



BHARAT HEAVY ELECTRICALS LIMITED

BOILER AUXILIARIES PLANT

RANIPET - 632406

PRICE BID

1 of 30

ESTIMATE REF NO : CF/C/12/48

NAME OF WORK : COMPLETION OF CIVIL WORKS IN TYPE D-12 UNITS ALONG WITH SERVANT QUARTERS AND GARRAGES IN BHEL TOWNSHIP

CPWD 2012 REF	SLNO	DESCRIPTION	QTY	UNIT	RATE RS P	AMOUNT RS P
2.1	001	Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including disposal of excavated earth upto 50 m and lift upto 1.5 m, disposed soil to be levelled and neatly dressed :				
2.1.1	001A	All kinds of soil	375.000	sqm	37.87	14201.25
5.16	002	Providing, hoisting and fixing up to floor five level precast reinforced cement concrete in shelves including setting in cement mortar 1:3 (1 cement : 3 coarse sand), cost of required centering, shuttering and finishing with neat cement punning on exposed surfaces but excluding the cost of reinforcement, with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size).	6.000	cum	7687.85	46127.10
5.18	003	Providing precast cement concrete Jali 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6mm nominal size) reinforced with 1.6 mm dia mild steel wire including centering and shuttering, roughening cleaning, fixing and finishing in cement mortar 1:3 (1 cement: 3 fine sand) etc. complete excluding plastering of the jambs, sills and soffits.				
5.18.1	003A	50 mm thick.	6.000	sqm	588.72	3532.32
2.8	004	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
2.8.1	004A	All kinds of soil.	4476.000	cum	130.80	585460.80
2.9	005	Excavation work by mechanical means (Hydraulic excavator)/ manual means in				

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					RS	P	RS	P
		foundation trenches or drains not exceeding 1.5m in width or 10 sqm on plan including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50m.						
2.9.1	005A	Ordinary rock	100.000	cum	212.00		21200.00	
2.9.2	005B	Hard rock (requiring blasting)	20.000	cum	378.80		7576.00	
2.9.3	005C	Hard rock (blasting prohibited)	20.000	cum	491.95		9839.00	
2.26	006	Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials.						
2.26.1	006A	All kinds of soil.	50.000	cum	34.60		1730.00	
2.26.2	006B	Ordinary or hard rock.	140.000	cum	62.00		8680.00	
2.25	007	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	350.000	cum	83.80		29330.00	
2.27	008	Supplying and filling in plinth with good river sand under floors including, watering, ramming consolidating and dressing complete.	84.000	cum	749.30		62941.20	
2.28	009	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50 m and lift upto 1.5 m.						
2.28.1	009A	All kinds of soil.	600.000	sqm	9.35		5610.00	
2.31	010	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 50 m outside the	2320.000	sqm	4.82		11182.40	

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					RS	P	RS	P
		periphery of the area cleared.						
2.32	011	Clearing grass and removal of the rubbish upto a distance of 50 m outside the periphery of the area cleared.	2320.000	sqm	2.47		5730.40	
2.33	012	Felling trees of the girth (measured at a height of 1 m above ground level) including cutting of trunks and branches removing the roots and stacking of serviceable material and disposal of unserviceable material.						
2.33.1	012A	Beyond 30 cm girth upto and including 60 cm girth	10.000	each	148.20		1482.00	
2.33.2	012B	Beyond 60 cm girth upto and including 120 cm girth	10.000	each	654.95		6549.50	
2.33.3	012C	Beyond 120 cm girth upto and including 240 cm girth	2.000	each	3026.30		6052.60	
2.34	013	Supplying chemical emulsion in sealed containers including delivery as specified.						
2.34.1	013A	Chlorpyrifos/ Lindane emulsifiable concentrate of 20%	120.000	litre	185.95		22314.00	
DATA	014 #	Diluting and injecting chemical emulsion (to be supplied free of cost at site of work) for PRE-constructional anti-termite treatment and creating a continuous barrier under and around the column pits, wall trenches, basement excavation, top surface of plinth filling, injection of walls and floor along the external perimeter of building expansion joints, over the top surface of consolidated earth of which apron is to be laid, surroundings of pipes and conduits etc. complete as per specification. (Plinth area of building at ground floor only shall be measured for payment).	1500.000	SQM	87.40		131100.00	
4.1	015	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :						

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CPWD 2012 REF	SLNO	DESCRIPTION	QTY	UNIT	RATE		AMOUNT
					RS	P	RS
4.1.3	015A	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	15.000	cum	2674.05		40110.75
4.1.9	015B	1:4:8 (1 cement : 4 fine sand : 8 graded stone aggregate 40 mm nominal size)	18.500	cum	2353.75		43544.38
4.1.10	015C	1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size)	225.000	cum	2609.90		587227.50
4.5	016	Providing and fixing up to floor five level precast cement concrete string or lacing courses, copings, bed plates, anchor blocks, plain window sills, shelves, louvers, steps, stair cases, etc. including hoisting and setting in position with cement mortar 1:3 (1 Cement : 3 coarse sand), cost of required centering complete.					
4.5.2	016A	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size).	1.000	cum	3303.10		3303.10
4.11	017	Providing and laying damp-proof course 50mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size).	102.000	sqm	162.70		16595.40
4.12	018	Extra for providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification. (UNIT : per 50 kg cement)	300.000	per 50 kg	35	35	

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NAME OF WORK : COMPLETION OF CIVIL WORKS IN TYPE D-12 UNITS ALONG WITH SERVANT QUARTERS AND GARRAGES IN BHEL TOWNSHIP

CPWD 2012 REF	SLNO	DESCRIPTION	QTY	UNIT	RATE		AMOUNT	
					RS	P	RS	P
						10605.00		
5.9	019	FORM WORK Centering and shuttering including strutting, propping etc. and removal of form for :						
5.9.1	019A	Foundations, footings, bases of columns, etc. for mass concrete.	29.000	sqm	166.90		4840.10	
5.9.3	019B	Suspended floors, roofs, landings, balconies and access platform.	2400.000	sqm	311.20		746880.00	
5.9.7	019C	Stairs, (excluding landings) except spiral-staircases.	110.000	sqm	326.30		35893.00	
5.9.5	019D	Lintels, beams, plinth beams, girders, bressumers and cantilevers.	110.000	sqm	262.25		28847.50	
5.9.6	019E	Columns, Pillars, Piers, Abutments, Posts and Struts.	110.000	sqm	365.60		40216.00	
5.9.15	019F	Small lintels not exceeding 1.5m clear span, moulding as in cornices, window sills, string courses, bands, copings, bed plates, anchor blocks and the like.	342.000	sqm	166.90		57079.80	
5.9.19	019G	Weather shade, Chajjas, corbels etc., including edges.	251.000	sqm	411.10		103186.10	
5.17	020	Providing, hoisting and fixing up to floor five level precast reinforced cement concrete in vertical & horizontal fins individually or forming box louvers setting in cement mortar 1:2 (1 cement : 2 coarse sand) including the cost of required centering, shuttering but excluding the cost of reinforcement, with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	4.000	cum	3390.50		13562.00	
5.22	021	STEEL REINFORCEMENT Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.						
5.22.3	021A	Cold twisted bars	41520.000	kg	10.50		435960.00	
5.33	022	DESIGN MIX CONCRETE Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete		cum				

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CPWD 2012 REF	SLNO	DESCRIPTION	QTY	UNIT	RATE RS P	AMOUNT RS P
		for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. (Note :- Cement content considered in this item is @ 330 kg/cum. Excess/less cement used as per design mix is payable/recoverable separately).				
5.33.1	022A	All works upto plinth level.	10.000	cum	3344.65	33446.50
5.33.2	022B	All work above plinth level upto floor level	102.000	cum	3884.00	396168.00
5.37	023	Providing and laying in position ready mixed M-25 grade concrete for reinforced cement concrete work, using cement content as per approved design mix, manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of R.M.C. from transit mixer to site of laying , excluding the cost of centering, shuttering finishing and reinforcement including cost of admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge. (Note :- Cement content considered in this item is @ 330 kg/cum. Excess/less cement used as per design mix is payable/recoverable separately).		cum		.00

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CPWD 2012 REF	SLNO	DESCRIPTION	QTY	UNIT	RATE		AMOUNT	
					RS	P	RS	P
5.37.2	023A	All work above plinth level upto floor level	240.000	cum	6130.00		1471200.00	
6.1	024	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:						
6.1.2	024A	Cement mortar 1:6 (1 cement : 6 coarse sand)	66.000	cum	2957.18		195173.55	
6.4	025	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :						
6.4.2	025A	Cement mortar 1:6 (1 cement : 6 coarse sand)	813.000	cum	3516.78		2859138.08	
6.12	026	HALF BRICK MASONRY Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in.						
6.12.2	026A	cement mortar 1:4 (1 cement : 4 coarse sand)	120.000	sqm	355.77		42692.40	
6.13	027	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.					.00	
6.13.2	027A	Cement mortar 1:4 (1 cement :4 coarse sand)	600.000	sqm	415.67		249402.00	
7.1	028	Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20mm nominal size) upto plinth level with :						
7.1.1	028A	Cement mortar 1:6 (1 cement : 6 coarse sand)	135.000	cum	2584.83		348951.38	
8.2	029	Providing and fixing 18mm thick gang saw cut mirror polished premoulded and prepolished) machine cut for kitchen platforms, vanity counters, window sills , facias and similar locations of required size of approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1 cement : 4 coarse sand) with joints treated						

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CPWD 2012 REF	SLNO	DESCRIPTION	QTY	UNIT	RATE RS P	AMOUNT RS P
		with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels.				
8.2.2	029A	Granite of any colour and shade				
8.2.2.1	029A1	Area of slab upto 0.50 SQM	6.000	sqm	2988.71	17932.26
8.2.2.2	029A2	Area of slab over 0.50 SQM	30.000	sqm	3030.96	90928.80
9.1	030	FRAMES AND TRUSSES Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately).				.00
9.1.1	030A	Second class teak wood	4.100	cum	85813.30	351834.53
DATA	030B #	Australian vengai	5.750	CUM	107326.12	617125.19
9.6	031	Providing and fixing 35 mm thick factory made laminated veneer lumber door shutter conforming to IS : 14616 and TADS 15:2001 (Part B) including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws, all complete as per directions of Engineer-in-charge and panelling with panels of:				
9.6.1	031A	12mm thick plain grade - 1, medium density flat pressed three layer particle board FPT - I or graded wood particle board FPT & I, IS : 3087 marked, bonded with BWP type synthetic resin adhesive as per IS : 848 :	61.000	sqm	2300.75	140345.75
DATA	032 #	Supplying and fixing of UPVC windows (single / double leaf shutter)/Fixed louvered Ventilators. The profiles are hollow, multi-chambered and steel reinforced with an outer wall thickness of 2.5mm. The window unit is designed with all corners,	273.000	SQM	5203.00	1420419.00

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CPWD 2012 REF	SLNO	DESCRIPTION	QTY	UNIT	RATE		AMOUNT	
					RS	P	RS	P
		transom/mullion joints mitred and fusion welded. The outer frame should hold appropriate EPDM gaskets. The entire window is steel reinforced. The window unit should be designed such that water drainage does not pass through the reinforcement chamber and the unit is free from sharp edges and blurs, including providing and fixing all accessories confirming to IS standard like stainless steel friction hinges, Handles of powder coated or polyurethane coated with Single Glazing glass of 5mm thick (pin headed). Installation of frames to be carried with suitable Anchor Fastners & Proper Silicone Sealing works to be carried out in exterior & Intereior Crevices.OPENABLE WINDOWS						
9.40	033	Providing and fixing wooden moulded beading to door and window frames with iron screws, plugs and priming coat on unexposed surface etc. complete :						
9.40.1	033A	2nd class teak wood						
9.40.1.1	033A1	50x12 mm	500.000	metre	98.40		49200.00	
9.48	034	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.						
9.48.2	034A	Fixed to openings /wooden frames with rawl plugs screws etc.	7320.000	kg	98.20		718824.00	
9.96	035	Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with nuts and screws etc. complete :						
9.96.2	035A	250x16 mm	168.000	each	168.95		28383.60	
9.97	036	Providing and fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to						

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		required colour or shade with necessary screws etc. complete :				
9.97.3	036A	200x10 mm	120.000	each	71.05	8526.00
9.97.5	036B	100x10 mm	156.000	each	46.25	7215.00
9.100	037	Providing and fixing aluminium handles ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete :				.00
9.100.2	037A	100 mm	120.000	each	49.55	5946.00
9.100.3	037B	75 mm	744.000	each	41.90	31173.60
L.S.	038	Nylon buffer for doors and windows	672.000	EACH	14.90	10012.80
L.S.	039	Hook & eye 150mm x 3mm each	672.000	EACH	14.90	10012.80
9.79	040	Providing and fixing special quality bright finished brass cupboard or ward robe locks with four levers including necessary screws etc. complete (best make of approved quality) :				
9.79.4	040A	75 mm	36.000	each	176.10	6339.60
9.21	041	Providing and fixing ISI marked flush door shutters conforming to IS: 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters :				
9.21.3	041A	25mm thick (for cupboard) including ISI marked nickel plated bright finished M.S. piano hinges with necessary screws.	96.000	sqm	1266.75	121608.00
9.46	042	Providing and fixing curtain rods of 1.25 mm thick chromium plated brass plate, with two chromium plated brass brackets fixed with C.P. brass screws and wooden plugs, etc., wherever necessary complete :				

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					RS	P	RS	P
9.46.2	042A	20 mm dia.	60.000	metre	324.39		19463.55	
DATA	043 #	Providing and laying weathering course on top of roof slab with brick jelly of size 20mm and pure lime (no sand) in the proportion of 32:12.5 to an average thickness of 75mm concrete well beaten with wooden battens so as to secure a minimum slope of 1 in 48 and top finished with two layer of pressed tiles of size 25 cm x 25cm x 1.2 cm set in cement mortar 1:3 mixed with crude oil at 10% by weight of cement and pointing with the same oiled mortar etc. complete as per standard specifications. Cement only will be issued free of cost at BHEL stores.	1600.000	SQM	1042.89		1668624.00	
9.53	044	Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with 10 mm diameter bolts, nuts and wooden plugs and embedding in cement concrete block 30x10x15cm 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size)	600.000	each	90.43		54255.00	
11.36	045	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (thickness to be specified by the manufacturer) 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 12 mm thick bed of cement Mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	780.000	sqm	652.84		509211.30	
11.37	046	Providing and laying Ceramic glazed floor tiles 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown,	1650.000	sqm	693.14		1143672.75	

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					RS	P	RS	P
		laid on 20 mm thick Cement Mortar 1:4 (1 Cement : 4 Coarse sand) including pointing the joints with white cement and matching pigment etc., complete.						
12.41	047	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.(i) Single socketed pipes.						
12.41.1	047A	75 mm diameter	150.000	metre	124.90		18735.00	
12.41.2	047B	110 mm diameter	360.000	metre	206.90		74484.00	
12.42	048	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.						
12.42.1	048A	Coupler						
12.42.1.1	048A1	75 mm	20.000	each	97.60		1952.00	
12.42.1.2	048A2	110 mm	20.000	each	130.25		2605.00	
12.42.5	048B	Bend 87.5°						
12.42.5.1	048B1	75 mm bend	36.000	each	104.55		3763.80	
12.42.5.2	048B2	110 mm bend	36.000	each	156.95		5650.20	
12.42.6	048C	Shoe (Plain)						
12.42.6.1	048C1	75 mm Shoe	24.000	each	163.80		3931.20	
12.42.6.2	048C2	110 mm Shoe	24.000	each	287.05		6889.20	
12.42.3	048D	Single tee with door						
12.42.3.1	048D1	75x75x75 mm	48.000	each	207.95		9981.60	

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CPWD 2012 REF	SLNO	DESCRIPTION	QTY	UNIT	RATE		AMOUNT
					RS	P	RS
12.42.3.2	048D2	110x110x110 mm	48.000	each	302.05		14498.40
12.38	049	Providing and fixing M.S. holder bat clamps of approved design to C.I. or S.C.I. rain water pipes embedded in and including cement concrete blocks 10x10x10cm of 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and cost of cutting holes and making good the walls etc. :					
12.38.1	049A	100 mm diameter	144.000	each	109.63		15786.72
13.1	050	CEMENT PLASTER (IN FINE SAND) 12 mm cement plaster of mix :					
13.1.2	050A	1:6 (1 cement: 6 fine sand)	5126.000	sqm	91.80		470566.80
13.2	051	15 mm cement plaster on the rough side of single or half brick wall of mix :					
13.2.1	051A	1:4 (1 cement: 4 fine sand)	1400.000	sqm	105.75		148043.00
13.2.2	051B	1:6 (1 cement: 6 fine sand)	4260.000	sqm	105.48		449323.50
13.16	052	6 mm cement plaster of mix :					
13.16.1	052A	1:3 (1 cement: 3 fine sand)	1980.000	sqm	79.90		158197.05
13.28	053	12 mm thick plain cement mortar bands in cement mortar 1:4 (1 cement: 4 fine sand) :					.00
13.28.3	053A	Raised Band	144.000	cm per mtr		2.55	

CONTRACTOR/ TENDERER

ACCEPTING OFFICER

**BHARAT HEAVY ELECTRICALS LIMITED**

BOILER AUXILIARIES PLANT

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PRICE BID

ESTIMATE REF NO : CF/C/12/48

NAME OF WORK : COMPLETION OF CIVIL WORKS IN TYPE D-12 UNITS ALONG WITH SERVANT QUARTERS AND GARRAGES IN BHEL TOWNSHIP

CPWD 2012 REF	SLNO	DESCRIPTION	QTY	UNIT	RATE		AMOUNT	
					RS	P	RS	P
						366.52		
13.41	054	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade						
13.41.1	054A	New work (two or more coats) over and including water thinnable priming coat with cement primer.	1680.000	sqm		66.70		112056.00
13.37	055	White washing with lime to give an even shade:						
13.37.1	055A	New work (three or more coats)	6600.000	sqm		11.75		77550.00
13.46	056	Finishing walls with Acrylic Smooth exterior paint of required shade :						
13.46.1	056A	New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm).	4800.000	sqm		67.50		324000.00
13.67	057	Varnishing with varnish of approved brand and manufacture:						.00
13.67.1	057A	Two or more coats of glue sizing with copal varnish over an under coat of flatting varnish.	200.000	sqm		80.60		16120.00
13.62	058	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade:						
13.62.1	058A	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture.	1160.000	sqm		78.80		91408.00
11.6	059	Cement plaster skirting (up to 30 cm height) with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement.						
11.6.1	059A	18 mm thick.	300.000	sqm		177.70		53310.00
11.16	060	Precast terrazo tiles 22mm thick with graded marble chips of size upto 12mm, laid in floors, and landings, jointed with neat cement slurry mixed with pigment to match the shade of the tiles including rubbing and polishing complete, on 20 mm thick bed of cement mortar 1:4 (1 cement :4 coarse sand) :						
11.16.1	060A	Light shade using white cement.	190.000	sqm		717.89		136398.63

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ESTIMATE REF NO : CF/C/12/48

NAME OF WORK : COMPLETION OF CIVIL WORKS IN TYPE D-12 UNITS ALONG WITH SERVANT QUARTERS AND GARRAGES IN BHEL TOWNSHIP

CPWD 2012 REF	SLNO	DESCRIPTION	QTY	UNIT	RATE		AMOUNT	
					RS	P	RS	P
13.50	061	Applying priming coat :						.00
13.50.1	061A	With ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood)	100.000	sqm	25.85			2585.00
13.3	062	20 mm cement plaster of mix :						
13.3.1	062A	1:4 (1 cement: 4 fine sand)	60.000	sqm	124.37			7462.05
13.33	063	Pointing on stone work with cement mortar 1:3 (1 cement: 3 fine sand) :						
13.33.1	063A	Flush/ Ruled pointing	240.000	sqm	105.07			25217.40
DATA	064 #	Supplying at site of work, carrying and fixing in position of granite kithcen sink of size 0.60 x 0.60 x 0.30 (2' x 2' x 1'). The front face of the sink to be semi polished and edges to be moulded (nosing), Providing one number of 32mm brass waste coupling with waste PVC waste pipe etc. complete. Rate to include cost of all materials labour charges and making good all damages, to the wall floor etc. complete. All as per standard specification and instructions of Engineer-in-charge. Cement for fixing will be issued free of cost at BHEL stores.	12.000	EACH	2499.87			29998.44
17.31	065	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	48.000	each	674.05			32354.40
9.7	066	Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25 mm to 40 mm thick :						
9.7.1	066A	Second class teak wood	60.000	sqm	1950.35			117021.00

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ESTIMATE REF NO : CF/C/12/48

NAME OF WORK : COMPLETION OF CIVIL WORKS IN TYPE D-12 UNITS ALONG WITH SERVANT QUARTERS AND GARRAGES IN BHEL TOWNSHIP

CPWD 2012 REF	SLNO	DESCRIPTION	QTY	UNIT	RATE		AMOUNT	
					RS	P	RS	P
9.7.7	066B	Float glass panes						
9.7.7.1	066B1	4 mm thick glass pane	60.000	sqm	919.25		55155.00	
17.33	067	Providing and fixing 600x120x5mm glass shelf with edges round off, supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc., complete.	48.000	each	314.25		15084.00	
18.8	068	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work including cutting chases and making good the walls etc.,						
18.8.2	068A	20 mm nominal outer dia .Pipes.	120.000	metre	237.99		28558.80	
DATA	069 #	Providing vertical drops, fins, facias etc., for an overall thickness of 75 mm with 1:2:4 cement concrete using 6 mm gauge granite stone chips for 50 mm thick innercore applied on chickenmesh and neatly plastered with cement mortar 1:4, 12 mm thick both faces, finishing, curing etc., complete. Rate to include cost of all materials and labour but excluding fabrication charges for reinforcement as per standard specifications. Cement & reinforcement steel alone will be issued free of cost at BHEL stores.	50.000	SQM	826.21		41310.50	
17.1	070	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100mm sand cast Iron P or S trap,						

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ESTIMATE REF NO : CF/C/12/48

NAME OF WORK : COMPLETION OF CIVIL WORKS IN TYPE D-12 UNITS ALONG WITH SERVANT QUARTERS AND GARRAGES IN BHEL TOWNSHIP

CPWD 2012 REF	SLNO	DESCRIPTION	QTY	UNIT	RATE		AMOUNT	
					RS	P	RS	P
		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 :						
17.1.1	070A	White Vitreous china Orissa pattern W.C. pan of size 580x440mm with integral type foot rests.	24.000	each	2935.35		70448.40	
DATA	071 #	Providing vertical drops, fins, facias etc., for an overall thickness of 50 mm with 1:2:4 cement concrete using 6 mm gauge granite stone chips for 25 mm thick innercore applied on chickenmesh and neatly plastered with cement mortar 1:4, 12 mm thick both faces, finishing, curing etc., complete. Rate to include cost of all materials and labour but excluding fabrication charges for reinforcement as per standard specifications. Cement & reinforcement steel alone will be issued free of cost at BHEL stores.	45.000	SQM	778.53		35033.85	
17.7	072	Providing and fixing wash 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 required :						
17.7.2	072A	White Vitreous China Wash basin size 630x450 mm with a single 15 mm C.P. brass pillar tap	48.000	each	1614.58		77499.60	
17.28	073	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.						
17.28.2	073A	Flexible pipe						
17.28.2.2	073A1	40 mm dia	60.000	each	67.60		4056.00	
18.15	074	BRASS FITTINGS Providing and fixing brass bib cock of approved quality :					.00	

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ESTIMATE REF NO : CF/C/12/48

NAME OF WORK : COMPLETION OF CIVIL WORKS IN TYPE D-12 UNITS ALONG WITH SERVANT QUARTERS AND GARRAGES IN BHEL TOWNSHIP

CPWD 2012 REF	SLNO	DESCRIPTION	QTY	UNIT	RATE		AMOUNT	
					RS	P	RS	P
18.15.1	074A	15 mm nominal bore	72.000	each	205.60		14803.20	
18.16	075	Providing and fixing brass stop cock of approved quality :						
18.16.1	075A	15 mm nominal bore	144.000	each	205.60		29606.40	
18.17	076	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :						
18.17.1	076A	25 mm nominal bore	48.000	each	372.95		17901.60	
18.22	077	Providing and fixing C.P. brass shower rose with 15 or 20 mm inlet :						
18.22.1	077A	100 mm diameter	48.000	each	58.15		2791.20	
18.7	078	C.P.V.C. PIPES Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work & Exposed on wall						.00
18.7.2	078A	20 mm nominal outer dia .Pipes.	840.000	metre	156.81		131716.20	
18.7.3	078B	25 mm nominal outer dia .Pipes.	600.000	metre	197.50		118498.50	
18.7.4	078C	32 mm nominal outer dia .Pipes.	24.000	metre	252.22		6053.25	
18.7.5	078D	40 mm nominal outer dia .Pipes.	12.000	metre	347.79		4173.48	
18.9	079	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 pipes & fittings with one step CPVC solvent cement ,trenching ,refilling & testing of joints complete as per direction of						

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ESTIMATE REF NO : CF/C/12/48

NAME OF WORK : COMPLETION OF CIVIL WORKS IN TYPE D-12 UNITS ALONG WITH SERVANT QUARTERS AND GARRAGES IN BHEL TOWNSHIP

CPWD 2012 REF	SLNO	DESCRIPTION	QTY	UNIT	RATE		AMOUNT	
					RS	P	RS	P
		Engineer in Charge.						
		External work						
18.9.3	079A	25 mm nominal outer dia .Pipes.	60.000	metre	185.15		11109.00	
19.1	080	STONE WARE PIPES AND FITTINGS 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 :						
19.1.1	080A	100mm diameter	100.000	metre	137.62		13762.00	
19.1.2	080B	150mm diameter	100.000	metre	200.48		20047.75	
*1.1.1A	081	Carriage of materials by mechanical transport including loading, unloading and stacking excavated earth, debris etc.		CUM				
1.1.2(I)	081A	0 - 1 KM	600.000	CUM	82.78		49668.00	
1.1.2(II)	081B	1 KM to 2 KM	120.000	CUM	93.94		11272.80	
1.1.2(III)	081C	2 KM -3 KM	120.000	CUM	104.98		12597.60	
1.1.2(IV)	081D	3 km - 4 Km	50.000	CUM	115.60		5780.00	
19.30	082	Constructing brick masonry chamber for underground C.I. inspection chamber and bends with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg), R.C.C. top slab with 1:2:4 mix (1 cement :2 coarse sand : 4 graded stone aggregate 20 mm nominal size) foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished smooth with a floating coat of neat cement on						

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ESTIMATE REF NO : CF/C/12/48

NAME OF WORK : COMPLETION OF CIVIL WORKS IN TYPE D-12 UNITS ALONG WITH SERVANT QUARTERS AND GARRAGES IN BHEL TOWNSHIP

CPWD 2012 REF	SLNO	DESCRIPTION	QTY	UNIT	RATE RS P	AMOUNT RS P
		walls and bed concrete etc. complete as per standard design :				
19.30.2	082A	Inside dimensions 500x700 mm and 45 cm deep for pipe line with one or two inlets :				.00
19.30.2.1	082A1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	48.000	each	3970.05	190562.40
19.4	083	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 :				
19.4.3	083A	180x150 mm size P type				
19.4.3.1	083A1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	78.000	each	1221.80	95300.40
17.2	084	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 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 :				
17.2.1	084A	W.C. pan with ISI marked white solid plastic seat and lid	24.000	each	2856.35	68552.40
9.21	085	Providing and fixing ISI marked flush door shutters conforming to IS: 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters :				
9.21.1	085A	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws.	195.000	sqm	1578.30	307768.50

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ESTIMATE REF NO : CF/C/12/48

NAME OF WORK : COMPLETION OF CIVIL WORKS IN TYPE D-12 UNITS ALONG WITH SERVANT QUARTERS AND GARRAGES IN BHEL TOWNSHIP

CPWD 2012 REF	SLNO	DESCRIPTION	QTY	UNIT	RATE		AMOUNT	
					RS	P	RS	P
9.141	086	Providing and fixing PVC Door Frame of size 50x47mm with a wall thickness of 5 mm (\pm 0.2 mm) made out of single piece extruded PVC profile, with mitred cut joints and joint with 2nos of PVC bracket of size 190 mm x 100 mm long arms of cross section size 35 x 15mm & self driven self tapping screws, the vertical door profiles to be reinforced with 40x20mm M.S. rectangular tube of 0.8 mm , including providing EPDM rubber gasket weather seal throughout the frame, including jointing 5mm PVC frame strip with PVC solvent cement on the back of the profile. The door frame to be fixed to the wall using 8 x100mm long anchor fasteners complete, all as per manufacturer's specification and direction of Engineer -in- charge.	240.000	metre	544.50		130680.00	
9.142	087	35 mm thick factory made Solid panel PVC Door shutter made out of single piece extruded solid PVC profiles, 5 mm (\pm 0.2mm) thick, having styles & rails (except lock rail) of size 95 mmx 35 mm x 5 mm, out of which 75 mm shall be flat and 20 mm shall be tapered (on both side), having one side thickness of 15 mm integrally extruded on the hinge side of the profile for better screw holding power, including reinforcing with MS tube of size 40 mm X 20 mm x 1 mm, joints of styles & rails to be mitred cut & joint with the help of PVC solvent cement, self driven self tapping screws & M.S. rectangular pipes bracket of size 190 mm X 100 mm of cross section size 35 mm x 17 mm x 1 mm at each corner. Single piece extruded 5mm thick solid PVC Lock rail of size 115 mm x 35 mm x 35 mm, out of which 95 mm to be flat and 20 mm to be tapered at both ends, having 15 mm solid core in middle of rail section integrally extruded, fixing the styles						

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ESTIMATE REF NO : CF/C/12/48

NAME OF WORK : COMPLETION OF CIVIL WORKS IN TYPE D-12 UNITS ALONG WITH SERVANT QUARTERS AND GARRAGES IN BHEL TOWNSHIP

CPWD 2012 REF	SLNO	DESCRIPTION	QTY	UNIT	RATE		AMOUNT	
					RS	P	RS	P
		& rails with the help of solvent and self driven self tapping screws of 125 mm x 11 mm, including providing 5 mm Single piece solid PVC extruded sheet inserted in the door as panel, all complete as per manufacturer's specification and direction of Engineer-in-charge.						
9.142.1	087A	Non decorative finish (matt finish).	132.550	sqm	2579.65		341932.61	
DATA	088 #	Providing, suplling and fixing in position of ferro cement water tank of singel compartment of 800 litres, capacity of inner dimension 1300mm x 900mm x 800mm in cement mortar 1:2, with 40mm thick bottom finished wall thickness, 32mm wall thickness sides alround, & 25mm thick pre-cast cover slab using 10G x 10G weld mesh & two layers of chickenmesh 28 gauge. Rate to include cost of weldmesh, chickenmesh, fabrication, casting, finishing, carrying and fixing in position, curing etc., complete and cost of 25mm dia G.i. inlet, outlet, scour, overflow pipes & air vent pipes including supplying and fixing of 1 No. of 25mm dia automatic float arrangement of approved make with all necessary fittings etc., labour & incidental etc. complete. All as per drawaings and standard specifications. The rate shall exclude cost of reinforcement & Cement which will be issued free of cost at BHEL Stores. (Ref. Drg. No. BHE-BAP-C-30-127/R1)	12.000	EACH	6958.17		83498.04	
9.42	089	Providing and fixing 18 mm thick, 150 mm wide pelmet of flat pressed 3 layer or graded wood particle board medium density grade I, IS : 3087 marked, including top cover of 6 mm commercial ply wood conforming to IS: 303 BWR grade, nickel plated M.S. pipe 20 mm dia (heavy type) curtain rod with nickel plated brackets, including fixing with 25x3 mm M.S. flat 10 cm	480.000	metre	298.45		143256.00	

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ESTIMATE REF NO : CF/C/12/48

NAME OF WORK : COMPLETION OF CIVIL WORKS IN TYPE D-12 UNITS ALONG WITH SERVANT QUARTERS AND GARRAGES IN BHEL TOWNSHIP

CPWD 2012 REF	SLNO	DESCRIPTION	QTY	UNIT	RATE		AMOUNT	
					RS	P	RS	P
		long fixed to pelmet with hollock wood cleats of size 100 mm x 40 mm x 40 mm on both inner side of pelmet and rawl plugs 75 mm long etc. all complete.						
10.25	090	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.						
10.25.2	090A	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	2400.000	kg	77.90		186960.00	
13.68	091	French spirit polishing :					.00	
13.68.1	091A	Two or more coats on new works including a coat of wood filler.	330.000	sqm	137.45		45358.50	
18.65	092	Providing and fixing PTMT soap Dish Holder having length of 138mm, breadth 102mm, height of 75mm with concealed fitting arrangements. Weighing not less than 106 gms.	36.000	each	151.10		5439.60	
17.73	093	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fitting arrangement of approved quality and colour.					.00	
17.73.2	093A	600mm long towel rail with total length of 645mm, width 78mm and effective height of 88mm, weighing not less than 190gms.	48.000	each	415.20		19929.60	
18.18	094	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :					.00	
18.18.3	094A	25 mm nominal bore	12.000	each	421.65		5059.80	
18.53	095	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					.00	
18.53.1	095A	15 mm nominal bore.	24.000	each	449.35		10784.40	
DATA	096 #	Supplying at site of work, carrying and fixing in position of cuddapah slab on both side polished 20/30 mm	270.000	SQM	400.65		108175.50	

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ESTIMATE REF NO : CF/C/12/48

NAME OF WORK : COMPLETION OF CIVIL WORKS IN TYPE D-12 UNITS ALONG WITH SERVANT QUARTERS AND GARRAGES IN BHEL TOWNSHIP

CPWD 2012 REF	SLNO	DESCRIPTION	QTY	UNIT	RATE RS P	AMOUNT RS P
		thick of required size for cupboards.				
DATA	097 #	Supplying and fixing of PVC Nahani single / Multi trap 100 x 75 mm with crating, all consumables including cost of cutting and making good of the walls and floors as per standard specification and instructions of Engineer - in-charge. Cement will be issued free of cost at BHEL stores.	120.000	EACH	473.62	56834.40
6.8	098	Brick work 7 cm thick with common burnt clay F.P.S. (non modular) brick of class designation 7.5 in cement mortar 1:3 (1 cement : 3 coarse sand) in superstructure above plinth level and upto floor five level.	80.000	sqm	318.93	25514.20
9.95	099	ANODISED ALUMINIUM FITTINGS (ALL FITTINGS SHALL BE ISI MARKED) Providing and fixing ISI marked aluminium butt hinges anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete:				
9.95.8	099A	75x45x3.2 mm	192.000	each	63.55	12201.60
9.98	100	Providing and fixing aluminium pull bolt lock anodised ISI marked (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade with necessary screws bolts, nut and washers etc. complete.	36.000	each	62.45	2248.20
9.51	101	Providing and fixing fly proof galvanized M.S. wire gauge to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia. 0.63 mm all complete.				
9.51.1	101A	With 2nd class teak wood beading 62X19 mm.	6.000	sqm	758.20	4549.20

Escalation is not applicable for this Item Sl. No.

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ESTIMATE REF NO : CF/C/12/48
 NAME OF WORK : COMPLETION OF CIVIL WORKS IN TYPE D-12 UNITS ALONG WITH SERVANT QUARTERS AND GARRAGES IN BHEL TOWNSHIP

TOTAL ESTIMATED VALUE BEFORE ESCALATION 20807502.03

**ESCALATION @ 5.00 % 830769.16

TOTAL ESTIMATED VALUE (A) 21638271.19

CONTRACTOR TENDER PERCENTAGE @	ABOVE	<input type="checkbox"/>				
	BELOW	<input type="checkbox"/>				
	AT PAR	<input type="checkbox"/>	_____ %	(B)	<input type="text"/>	<input type="checkbox"/>
(Percentage in words)			
	SUB TOTAL		if above (A) + (B)	(C)	<input type="text"/>	<input type="checkbox"/>
			if below (A) - (B)	(C)	<input type="text"/>	<input type="checkbox"/>
			if at par (A)	(C)	<input type="text"/>	<input type="checkbox"/>
			*SERVICE TAX @ _____ %	(D)	<input type="text"/>	<input type="checkbox"/>
SERVICE HEAD :			_____			
	TOTAL VALUE OF WORK		[(C) + (D)]	(E)	<input type="text"/>	<input type="checkbox"/>
(Rupees in words)			

NOTE :

- 1) Tick whichever is applicable. In case of omission in Ticking, figures indicated in the amount column will be considered.
- 2) Boxes 1,2,3 any one box is to be ticked as per quote. Boxes 5,6,7 any one box is to be filled in with appropriate figures. Box 9 value is equal to Box 5 or 6 or 7 plus box 8.
- 3) Free Issue of Material by BHEL is Rs. **3607412.30 /-**
- **4) Escalation not included for item sl no. marked with # symbol.

Use sheet 29 of 30 for quoting the tender percentage and Service Tax percentage to arrive at the total cost to BHEL.

CONTRACTOR/ TENDERER

ACCEPTING OFFICER



BHARAT HEAVY ELECTRICALS LIMITED

BOILER AUXILIARIES PLANT

RANIPET - 632406

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PRICE BID

ESTIMATE REF NO : CF/C/12/48

NAME OF WORK : COMPLETION OF CIVIL WORKS IN TYPE D-12 UNITS ALONG WITH SERVANT QUARTERS AND GARRAGES IN BHEL TOWNSHIP

SPECIAL CONDITION

1 The tenderer shall quote a percentage above or below or at par, the rates shown in the Bill of Quantities based on CPWD DSR 2012. The percentage quoted shall be clearly written both in words and figures. The contractor should accustom with CPWD DSR & Specifications before quoting.

The total value of this contract & Quantities of works indicated in this tender are tentative and is liable to vary according to the needs of the BHEL without entitling the contractors to any compensation. Hence while quoting percentage, the tenderer shall take this contingency into account and offer their quotation.

2 The quoted percentage will apply to the individual items uniformly and few of the items may / may not be operated. The tenderer/ Contractor shall have no claims in this regard.

The above rates does not include PF & ESI remittance .The tenderer shall quote inclusive of PF & ESI contribution to their workers.

3 Items of work other than those mentioned in Bill of Quantities will have to be carried out at the rates to be fixed by this organisation .The same offered percentage will be applicable with reference to CPWD DSR 2012.

4 Safety precautions should be taken while doing the work. You will have to follow all safety requirements to carry out the work inside the factory premises.

5 CONTRACT CONDITIONS ON TAXES & DUTIES

6 a. The Tenderer shall have been Registered under Excise, Sales Tax, VAT, Service Tax regulations if applicable and provide a copy of such registration to BHEL as part of the tender document. In case of fresh registration/amendment thereon, the same shall be carried out before start of the work. PAN no shall be submitted as part the tender document. (copy to be enclosed)

7 b. Service Tax shall be paid by the service provider namely the Tenderer.

8 c. Required Tax Invoice as per the existing provisions to be issued in required parts duly signed by the Competent/Authorized Official of the Contractor to BHEL.

9 d. If due to deficiency in the document submitted, BHEL could not avail CENVAT, VAT Credit, the credit amount will be recovered from the amount due to the Tenderer .

10 e. If payment of statutory dues are not made in accordance with the applicable provisions of the relevant Act within the time specified and Penalty, Interest etc paid/payable by the Contractor, the same shall not be reimbursed by BHEL and the entire implication is only to be born by the Contractor. The Tenderer shall clearly indicate the rate of applicable taxes and duties for the work to be executed.

11 f. The Tenderer shall indicate all exemptions on account of thrushold limits or special notification under any stature. Any modification theron shall also be intimated immediately on changes.

12 g. The quote submitted shall include all taxes and duties of whatsoever in nature but exclusive of Service Tax which shall be quoted separately if applicable. The existing rate shall be quoted clearly. If reduced rates are applicable on

CONTRACTOR/ TENDERER

ACCEPTING OFFICER



BHARAT HEAVY ELECTRICALS LIMITED

BOILER AUXILIARIES PLANT

RANIPET - 632406

27 of 30

PRICE BID

ESTIMATE REF NO : CF/C/12/48

NAME OF WORK : COMPLETION OF CIVIL WORKS IN TYPE D-12 UNITS ALONG WITH SERVANT QUARTERS AND GARRAGES IN BHEL TOWNSHIP

account of material, labour if any the same shall be indicated clearly. After tender opening addition of any tax & duty is not admissible.

- 13 h. If any composition scheme is to be availed by the Tenderer, the all relevant terms and conditions shall be indicated clearly in the offer. The required compliance under relevant statue shall be carried out.
- 14 i. Any statutory variation will be to the account of BHEL. But if the variation is effective during the delayed/extended period of execution for reasons attributable to the vendor, the same shall be borne by the vendor only.
- 15 J1. Whether Servicable Turnover has crossed the Service Tax Threshold Limit as per Service Tax Rules for the tenderer. YES NO Remarks
- 16 J2. Registered with Service Tax authorities Registered with Service Tax authorities YES NO
- 17 J3. If yes copy of Service Tax Regn. Is enclosed YES NO
- 18 J4. Service Tax Registration No.
- 19 J5. Under which Service Head(s):
- 20 J6. Service Tax @ % is applicable as extra for this tender.
- 21 J7. Whether Input credit for the Materials is availed by the tenderer. YES NO
- 22 J8. Whether Input credit for the service portion is availed by the tenderer. YES NO
- 23 J9. The Total Value of Work (A+B+C) quoted is in the Tender is Inclusive of Service Tax . (Must be quoted both in figures and words)
- 24 J10. Tenderer has their own PF registration YES NO
- 25 J11. Tenderer has their own ESI registration YES NO
- 26 J12. PAN No. of the Tenderer
- 27 BHEL will provide water at free of cost by identifying the water source (Open well) within the BHEL premises subject to availability and the contractor has to make their own arrangement for pumping the water from well and using the same after ensuring the suitability for the purpose. In case BHEL is not able to provide water as stated above, the contractor has to make their own arrangement for bringing the required quality of water at their own cost from outside the premises for construction and testing purposes.
- 28 The contractor has to make their own arrangement for the required power supply for the execution of work.
- 29 All materials shall conform to the latest IS / IRC specifications
- 30 Once the work is completed the contractor should remove all the unwanted materials from the site time to time and it should be disposed off as per the instructions of Engineer-in-charge without any further delay.

CONTRACTOR/ TENDERER

ACCEPTING OFFICER



BHARAT HEAVY ELECTRICALS LIMITED

BOILER AUXILIARIES PLANT

RANIPET - 632406

PRICE BID

28 of 30

ESTIMATE REF NO : CF/C/12/48
NAME OF WORK : COMPLETION OF CIVIL WORKS IN TYPE D-12 UNITS ALONG WITH SERVANT QUARTERS AND GARRAGES IN BHEL TOWNSHIP

- 31 All works shall be carried out as per standard specifications and instructions of Engineer-in-charge.
- 32 All materials, colour, shade, brand, etc. shall be got approved from the Engineer-in-charge before the start of the work and shall confirm to the latest IS/IRC specifications.
- 33 Minimum rates of labour employed in General Engineering and Fabrication Industry as issued by Tamil Nadu Government is applicable from time to time.
- 34 The contractor have to follow all statutory requirements like PF ,ESI etc.,through out the contract period.
- 35 The General conditions of contract in force shall apply to this contract.
- 36 The contractor is required to engage a Diploma holder Engineer through out the contract period.
- 37 Time is essence of the contract. Any delay beyond the delivery date will be subjected to LD.
- 38 "Tenderers are requested to visit the site and verify themselves about the actual site conditions to know about the site facilities, distances and assess the site condition before quoting for the job. No compensation for not acquainting themselves with the actual site conditions will be entertained at the later stage.
- 39 All materials shall confirm to the latest IS/IRC/MORTH specifications.
- 40 Cement and Reinforcement steel will be issued free of cost for theoretical consumption. Excess consumption over and above the theoretical consumption up to 5% will be charged at the recovery rate of Rs 6,040.00 / MT and Rs 54,340.00 / MT respectively. Structural steel will be issued free of cost for theoretical consumption Excess consumption over and above the theoretical consumption up to 5% will be charged at a recovery rate of Rs 51,320.00 / MT. Excess consumption of the free issue materials over and above 5% will be charged with penal recovery which will be at double the rates specified above.
- 41 BHEL will reimburse the Service Tax to the contractor, subject to Service Tax invoice as per law. While quoting, the tenderer should take in to account the implication of Service Tax on the value of free issue materials supplied by BHEL which will works out to Rs. 3808027.21

CONTRACTOR/ TENDERER

ACCEPTING OFFICER

BHARAT HEAVY ELECTRICALS LIMITED,
BOILER AUXILIARIES PLANT, RANIPET - 632406
CIVIL PROJECTS AND SERVICES DEPARTMENT

Name of work: Completion of Civil works in Type D-12 units along with servant quarters and garages in BHEL township.

TENDER Notice No.BAP:CF:24/2013-14

Sl. No.	Description		Values in Rs.ps
1	Estimated value for Completion of Civil works in Type D-12 units along with servant quarters and garages in BHEL township		21638271.19
4	Contractor's Tender percentage @ Percentage shall be quoted with (+) sign for 'Above' , with (-) sign for 'Below' and 0% for 'At Par'	Above Below At par	
5	Quoted price		
6	Value of Free issue materials as specified in 41 of special conditions (C-144 units & D-12 units)		3808027.21
7	Value for Calculation of Service Tax	(5)+(6)	
8	For Individuals / Sole proprietorship firm / partnership firm / HUF / AOP where Reverse charge provisions applicable.		
	Service Tax Rate		
	50% Payable by the bidder		
	50% Payable by BHEL @ 2.472%		
8.1	Service Tax applicable for the value in Sl. No. 7 (100%) for above		
or			
Note:			
For Limited companies where Reverse Charge provisions will not apply, they have to remit the full Service Tax and BHEL shall reimburse the same on production of relevant documents as per Service Tax rules.			
10	Grand Total including Service Tax to be taken for quote in Sealed bid quote		

Note:			
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Bharat Heavy Electricals Limited

Name of work: Completion of Civil works in Type D-12 units along with servant quarters and garages in BHEL township.

Tender Notice No. BAP:CF:24/2013-14

Service Tax

Approximate value of Free materials supplied by BHEL is Rs 3808027.21.

The Bidder shall not include Service Tax in their quoted rates; but the bidder has to separately indicate the Service Tax amount and workings thereof in the Price bid format.

Bidders have to quote full Service Tax payable in the Price bid format included in the Bid document. Out of Full Service Tax amount indicated by the Bidder, 50% of the same shall be considered for evaluation of offers in the case of Bidders being an Individual, Sole Proprietary ship firm, Hindu Undivided Family or Partnership firm whether registered or not, including Association of Persons. For Other Bidders full Service Tax quoted shall be considered for evaluation.

In such cases of successful Bidder being an Individual, Sole Proprietary ship firm, Hindu Undivided Family or Partnership firm whether registered or not, including Association of Persons, 50% Service Tax amount quoted in the Price Bid format will be considered for reimbursement against valid documentary evidence. For others Service Tax quoted in the Price Bid will be considered for reimbursement against valid documentary evidence.

In such cases of Bidders being an Individual, Sole Proprietary ship firm, Hindu Undivided Family or Partnership firm whether registered or not, including Association of Persons, Service Tax payable by BHEL as receiver of Works contract Service i.e. 50% of the Service Tax payable for Works contracts service on composition basis on quoted price and the value of Free issue materials by BHEL @ 2.472 % presently, shall be added to arrive at the total cost to BHEL for each bidder for the purpose of evaluation of Bids.

Manager / Civil Projects & Services