the same to the BHEL stores as directed by Engineer-in-charge.	28.00	Sq.m	75.35	2,109.80

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
28	Supply and fixing of top fixed, side hung of NCL Seccolor Ajantha windows & Ventilators fabricated from Roll formed section made of pre painted steel (Base steel as per IS 513 of 0.6 mm thick, 'D' quality, galvanized as per IS 277 with zinc 120 GSM / Sq. Mtr). Section for shutter should be of 46 x 46 mm, external frame should be of 46 x 52 mm, section for glass beading should be of 18 x 25 mm & center mullion should be 46 x 70 mm. The sections to be cut to length, meter joined with corner bracket. Centre mullions are to be fixed using mullion cap. Handle made of high grade aluminium powder coated & with nylon receiver & glazed with 5 mm thick, Modi/Saint Gobain float glass. Gasket made of E.P.D.M. Corner brackets made of C.R.C.A with zinc phosphating. Million caps made of glass filled nylon. The above frames should be fixed to the concrete / masonry walls by means of self expanding screws. Approximate size of windows 1.30mx0.9m and 3.00mx2.10m -Double shutter without guard bars(grills)... Excise duty/VAT inclusive .Service tax extra as applicable. Make: NCL Ajanta/ Shakti/Finesta etc. complete as directed by Engineer-in-charge.	23.00	Sq.m	4,046.00	93,058.00
29	Providing and fixing shutters along with frames for toilets that are 30 mm thick factory made PVC rigid foam paneled, door and shutters manufactured by M/s. Rajashri made from M.S. tube, 19 gauge thick, size 19x19mm for styles and 15x15mm for top and bottom rails, covered with heat moulded PVC "C" channel of 5mm thick sheet and 30x50mm wide for styles and 5mm thick and 75mm wide PVC sheets for top rail and bottom rail either side and 5 mm thick, 20mm wide cross PVC sheet as gap insert for top rail and bottom rail, paneling of 5mm thick PVC sheet fitted with M.S. frame welded / sealed to the styles and rails with 5x30mm PVC sheet beading on either side and joined together with solvent cement adhesive etc. complete in all respects as per direction of engineer in-charge fixed to frames. This includes providing brass hinges, brass aldrops, brass tower bolts, brass handles and brass door stoppers (For W.C. and bathroom doors) etc. complete as directed by Engineer-in-charge.	7.00	Sq.m	1,830.00	12,810.00
30	Dismantling brick masonry walls for all heights, removing and clearing the debris and carting away upto a 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 as directed by Engineer-in-charge.	12.00	Cu.m	355.88	4,270.56

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
31	Dismantling reinforced cement concrete / plain cement concrete and disposing of debris upto to a lead of 2 KM including loading, unloading and spreading etc. complete as directed by Engineer-in-charge.	4.00	Cu.m	582.68	2,330.72
	Total			₹	12,22,510.83
	Add increase in Vat 1% over the material cost (70% of contractor scope)			₹	8,557.58
	Total value of work			₹	12,31,068.41
Total : ₹ Twelve lakhs thirty one thousand sixty eight and forty one paise only					

Note: **Cement will be issue by BHEL on free of cost at BHEL stores.

1	A penalty of 0.5% of the gross value of work will be levied for every week's delay of work or part there of subject to a maximum penalty of 10% of the gross value of work executed after the period of completion.
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		

Name of the Contractor :

Signature of the Contractor