

<b>BHARAT HEAVY ELECTRICALS LIMITED</b>						
<b>BOILER AUXILIARIES PLANT</b>						
<b>RANIPET - 632 406</b>						
<b>NAME OF WORK : Civil Works for Retrofit ESP, ESP,ID FAN &amp; DUCT foundations, Flooring Below ESP, Control Room &amp; Cable trench etc., in APGENCO RTS 'B' STATION, Ramagundam TPS 62.50 MW, A.P.</b>						
<b>CPWD 2007</b>	<b>SL. NO</b>	<b>DESCRIPTION OF WORK</b>	<b>QTY</b>	<b>UNIT</b>	<b>RATE</b>	<b>AMOUNT</b>
15.2.1	1a	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 m lead as per direction of Engineer - in- charge. 1:3:6 or richer mix	30.00	CUM	368.45	11053.50
15.2.2	1b	1:4:8 or leaner mix	30.00	CUM	226.90	6807.00
15.3	2	Demolishing RCC work manually/ by mechanical means including stacking of steel bars and disposal disposal of unserviceable material within 50 m lead as per direction of Engineer - in- charge.	120.00	CUM	537.55	64506.00
15.7.4	3	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 m lead in cement mortar as per direction of Engineer - in- charge.	1.00	CUM	310.75	310.75
15.28.2	4	Dismantling roofing including ridges, hips valleys and gutters etc., and stacking the material within 50 metres lead of: Asbestos sheet	1.00	SQM	11.75	11.75
15.18	5	Dismantling steel work in built up sections in angles, tees, flats and channels including all gusset plates, bolts, nuts, cutting rivets, welding etc., including dismembering and stacking within 50metres lead.	140.00	KG	0.85	119.00
15.9.2	6	Demolishing stone rubble masonry manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 m lead in cement mortar as per direction of Engineer - in- charge.	1.00	CUM	370.75	370.75
15.12.1	7a	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts, etc. complete and stacking within 50M lead of area 3 sq metres and below	1.00	EACH	54.60	54.60
15.12.2	7b	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts, etc. complete and stacking within 50M lead	1.00	EACH	75.35	75.35

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CPWD 2007	SL. NO	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
15.42.1	8a	Dismantling C.I. or asbestos rain water pipe with fittings and clamps including stacking the material within 50M lead from 75mm to 80mm dia	10.00	RM	11.40	114.00
15.42.2	8b	100mm dia	10.00	RM	11.80	118.00
15.42.3	8c	150mm dia	10.00	RM	12.20	122.00
15.56	9	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50M lead	10.00	SQM	8.20	82.00
15.43.1	10	Dismantling Water bound macadam road manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 m lead as per direction of Engineer - in-charge.	100.00	SQM	34.30	3430.00
2.1.1	11	Earthwork in surface excavation not exceeding 30cm in depth but exceeding 1.5m in width as well as 10sqm on plan including disposal of excavated earth upto 50m and lift upto 1.5m, disposed soil to be levelled and neatly dressed in all kinds of soil.	10.00	SQM	20.74	207.40
2.6.1	12	Earthwork in excavation mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth 1.5m in width as well as 10sqm on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed in all kinds of soil.	10.00	CUM	101.85	1018.50
2.7.1	13	Earthwork in excavation mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth, 1.5m in width as well as 10sqm on plan) including disposal of excavated earth , upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed in ordinary rock.	10.00	CUM	152.60	1526.00
2.8.1	14	Earthwork excavation mechanical means (Hydraulic excavator) / manual means in 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 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50m in all kinds of soil.	5300.00	CUM	103.40	548020.00

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CPWD 2007	SL. NO	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
2.9.1	15a	Excavation work in 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 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50m in ordinary rock.	20.00	CUM	162.65	3253.00
	15b	Hard rock ( Blasting prohibited)	1.00	CUM	332.45	332.45
Agt No 12/2007-08 part 1 item No. 12	16	Pumping out the water from the pits including slushy soil a directed by the Engineer- in- Charge.	500.00	HP/ Hour	25.00	12500.00
2.26	17	Extra for every additional lift of 1.5m or part thereof in				
2.26.1	a	All kinds of soil	3000.00	CUM	18.90	56700.00
2.26.2	b	Ordinary or hard rock	15.00	CUM	33.85	507.75
2.25	18	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 upto 50m and lift upto 1.5m.	3700.00	CUM	45.70	169090.00
2.27	19	Supplying and filling in plinth with good river sand under floors including watering, ramming, consolidating and dressing complete.	100.00	CUM	301.50	30150.00
4.1	20	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - all work upto plinth level.				
4.1.3	a	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	1.00	CUM	3257.45	3257.45
4.1.8	b	1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size)	300.00	CUM	2449.00	734700.00
4.1.10	c	1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40mm nominal size)	1.00	CUM	2237.75	2237.75

CPWD 2007	SL. NO	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
4.5.1	21	Providing and fixing upto 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 centring, shuttering and finishing smooth with 6mm thick cement plaster 1:3 (1 cement : 3 fine sand) on exposed surfaces complete in 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size)	0.10	CUM	4814.35	481.44
5.1	22	Providing and laying in position specified grade of reinforced cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) excluding the cost of centring, shuttering, finishing and reinforcement .				
5.1.3	a	All works upto plinth level	1.00	CUM	3359.60	3359.60
5.2.3	b	All works from plinth level upto floor V level	1.00	CUM	3720.00	3720.00
5.1	23	Providing and laying in position specified grade of reinforced cement concrete 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20mm nominal size) excluding the cost of centring, shuttering, finishing and reinforcement .				
5.1.2	a	All works upto plinth level	135.00	CUM	3732.00	503820.00
5.2.2	b	All works from plinth level upto floor V level	1.00	CUM	4092.35	4092.35
5.8	24	Reinforced cement concrete work in vertical and horizontal fins individually or forming box louvers, facias and eaves boards upto floor five level excluding the cost of centring, shuttering, finishing and reinforcement with 1:1.5:3 (1cement : 1.5 coarse sand : 3 graded stone aggregate 20mm nominal size)	1.00	CUM	3928.75	3928.75
5.9	25	Centring and shuttering including strutting, propping etc. and removal of form for:				
5.9.1	a	Foundations, footings, bases of columns etc. for mass concrete.	1600.00	SQM	119.25	190800.00
5.9.2	b	Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc.	10.00	SQM	180.40	1804.00
5.9.3	c	Suspended floors, roofs, landings, balconies and access platform.	600.00	SQM	187.35	112410.00
5.9.4	d	Shelves (Cast in situ)	10.00	SQM	187.35	1873.50

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5.9.5	e	Lintels, beams, plinth beams, girders, bressumers and cantilevers.	50.00	SQM	162.65	8132.50
5.9.6	f	Columns, Pillars, Piers, Abutments, Posts and Struts	230.00	SQM	238.40	54832.00
5.9.13	g	Vertical and horizontal fins individually or forming box louvers band, facias and eaves boards	120.00	SQM	285.55	34266.00
5.9.19	j	Weather shade, Chajjas, corbels etc., including edges	25.00	SQM	258.60	6465.00
5.17	26	Providing hoisting and fixing upto 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 centring, shuttering and finishing smooth with 6mm thick cement plaster 1:3 ( 1 cement : 3 fine sand) on exposed surfaces complete but excluding the cost of reinforcement with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size).	6.00	CUM	6745.50	40473.00
5.22.3	27a	Reinforcement for RCC work including straightening, cutting, bending, placing in position and binding all complete for mild steel and medium Tensile steel bars.	3000.00	KG	41.50	124500.00
5.22.3	27b	Cold twisted bars	100000.00	KG	42.70	4270000.00
5.22.6	27c	Thermo-Mechanically Treated bars	60000.00	KG	42.70	2562000.00
Data	28	Providing and filling in position of Expansion Joint filler board of 25 mm Thick and 300 mm Depth.	5.00	SQM	494.50	2472.50
5.33	29	Providing and laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete structural elements, excluding the cost of centring, shuttering, finishing and reinforcement, including admixtures in recommended proportions (as per IS9103) to accelerate, retard setting of concrete improve workability without impairing strength and durability as per direction of Engineer-in-charge - M25 grade reinforced cement concrete by using 410 kg of cement per cum of concrete. All work upto floor v level.	500.00	CUM	4147.40	2073700.00

CPWD 2007	SL. NO	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
5.37	30a	Providing and laying in position ready mixed concrete manufactured in fully automatic batching plant and transported to site of work in transit mixer for a lead up to 10kms 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. M-25 grade Reinforced cement concrete by using 410kg of cement per cum of concrete. All works up to floor V level.	1500.00	CUM	4356.50	6534750.00
5.39	30b	Extra for carriage of R.M.C beyond the initial lead of 10 KM	1.00	CUM/ Km	20.90	20.90
6.1.2	31a	Brick work with F.P.S. bricks of class designation 75 in foundation and plinth in: Cement mortar 1:6 (1 cement: 6 coarse sand)	10.00	CUM	2121.75	21217.50
6.4.2	b	Brick work with F.P.S. 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 (1 cement: 6 coarse sand)	1.00	CUM	2463.60	2463.60
6.12.2	32a	Half brick masonry with F.P.S. brick of class designation 75 in foundations and plinth in. cement mortar 1:4 (1 cement: 4 coarse sand)	10.00	SQM	270.35	2703.50
6.13.2	32b	Half brick masonry with F.P.S. bricks of class designation 75 in superstructure above plinth level up to floor V level. Cement mortar 1:4 (1 cement :4 coarse sand)	20.00	SQM	302.80	6056.00
6.32.2 data	33a	Brick work with clay flyash F.P.S. brick of class designation 75 in plinth level in : Cement Mortar 1:6 (1 Cement: 6 Coarse sand)	10.00	CUM	1826.20	18262.00

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6.32.2	33b	Brick work with clay flyash F.P.S. brick of class designation 75 in superstructure above plinth level up to floor five level in : Cement Mortar 1:6 ( 1 Cement: 6 Coarse sand)	70.00	CUM	2134.70	149429.00
7.1.1	34	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) at plinth level with cement mortar 1:6 (1 cement: 6 coarse sand)	1.00	CUM	1838.90	1838.90
11.3.1	35	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps etc. complete of 40mm thick with 20mm nominal size stone aggregate.	150.00	SQM	192.95	28942.50
Agt No 11/2002-03 item No 19 CI 2007-260 2002-166	36	Providing shahabad stone slab flooring of 25 mm thick of approved quality and colour laid over 20 mm thick base of cement mortar 1:4, jointed with cement slurry including rubbing and polishing etc., complete. ( Non ac area only )	150.00	SQM	313.25	46987.50
DSR 2002 item No 11.64.2 Cost Index 2007-260 2002-166	37	Providing and fixing homogeneous Polyvinyl chloride sheet /tile in flooring and skirting in approved pattern on a smooth and damp proof base using rubber based adhesives of approved quality and manufacturer like Dunlop S-758, Fevicol SR 998 or equivalent including rolling with light wooden roller weighing about 5 kg. all complete as directed by Engineer-in-Charge, in approved colour and shade. 2.00 mm Thick tile	65.00	SQM	755.33	49096.45
9.1.1	38	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position in Second class Teak wood .	0.10	CUM	52090.00	5209.00

CPWD 2007	SL. NO	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
Agt No 12/2007-08 Part IV item No 10	39	Grouting the pockets underneath of base plate with ACC Shrinkkomp or equivalent brand as approved by the Engineer-in-charge, non-shrink free flow grout mix 40. Rate to include cleaning, properly hacking the surface of the pockets and below base plates with necessary centring and shuttering, labour and materials etc. complete as per standard specifications and instructions of Engineer-in-charge. all cleaning and preparation of surface, mixing should be done strictly as per the manufacturers recommendations.	24.00	CUM	33094.95	794278.80
L.S	40	Carrying from BHEL stores/Stack yard at site of work and fixing in position of foundation bolts of various diameter to true to alignment and level using template made for this purpose.The rate shall include cost of template , fabricated out of structural steel.	700.00	NO	50.00	35000.00
21.1	41	Providing and fixing anodised aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular and other sections of approved make conforming to IS: 733 and IS : 1285, anodised transparent or dyed to required shade according to IS : 1868. (Minimum anodic coating of grade AC 15), fixed with rawl plugs and screws or with fixing clips, or with expansion hold fastners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / panelling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing and panelling to be paid for separately.)				
21.1.1.1	41a	For fixed portion Anodised aluminium (anodised transparent or dyed to required shade according to Is:1868, Minimum anodic coating of grade AC 15)	50.00	Kg	290.45	14522.50

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CPWD 2007	SL. NO	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
21.1.2.1	41b	For shutters of doors, windows & ventilators including providing and fixing hinges / pivots and making provision for fixing of fittings wherever required including the cost of PVC / neoprene gasket required (Fittings shall be paid for separately.) Anodised aluminium (anodised transparent or dyed to required shade according to Is:1868,Minimum anodic coating of grade AC 15)	125.00	Kg	310.45	38806.25
21.3	42	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item.)				
21.3.1	42a	With float glass panes of 4.0 mm thickness	26.00	SQM	554.95	14428.70
21.3.2	42b	With float glass panes of 5.50 mm thickness	11.00	SQM	673.55	7409.05
21.4.1	43	Providing and fixing double action hydraulic floor spring of approved brand and manufacture IS : 6315 marked, for doors including cost of cutting floors as required, embedding in floors and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-charge. With stainless steel cover plate.	4.00	EACH	1732.65	6930.60
10.2	44	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete:	5500.00	KG	46.35	254925.00

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10.6.1	45a	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths interlocked together through their entire length and jointed together at the end by end locks mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete including the cost of providing and fixing necessary 27.5cm long wire springs grade No.2 and M.S. top cover of required thickness for rolling shutters. 80x1.25mm M.S. laths with 1.25 mm thick top cover.	12.00	SQM	1208.45	14501.40
10.7	45b	Providing and fixing ball bearing for rolling shutters.	2.00	Each	356.50	713.00
10.8.1	45c	Extra for providing mechanical device chain and crank operation for operating rolling shutters. Exceeding 10.00 sqm and upto 16.80 sqm in the area.	12.00	SQM	480.30	5763.60
10.11	46	Providing and fixing factory made ISI marked steel glazed doors, windows and ventilators side /top /centre hung with beading and all members such as K11 B and K12 B etc. complete of standard rolled steel sections, joints mitred and flash butt welded and sash bars tenoned and riveted with 15x3mm lugs, 10cm long, embedded in cement concrete blocks 15x10x10cm of 1:3:6 (1 cement : 3 coarse sand : 6 graded stone ggregate 20mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required, including providing and fixing of hinges, pivots, float glass panes with glazing clips and special metal sash putty of approved make and a priming coat of approved steel primer excluding the cost of other fittings except necessary hinges or pivots complete as per approved design (Sectional weight of only steel members shall be measured for payment without weight of glass & other fittings.	100.00	KG	178.90	17890.00

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12.45.1	47	Providing and fixing at all height false ceiling including providing and fixing of frame work made of special sections power pressed from M.S. sheet and galvanised in accordance with zinc coating of grade 350 as per IS : 277 and consisting of angle cleats of size 25mm wide x 1.6mm thick with flanges of 22mm and 37mm at 1200mm centre to centre one flange fixed to the ceiling with dash fastener 12.5mm diax40mm long with 6mm dia bolts to the angle hangers of 25x25x0.55mm of required length, and other end of angle hanger being fixed with nut and bolts to G.I. channels 45x15x0.9mm running at the rate of 1200mm centre to centre to which the ceiling section 0.5mm thick button wedge of 80mm with tapered flanges of 26mm each having clips of 10.5mm at 450mm centre to centre shall be fixed in a irection perpendicular to G.I. channel with connecting clips made out of 2.64mm diax230mm long G.I. wire at every junction including fixing the gypsum board with ceiling section and perimeter channels 0.5mm thick 27mm high having flanges of 20mm and 30mm long, the perimeter of ceiling fixed to wall/partition with the help	65.00	SQM	502.10	32636.50
		with 25mm long drive-all screws @ 230mm interval including jointing and fixing to a flush finish of tapered and square edges of the board with recommended filler, jointing tapes, finisher and two coats of primer suitable for board as per manufactures specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed all complete as per drawing and specification and direction of the Engineer in Charge but excluding the cost of painting with : 12.5 mm thick tapered edge gypsum board conforming to IS: 2095-Part I.				
22.14.1	48	Grading roofs for water proofing treatment with Cement Concrete 1:2:4 (1 Cement : 2 Coarse sand : 4 graded stone aggregate 20 mm nominal size)	7.00	CUM	3314.95	23204.65

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22.8.1	49	Providing and laying four courses water proofing treatment with bitumen felt over roofs consisting of first and third courses of blown bitumen 85/25 or 90/15 conforming to IS : 702 applied hot @ 1.45 Kg per square metre of area for each course, second course of roofing felt type 3 grade-I (hessian based self finished bitumen felt) manufactured by Bengal Bitumen, STP Ltd, Arcus Ltd etc., and fourth and final course of stone grit 6mm and down size or pea-sized gravel spread at 6 cubic diametre per square metre including preparation of surface but excluding grading complete with Bitumen felt (hessian base)type 3 grade I conforming to IS : 1322.	210.00	SQM	184.80	38808.00
12.78/143	50	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 10mm gap for thermal expansion of single socketed pipes				
12.43.2	50a	110 mm diameter	60.00	RM	96.90	5814.00
12.42.1.2	50b	110 mm coupler	10.00	Each	101.65	1016.50
12.42.5.2	50c	110 mm bend - 87.50 degree	10.00	Each	134.20	1342.00
12.42.6.2	50d	110 mm shoe	10.00	Each	263.10	2631.00
12.42.3.2	50e	Single tee with door 110x110x110 mm	1.00	Each	260.70	260.70
12.42.4.2	50f	Single tee without door 110x110x110 mm	1.00	Each	208.45	208.45
13.1.2	51	12mm cement plaster of mix 1:6 (1 cement : 6 coarse sand)	600.00	SQM	67.65	40590.00
13.2.2	52	15mm cement plaster of mix 1:6 (1 cement :6 coarse sand) on rough side of single or half brickwall.	600.00	SQM	78.55	47130.00
13.28.3	53	12 mm thick plain cement mortar bands in cement mortar 1:4 (1 cement : 4 fine sand) Raised band.	50.00	SQM	165.00	8250.00
13.16.1	54	6 mm cement plaster to ceiling of mix 1:3 (1 cement :3 fine sand)	70.00	SQM	62.15	4350.50
13.37.1	55	White washing three coats with lime to given an even shade	700.00	SQM	6.75	4725.00
13.42.1	56	Distempering with 1st quality acrylic washable distemper (ready mixed) of approved manufacturer and of required shade and colour complete. as per manufacturer's specification. Two coats on new work	250.00	SQM	23.55	5887.50

CPWD 2007	SL. NO	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
13.43.1	57	Applying one coat of cement primer of approved brand and manufacture on wall surface :	250.00	SQM	17.20	4300.00
13.48.1	58	Finishing walls with Delux Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications Two coats applied @ 1.25ltr/ 10 Sqm over and including one coat of special primer applied @ 0.75 ltr / 10 Sqm	700.00	SQM	62.25	43575.00
13.61.1	59	Painting with synthetic enamel paint of two coats on new work of approved brand and manufacture to give an even shade.	300.00	SQM	35.35	10605.00
13.69.1	60	Polishing of wood work with ready mixed wax polish of approved brand and manufacture on new work	10.00	SQM	35.80	358.00
1.1.2/54	61	Carriage of materials by mechanical transport including loading, unloading & stacking - excavated earth, debris etc.,				
1.1.2./ 54	(a)	1 KM lead	1000.00	CUM	49.42	49420.00
1.1.2./ 54	(b)	2 KM lead	4000.00	CUM	56.41	225640.00
	62	<b>PROVIDING FOLLOWING MANPOWER SUPPLY ASSISTANCE.</b>				
	62a	One number clerk with knowledge of computer operation along with supply and operation of one no. latest desk top personal computer and one laserjet multifunction device with fax cum scanner cum printer functions for BHEL site office. (including licensed os , services , maintenance of the computer system and supply and replacement of spares & printer cartridges as required.)	12.00	MAN MONTH	10000.00	120000.00
	62b	One number office boy for BHEL site office.	12.00	MAN MONTH	4000.00	48000.00
	62c	One number Engineer ( D.C.E qualified ) for site office operations, maintaining quality checks, records etc.	12.00	MAN MONTH	10000.00	120000.00
		Sub Total			Rs.	<b>20564704.19</b>

CPWD 2007	SL. NO	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
		Contractor's Tender Percentage Below/ At Par/ Above .....% (Words in Tender Percentage)				
		Service Tax is Inclusive / Exclusive				
		If inclusive , Service Tax Percentage @ .....% (Words in Percentage & value in Rupees)			Rs	
		Total for contractor's quoted Value				
		Rupees in words				
<b>SPECIAL CONDITIONS OF CONTRACT</b>						
	1	The tenderer shall quote a "percentage above or below "or "at par". The rates shown in the bill of quantities based on CPWD schedule of rates. The percentage quoted shall be clearly written both in words in figures.				
	2	The quoted percentage will apply to the individual items uniformly and few of the items may/may not be operated.				
	3	The quoted percentage shall be firm through out the contract period.				
	4	The cement adequacy shall be as per CPWD practice.				
	5	Testing of Cement, Reinforcement Steel, Concrete Cubes and other connected building materials as and when required by BHEL/Customer shall be done by the contractor at his own cost in the laboratory as approved by the Engineer in charge.				
	6	You will have to follow all statutory requirements like PF, ESI, Minimum Wages, etc., through out the contract period.				
	7	You will have to follow all safety requirements to carry out the work at SITE.				
	8	The tenderer may visit the site and assess location before quoting the rate.				

CONTRACTOR/TENDERER

ACCEPTING OFFICER

CPWD 2007	SL. NO	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
	9	Rate quoted shall be firm throughout the contract period and include all royalties, terminal taxes, central or provincial excise tax, sales tax, tax on works contract and any other taxes leviable under the State or Central Government Rules. <b>The tenderer has to mention in the rate schedule specifically that the service tax is inclusive or exclusive. You will have to submit the Service Tax Registration Certificate to BHEL . You will have to claim the Service Tax from BHEL by submitting Tax invoice as per Service Tax Rules and the documentary evidence will have to be submitted along with the next bill. If for any reason, tenderer has to pay penalty, interest on service tax, the tenderer has to bear such additional payment. BHEL will pay only the Service Tax at actual. In case tenderer doesn't mention whether the quoted prices are inclusive or exclusive of Service Tax, BHEL will assume that the quoted rates are inclusive of service tax.</b> The Bharat Heavy Electricals Limited will not entertain any claim in this regard.				
	10	The rate indicated in the Schedule here does not include PF, ESI, etc.,				
	11	<b>SPECIAL CONDITIONS OF CONTRACT FOR MANPOWER SUPPLY ASSISTANCE ETC.</b>				
	a	The quantity of manpower assistance indicated in the rate schedule is only approximate. BHEL will specify the actual requirement as and when the need arises at various stages of execution of contract. BHEL will have the option of not operating any of the items indicated in the rate schedule under manpower supply.				
	b	The manpower provided shall be capable of carrying out the assigned work to the satisfaction of BHEL. BHEL reserves the right to decide on the suitability of the personnel deployed and insist on removal of any employee found unsuitable for the work assigned. The contractor shall forthwith arrange for replacement.				
	12	<b>MANPOWER SUPPLY FOR SITE MANAGEMENT ETC:</b>				
	a	Compliance with statutory obligations as well as any other requirements / provisions with respect to manpower supplied and equipment including insurance, medical facilities, minimum wages, safety requirements, accommodations, conveyance etc., are the responsibility of the Contractor. <b>The rates quoted shall be inclusive of all the above requirements.</b>				
	b	The contractor shall strictly abide by the state and central laws, statutory rules, regulations etc. as indicated in the GCC and other sections of the special conditions of contract. In addition the contractor shall have to comply with professional tax / and PF /ESI/ labour licence regulations for all his employees / workman as per the local authorities / governing bodies instructions.				
	13	<b>SPECIFICATION FOR PC SYSTEM ( 01. NO.)</b>				

CPWD 2007	SL. NO	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
	a	For management of materials receipt, issues etc., site management activities and to prepare statements a PC is required. The Contractor should provide ONE No. of Personal Computer system as per the following specification at their cost. The rate for one no. clerk shall be inclusive of the PC. The scope of contractor shall include providing a licensed operating system ( Vista Business version ), licensed software ( latest version of MS OFFICE with CD/DVD ) , maintenance, servicing and replacement of spares. The system will be kept in BHEL site office and used exclusively for BHEL's site management activities. Maintenance of the System including supply of spares is the responsibility of the Contractor, and if any fault / failure of the system occurs, it should be rectified immediately without delay at contractor's cost. The scope also includes supply of consumables like printer cartridges etc. as and when required by BHEL.				
	b	<b>SPECIFICATION FOR PC SYSTEM:</b>				
		<b>To be arranged by the Contractor at their cost.</b>				
			Sl.No	Features	Minimum Requirements	
			1	Processor	Intel Pentium 4.2 GHz or above	
			2	Chipset	Intel 845 or higher Intel Chipset	
			3	RAM	1 GB DDR SDRAM	
			4	HDD	250 GB SATA	
			5	FDD	1.44 MB	
			6	Optical Drive	52 X DVD writer or higher, SATA	
			7	Monitor	15" TFT colour	
			8	Key Board	Minimum 104 Keys Windows keyboard	
			9	Mouse	2 Button optical mouse	
			10	Ethernet	Integrated 10/100 Mbps NIC for LAN	
			11	Ports	Minimum 1 parallel, USB	
			12	OS	VISTA Business version	
			13	USB	USB-2	
			14	Accessories	Mouse pad & Dustcovers	
			15	UPS	1KVA UPS with 1 Hr. back up	
			16	Multi Function Printer	A4 size laser jet printer with built in FAX and Scanning facility -20 ppm or above (with all consumables, cartridges etc.)	