

BHARAT HEAVY ELECTRICALS LIMITED

BOILER AUXILIARIES PLANT

RANIPET - 632406

ESTIMATE

ESTIMATE REF NO : CTS/RB/07/08

NAME OF WORK : MODIFICATION OF TOILETS IN DAV , SRK SCHOOL AND HOSPITAL IN TOWNSHIP

CPWD 2007 REF	SLNO	DESCRIPTION	QTY	UNIT	RATE RS P	AMOUNT RS P
15.56	01	Dismantling old plaster or skirting racking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground with in 50 mtrs lead.	1470.000	SQM	8.20	12054.00
15.23.1	02A	Dismantling tile work in floors and roofs laid in cement mortar including stacking of material with in 50 metres lead. a) For thickness of tiles 10mm to 25 mm	170.000	SQM	10.90	1853.00
15.23.2	02B	Dismantling tile work in floors and roofs laid in cement mortar including stacking of material with in 50 metres lead. a) For thickness of tiles above 25 mm and up to 40 mm	950.000	SQM	16.60	15770.00
DATA	02C	Dismantling of existing watercloset with 'P' trap, foot rest and flush tank connection making good the dismantled floor and walls including stacking the serviceable material and disposal of unserviceable material with in 50 metres lead and as per the instructions of Engineer in charge.	82.000	NOS	79.60	6527.20
15.12	03	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking with in 50 metres lead: a) Of area 3.0 sq. metres and below	4.000	EACH	54.60	218.40
15.44.1	04	Dismantling of GI pipes (external/internal work) including excavation and refilling trenches after taking out the pipes, manually/mechanical means including stacking of pipes with in 50 metres lead as per instructions of engineer in charge : a) 15 mm to 40mm nominal bore	435.000	RM	24.90	10831.50
11.36	05A	Providing and fixing 1st quality ceramic glazed tiles confirming 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	1090.000	SQM	492.26	536563.40

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					RS	P	RS	P
		approved by Engineer in charge in skirting, risers of steps, dados over 12mm thick bed of cement mortar 1:3 (1Cement : 3 Coarse sand) and jointing with grey cement slurry at the rate 3.3 kg /sqm including pointing in white cement mixed with pigment of matching shade complete.						
DATA	05B	same as above but for border tiles	40.000	SQM	1189.76			47590.40
11.39	06	Providing and laying rectified Glazed ceramic floor tiles 300 x 300 mm or more (thickness to be specified by the manufacturer) of 1st quality confirming to IS: 15622 of approved make in colours white, ivory, Grey, Fume Red brown, laid on 20mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand) including grouting the joints with white cement and matching pigments etc. complete.	495.000	SQM	695.56			344302.20
8.2.2.2	07	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 20 mm thick base cement mortar 1:4 (1 cement : 4 Coarse sand) with joints treated with white cement, mixed with matching pigment, epoxy touch ups, including, rubbing, curing, moulding and polishing to edge to give high gloss finish etc. complete at all levels. a) Granite of any colour and shade - Area of slab over 0.50 sqm.	50.000	SQM	2514.12			125706.00
8.3.2	08	Extra for providing edge moulding to 18 mm thick marble stone counters, Vanities etc. including polishing to edge to give high gloss finish etc. complete as per design approved by Engineer in charge a) Granite work	120.000	RM	97.60			11712.00
15.52	09	Dismantling of flushing cistern of any size including stacking of useful	82.000	EACH	143.35			11754.70

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		materials near the site and disposal of unserviceable materials with in 50 metres lead.				
17.1.1	10	Providing and fixing watercloset squatting pan (indian type W.C. pan) with 100mm sand cast iron P or S strap 10 litre low level white P.V.C. flushing cistern with manually controlled device (handle lever) confirming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required : White Vitreous china Orissa pattern W.C. pan of size 580 x 440 mm with integral type foot rests.	82.000	EACH	2304.65	188981.30
DATA	11	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350mm and 340x 410x 265mm sizes repectively with automatic flushing cistern, with standard flush pipe and C.P. brass spreaders with brass nions and G.I. clamps complete painting of fittings and brackets, cutting and making good the wlls and floors wherever required One urinal basin with 5 litres white P..V.C. automatic flushing cistern.	77.000	EACH	1119.40	86193.80
17.23	12	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430 x 260 x 350 mm and 340 x 410 x 265 mm sizes respectively.	65.000	EACH	578.95	37631.75
17.7.2	13	Providing and fixing wash basin with C.I brackets, 15 mm C.P. brass pillar taps, 32mm C.P brass wast of standard pattern, including paintings of fittings and brackets and making good the walls wherever require: a) White vitreius China wash basin of 580/630 x 450 mmwith a single 15 mm C.P.brass pillar tap.	26.000	EACH	1201.70	31244.20
5G-AGT03/08	14	Fixing of white vitreous China wash basin of Parryware / Neycer make or equivalent including all fitting	10.000	EACH	176.00	1760.00

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					RS	P	RS	P
		connection such as C.P. pillar tap, C.P. waste coupling, PVC waste pipes, flexible hose, etc. The rate will be for labour charges only and above required material will be given by BHEL free of cost. All as per standard specifications and instructions of Engineer in charge.						
17.28.1.2	15A	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete: a) Semi rigid pipe - 40 mm dia	66.000	EACH	47.95		3164.70	
17.28.2.1	15B	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete: a) Flexible pipe - 32mm dia	34.000	EACH	46.80		1591.20	
17.29	16	Providing and fixing 100 mm sand cast iron grating for gully trap.	32.000	EACH	16.45		526.40	
18.10.1	17A	Providing and fixing G.I.Pipes complete with G.I. fittings and clamps including cutting and making good the walls etc. a) 15 mm dia nominal bore	320.000	RM	105.85		33872.00	
18.10.2	17B	Providing and fixing G.I.Pipes complete with G.I. fittings and clamps including cutting and making good the walls etc. a) 20 mm dia nominal bore	75.000	RM	133.85		10038.75	
18.10.3	17C	Providing and fixing G.I.Pipes complete with G.I. fittings and clamps including cutting and making good the walls etc. a) 25 mm dia nominal bore	50.000	RM	179.65		8982.50	
5.18.1	18	Providing precast cement concrete jalli 1:2:4 (! Cement: 2 coarse sand: 4 graded stone aggregate 6mm nominal size) reinforced with 1.6mm dia mild steel wire including centering and shuttering, roughening, cleaning, fixing and finishing in cement mortar 1:3 (1 cemet : 3 fine sand) etc. complete excluding plastering of jambs, sills and soffits. a) 50 mm thick	10.000	SQM	274.25		2742.50	
17.76.1	19	Providing and fixing PTMT urinal cock of approved quality and colour	64.000	EACH	113.90		7289.60	

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		15 mm nominal bore, 80mm long, 42mm high and 30 mm wide with BSP female threads weighing not less than 48 gms.				
18.52.1/AMEI	20	Providing and fixing C.P. brass stop cock (concealed) of standard design and approved make confirming to IS:8931 15 mm nominal bore	136.000	EACH	274.40	37318.40
18.49.1/AMEI	21	Providing and fixing C.P.brass bib cock of approve quality confirming to IS:8931 15 mm nominal bore	50.000	EACH	313.10	15655.00
18.74.2	22	Providing and fixing unplastised P.V.C. connection pipe with PTMT nuts and collar and bush of approved quality and colour: 15 mm nominal bore with 45 cm length	136.000	EACH	52.90	7194.40
18.17.1	23	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 25 mm nominal bore	29.000	EACH	285.50	8279.50
1.1.1	24A	Carriage of materials by mechanical transport including loading, unloading and stacking of lime mooram and building rubbish a) Up to 1 KM lead or part thereof	12.000	CUM	39.50	474.00
1.1.1	24B	Carriage of materials by mechanical transport including loading, unloading and stacking of lime mooram and building rubbish a) From 1 KM to 2 KM Lead	10.000	CUM	45.10	451.00
67OF CF27/0'	25	Supplying and fixing of PVC nahani trap 100 x 50 mm	32.000	EACH	50.00	1600.00

1609873.80

ESCALATION @ %

0.00

TOTAL ESTIMATED VALUE

1609873.80

CONTRACTOR TENDER PERCENTAGE @ ABOVE / BELOW / AT PAR _____%

(Percentage in words)

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SERVICE TAX @	%	TOTAL VALUE OF WORK	=====
			=====

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