

**GENERAL ABSTRACT FOR ESTIMATE FOR CONSTRUCTION OF
SUB HEALTH CENTER (DELIVERY POINT) AT -----
DISTRICT ----- M.P.**

USE SOR:- CIVIL-1-8-14, ELECTRICAL-1-8-14 (With up to date Amendment)

Sl. No.	Description of works	Amount
A	CIVIL WORKS	
I	Cost of Up to Plinth level	764684.00
II	Cost of Superstructure	1253538.00
III	Cost of Sanitary	110513.00
	Sub total	2128735.00
B	Electrical works	241790.00
C	Tube Well	204450.00
D	Boundary wall	423907.00
	TOTAL Amount	2998882.00
	Add for 10 % below SOR inforce from 24.08.2017 for PIU, PWD	299888.20
	TOTAL Amount	2698993.80
	Add 12 % GST	323879.26
	TOTAL Amount	3022873.06
	Say Amount	30.23 Lakh

**Sub Engineer
Joint Director , Health
Services, Bhopal**

**Assistant Engineer
Joint Director , Health
Services, Bhopal**

**Executive Engineer
NHM, Health
Services, Bhopal**

**DETAILED ESTIMATE FOR CONSTRUCTION OF SUB HEALTH CENTER (DELIVERY POINT) AT -----
DISTRICT ----- M.P.**

Sl. No.	Item no.	PARTICULARS	No.	L	B	H	Qty	Unit	Rate	Amount
		PART- A UP TO PLINTH LEVEL								
1	2.6	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30cm in depth. 1.5m in width as well as 10 sqm on plan) including dressing of sides and ramming of bottom disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed. (No extra lift is payable if work is done by mechanical means)								
		All kinds of soil								
		col pits	22	1.50	1.80	1.40	83.16			
		Septic tank	1	3.00	1.80	1.40	7.56			
							90.72	cum.	129.00	11703.00
2	2.7	Earth work in excavation/ by mechanical means (Hydraulic Excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5m in width as well as 10 sqm on plan) including dressing of sides and ramming of bottom disposal of excavated earth, lead upto 50 m and lift upto 1.5 m, disposed earth to be levelled and neatly dressed.								
	2.7.1									
		col pits	22	1.50	1.80	0.60	35.64			
		Septic tank	1	3.00	1.80	0.60	3.24			
							38.88	cum.	203.00	7893.00
3	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :								
	4.1.2	With 40mm nominal size graded stone aggregate.								
	4.1.2.2	Nominal Mix -1 Cement : 3 sand : 6 graded stone aggregate (M 10)								
		Col pits	22	1.50	1.80	0.10	5.94			
		Septic tank	1	3.00	1.80	0.10	0.54			
							6.48	cum	3808.00	24676.00
4	5.1	Providing and laying in position specified grade of reinforced cement concrete (with 20mm nominal size graded stone aggregate) excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :								
	5.1.1	M 20 –Grade Concrete								
		Col pits	22	1.30	1.60	0.50	22.88			
		Septic tank	1	3.00	1.80	0.10	0.54			
		For col up to GL	22	0.20	0.40	1.40	2.46			
		Up to bottom of Plinth Beam	22	0.20	0.40	0.50	0.88			
		For Plinth Beam Horizontal	3	15.35	0.20	0.40	3.68			
		Vertical	6	9.70	0.20	0.40	4.66			
		For Slab	1	15.35	9.70	0.10	14.89			
		Curtaion wall	1X2	15.35	0.60	0.10	1.84			
			1X2	9.70	0.60	0.10	1.16			
		Septic tank tob Beam	1X2	3.00	0.20	0.20	0.24			
			1X2	1.80	0.20	0.20	0.14			
							53.38	cum	5091.00	271758.00
5	5.16	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding including cost of binding wire up to floor two level including all wastage etc. complete.								
	5.16.6	Thermo-Mechanically Treated bars.(TMT)								
		Take 1 % of Total RCC								
		qnty of item no. (3) 53.38 sqmX100 kg/sqm					5338.00	Kg	54.00	288252.00
6	5.9	Centering and shuttering including strutting, propping etc. and removal of								
	5.9.1	Foundations, footings, bases of columns, etc. for concrete up to plinth level.								
		For Footing sides	22	5.80	0.50		63.80			
		Col up to GL	22	1.20	1.40		36.96			
		Up to buttom of Plinth beam	22	1.20	0.60		15.84			
		For Plint Beam Horizontal	3	15.35	1.00		46.05			
		Vertical	6	9.70	1.00		58.20			
		Curtain wall	1X2	15.35	1.00		30.70			
			1X2	9.70	1.00		19.40			
		Septic tank tob Beam sides	1X2	3.00	0.20		1.20			
			1X2	1.80	0.20		0.72			
							272.87	sqm	174.00	47479.00

Sl. No.	Item no.	PARTICULARS	No.	L	B	H	Qty	Unit	Rate	Amount
7	2.25	Filling available excavated earth (excluding hard rock/Ordinary 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. For Col Pits Total Excavation-(Pcc+ Rcc+ Rcc up to GL) .= 118.80-(5.94+22.88+ 2.46) .=118.80 -31.28 = 87.52					87.52	cum.	72.00	6301.00
8	2.28	Supplying and filling in plinth with hard muram/hard copra under floors including watering ramming consolidating in layers not exceeding 20cm in depth and dressing complete. For Room filling	1	14.95	9.40	0.80	112.42	cum.	471.00	52952.00
9	2.27	Supplying and filling in plinth with crusher stone dust / coarse sand under floors including, watering, ramming consolidating in layers not exceeding 20cm in depth and dressing complete For Room filling	1	14.95	9.40	0.15	21.08	cum.	672.00	14165.00
10	2.32	Preconstruction antitermite treatment to the building under construction by providing Stage 1: Treating the bottom and the sides (upto 30cm high of the excavated trench @ 5 litter per sqm of the surface area. Stage 2: After masonry/RCC work, the backfill in the immediate contact with the foundation structure treatment @ 7.5 litter per sqm. of the vertical surface of the substructure for each side. Stage 3: surface treatment by spreading emulsion over the plinth area before laying the base concrete under floors @ 5.0 litres/Sqm. Stage 4: Pumping the emulsion in plinth masonry on filling side at floor junction @ 7.5 litres/Sqm. Stage 5: Pumping the emulsion from outer side of the plinth below ground around the masonry @ 5.0 litres/Sqm as per I.S. 8944 Emulsion. (1Chlorpyrifos: 19 water) with five years service guarantee (Measurements to be taken for plinth area) Note – Treatment should start when foundation trenches and pits are ready to take bed concrete or leveling course in foundations. Laying of bed concrete should start when the chemical emulsion has been absorbed by the soil and the surface is reasonably dry. Treatment should not be carried out when it is raining or when soil is wet with rain or subsoil water. This also applies to filled up soil within the plinth area before laying the subgrade for flooring.	1	14.95	9.40		140.53	sqm	136.00	19112.00
11	4.17	Making plinth protection 50mm thick of cement concrete grade M10 over 75mm bed of dry metal ballast 40mm nominal size well rammed and consolidated and filled with sand including finishing the top smooth (with 20mm nominal size graded stone aggregate.) (17.35+17.35+11.70+11.70)	58.10				58.10	sqm	351.00	20393.00

		Total Amount (Part-A)								764684.00
		PART- B ABOVE PLINTH LEVEL								

1	5.2	Reinforced cement concrete work (with 20mm nominal size graded stone aggregate) in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, posts and struts etc. above plinth level and up to floor two level excluding cost of centering, shuttering, finishing and reinforcement :								
	5.2.1	M 20 –Grade Concrete								
		Col above plinth level up to bottom of Slab Beam	22	0.20	0.40	2.90	5.10			
		Window	1x3	0.20	0.20	15.00	1.80			
			1	3.50	0.20	0.20	0.14			
		Chajja	1x2	15.35	0.45	0.10	1.38			
		Slab Beam	1	3.50	0.40	0.10	0.14			
		Horizontal	1x4	15.35	0.20	0.28	3.44			
		Vertical	1x6	9.30	0.20	0.28	3.12			
		Slab	1	15.75	9.70	0.12	18.33			
		S.T. Slab	1	3.00	1.80	0.10	0.54			
							34.00	cum	5202.00	176868.00

Sl. No.	Item no.	PARTICULARS	No.	L	B	H	Qty	Unit	Rate	Amount
2	5.16	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding including cost of binding wire up to floor two level including all wastage etc. complete.								
	5.16.6	Thermo-Mechanically Treated bars.(TMT)								
		Total Qty of R.C.C as per Item no. 1								
		34.00 CumX113 kg/Cum					3842.00	Kg	54.00	207468.00
3	5.9	Centering and shuttering including strutting, propping etc. and removal of form for :								
	5.9.3	Suspended floors, roofs, landings, balconies and access platform.								
		For cols Above PL	22	1.20	2.90		76.56			
		Up to bottom of floor beam								
		Chajja	1x3	15.05	0.20		9.03			
			1	3.50	0.20		0.70			
		Chajja	1x3	15.35	0.45		20.72			
		Slab beam side	1x3x2	15.35	0.28		25.79			
		Vertical	1x6x2	0.28	9.70		32.59			
		Slab Bottom	1	15.35	9.70		148.90			
		Slab Side	1x2	15.35	0.12		3.68			
			1x2	9.70	0.12		2.33			
							320.30	sqm	264.00	84559.00
4	6.6	Brick work with well brunt open bhatta, bricks, crushing strength not less than 25kg / cm ² and water absorpt ion not more than 20% in superstructure above plinth level and up to floor two level i/c curing etc complete.								
	6.6.2	Cement Mortar 1:6 (1 cement : 6 sand)								
		Long wall	1x3	15.35	0.20	2.90	26.71			
		X wall	1x5	9.50	0.20	2.90	27.55			
							54.26			
		Deduction								
		Door	1x7	1.00	2.10	0.20	2.94			
			1x7	0.90	2.10	0.20	2.65			
		W	8	1.20	0.20	1.20	2.30			
		V	3	0.60	0.20	0.45	0.16			
							8.05			
		Net Qty					46.21	cum	4350.00	201014.00
5	6.14	Providing half brick masonry with well burnt open bhatta bricks crushing strength not less than 25 kg /cm ² and water absorption not more than 20% in superstructure above plinth level and up to floor two level								
	6.14.2	Cement mortar 1:4 (1 cement : 4 sand)								
		Late Bath Wuy	1	1.20	2.10		2.52			
			1	1.20	2.10		2.52			
			1	2.40	2.10		5.04			
			1	1.60	2.10		3.36			
			1	1.20	2.10		2.52			
			1	1.10	2.10		2.31			
							18.27	sqm	522.00	9537.00
6	6.18	Extra for providing and placing in position 2 Nos. 8mm dia. M.S. bars at every third course of half brick masonry.								
		Qty Same as Above item no 5					18.27	sqm	127.00	2320.00
7	13.8	6 mm cement plaster of mix :								
	13.8.1	1:3 (1 cement : 3 sand)								
		Kitchen	1	3.30	2.00		6.60			
			1	4.00	2.00		8.00			
		Waiting	1	4.30	3.20		13.76			
		Room (1)x(2)	1x2	3.00	3.50		21.00			
		Labour Room	1	4.00	3.30		13.20			
		Toilet	1	2.50	1.20		3.00			
			1	2.40	1.20		2.88			
			1	1.50	1.20		1.80			
			1	1.80	1.20		2.16			
		Ward	1	4.35	3.30		14.36			
		Varanda	1	2.00	6.20		12.40			
		Clinic	1	3.00	2.50		7.50			
		Beam Sides	4x2	14.00	0.28		31.36			
		Vertical	1x6x2	9.40	0.28		31.58			
							169.60	sqm	96.00	16282.00

Sl. No.	Item no.	PARTICULARS	No.	L	B	H	Qty	Unit	Rate	Amount
8	10.13	Providing and fixing pressed steel door frames conforming to IS: 4351 manufactured from commercial mild steel sheet including hinges, jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x25mm, or base ties of 1.60 mm pressed mild steel welded or rigidly fixed together by mechanical means, including M.S. pressed butt hinges, 2.5mm thick with mortar guards, lock strike-plate and shock absorbers as specified filling the frame with Cement Concrete 1:3:6 at site before fixing (cost of concrete to be paid separately) and applying a coat of approved steel primer after pre-treatment of the surface as directed by Engineer-in-charge: 10.13.4 Profile B of 1.25mm thick single rebate of size 80mmx50mm 10.13.4. Fixing with adjustable lugs with split end tail to each jamb. Door frame Size 2.10x1.00 L- 2.10+2.10+1.00= 5.20 Door 8x5.20m = 41.60 Door Size 2.10 x 0.90 L- 2.10+2.10+0.90= 5.10 Door 07x 5.10 m = 35.70 Net Qty = 77.30								
							77.30	meter	355.90	27511.00
9	10.22	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. 10.22.2 In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works. For Windows size 1.20x1.20 W W V 13.41 Sqm @ 35.80 Kg/Sqm = 480.07 Kg	8 1 3	1.20 0.90 0.45	1.20 1.20 0.60		11.52 1.08 0.81 13.41	Sqm Kg		
							480.08		85.10	40855.00
10	9.19	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 of such as duro board, century or equivalent make. 9.19.1 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws.	1x8 1x5	2.05 2.05	0.95 0.80		15.58 8.20 23.78	sqm	2423.00	57619.00
11	13.2	15 mm cement plaster on the rough side of single or half brick wall of mix 1:6 (1 cement : 6 sand) Outer Plaster Chhaja	1x2 1x2 1x2 1x2	15.35 9.70 15.35 9.70	4.00 4.00 1.30 1.30		122.80 77.60 39.91 25.22 265.53	sqm	128.00	33988.00
12	13.1	12 mm cement plaster of mix : 1:6 (1 cement : 6 sand) For Labour Room Long wall Toilet Long wall Ward Long wall Clinic Waiting L- wall X- wall Room (1)x(2) L- wall X- wall Kitchen L- wall X- wall Toilet front wall	1x2 1x2 1x2x2 1x2x2 1x2 1x2 1x2 2 2 2x2 2x2 1x2 1x2	4.35 3.30 1.20 2.50 4.35 3.30 3.00 2.50 4.30 3.20 3.50 3.00 4.00 2.00	2.10 2.10 0.30 0.30 2.10 2.10 3.10 3.10 3.10 3.10 3.10 3.10		18.27 13.86 1.44 3.00 18.27 13.86 18.60 15.50 26.66 19.84 43.40 37.20 24.80 12.40			

Sl. No.	Item no.	PARTICULARS	No.	L	B	H	Qty	Unit	Rate	Amount
		L- wall	1x1	3.50	3.10		10.85			
		X- wall	1x2	1.10	3.10		6.82			
		W.C wall	1x2	1.90	0.30		1.14			
			1x2	1.20	0.30		0.72			
		Bath	1x2	1.50	0.30		0.90			
			1x2	1.20	0.30		0.72			
		Kitchen	1x2	3.30	3.10		20.46			
			1x2	2.00	3.10		12.40			
		Varanda L-wall	1x2	6.00	3.00		36.00			
		X- wall	1x2	2.00	3.10		12.40			
							369.51			
		Deduction								
		W	1/2x6	1.20	1.20		4.32			
			1/2x1	0.90	1.20		0.54			
		D	1/2x6	1.00	2.10		6.30			
			1/2x4	0.80	2.10		3.36			
		W.C wall					14.52			
		Net Qty 369.51-14.52					354.99			
		Chajja	1x2	15.35	1.30		39.91			
			1x2	9.70	1.30		25.22			
							420.12	sqm	110.00	46213.00
13	11.88	Providing and laying vitrified floor tiles in (with out solublesalt) or Printed (with solublesalt) nano polised (glosifinh) in different sizes with water absorption's less than 0.08% and conforming to IS : 15622 of approved make in all colours and shades, first quality primum in flooring laid on 20mm thick cement mortar 1:4 (1 cement : 4 sand) 11.88.1 plain ivory light shade.								
	11.88.1	Size of Tile 600x600x9-10 mm								
		Room (1)X (2)	1x2	3.00	3.50		21.00			
		Skirting	1x2	12.00	0.10		2.40			
		Labour Room	1	4.35	3.30		14.36			
		Dedo on wall	1x2	4.35	1.30		11.31			
			1x2	3.30	1.30		8.58			
		Kitchen	1	4.00	2.00		8.00			
		On Plaster	1	3.30	2.00		6.60			
		Skirting	1x2	2.00	0.60		2.40			
			1x2	3.50	0.10		0.70			
		Room (3)	1	4.00	2.40		9.60			
		Skirting	1	12.80	0.10		1.28			
							86.23	sqm	850.00	73296.00
15	11.45	Providing and laying Ceramic glazed floor tiles 300x300 mm or more (having thickness 6 to 7mm) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick Cement Mortar 1:4 (1 Cement : 4 sand) including pointing the joints with white cement and matching pigment etc., complete.								
		for toilet	1	2.50	1.20		3.00			
			1	2.50	1.20		3.00			
		W.C	1	1.20	1.90		2.28			
			1	1.20	1.60		1.92			
							10.20	sqm	620.00	6324.00
16	11.46	Providing and fixing Ceramic glazed wall tiles 300x450 mm or more (having thickness 6 to 7 mm) of 1st quality conforming to IS : 15622 of approved make in all Colours shades, Except burgundy, Bottle green, Black, laid on 12mm thick bed of Cement Mortar 1:3 (1 Cement : 3 sand) jointed with grey cement slurry @3.3 kg per sqm including pointing the								
		L. wall	1x2x2	2.50	1.80		18.00			
			1x2x2	1.20	1.80		8.64			
		W.C.	1x2	1.90	1.80		6.84			
			1x2	1.20	1.80		4.32			
		Bath	1x2	1.60	1.80		5.76			
			1x2	1.20	1.80		4.32			
		Infront of toilet	1	3.50	1.10		3.85			
							51.73	sqm	663.00	34297.00
17	6.5	Brick work with well brunt open bhatta, bricks, crushing strength not less than 25kg /cm ² and water absorpt ion not more than 20% in foundation and plinth i/c curing etc complete.								
	6.5.1	Cement mortar 1:4 (1 cement : 4 sand)								
		Long Wall	1x2	2.80	0.20	2.20	2.46			
		X wall	1x2	1.40	0.20	2.20	1.23			

Sl. No.	Item no.	PARTICULARS	No.	L	B	H	Qty	Unit	Rate	Amount
							3.70	cum	4347.00	16067.00
18	13.5	15 mm cement plaster on rough side of single or half brick wall finished 13.5.2 1:4 (1 cement : 4 sand) S.T Inner Side Plaster L. Wall X. Wall Bottom	1x2 1x2 1	2.40 1.40 2.40	2.20 2.20 1.40		10.56 6.16 3.36			
							20.08	sqm	171.00	3434.00
20	11.34	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 sand) : 11.34.1 25 mm thick. Clinic Skirting Waiting Skirting Ward Dedo Varanda For Kitchen Plate form	1 1 1 1 1 1x2 1x2 1 2	3.00 11.00 4.30 14.00 4.35 4.35 3.30 6.00 2.00	2.50 0.10 3.20 0.10 3.30 1.30 1.30 2.00 0.60		7.50 1.10 13.76 1.40 14.36 11.31 8.58 12.00 2.40			
							72.41	sqm	765.00	55390.00
21	10.3	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2mm and braced with flat iron diagonals 20x5mm size with top and bottom rail of T-iron 40x40x6mm with 40mm dia steel pulleys complete with bolts, nuts, locking arrangement, stoppers,handles, including applying a priming coat of approved steel primer. Rate includes recess cutting in floor and making good the same wherever required. Chhanel Gate	1	1.80	2.10		3.78	sqm	4131.90	15619.00
22	11.75	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M-30 grade made by block making machine with strong vibratory compaction, of approved size, design and shape, laid in required colour and pattern over and including 50mm thick compacted bed of stone dust, filling the joints with sand etc. all complete as per the direction of Engineer-in-charge. Front of Building SHC	1	10.00	4.50		45.00	sqm	586.00	26370.00
24	13.47	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade 13.47.1 New work (two or more coats) over and including water thinnable priming coat with cement primer. Qty same as inner plaster Qty of Slab bottom plaster					420.12 169.60 589.72			
								sqm	60.00	35383.00
25	13.55	Finishing walls with Acrylic Smooth exterior paint of required shade: 13.55.1 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 Qty same as outer plaster					265.53	sqm	87.00	23101.00
26	13.68	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : 13.68.1 Two or more coats on new work For Doors Window C.G. V	1x6x2 1x4x2 1x6x2 1x2x2 1x2 1x3x2	2.10 2.10 1.20 0.90 1.80 0.75	1.00 0.90 1.20 1.20 2.10 0.45		25.20 15.12 17.28 4.32 7.56 2.03			
							71.51	sqm	53.00	3790.00
27	22.14	Grading roof for water proofing treatment with 22.14.2 Cement mortar 1:3 (1 cement : 3 sand)	1	15.50	9.70	0.05	7.52	cum	7308.00	54938.00

Sl. No.	Item no.	PARTICULARS	No.	L	B	H	Qty	Unit	Rate	Amount
28	5.24	Providing for plaster drip course/ groove in plastered surface or moulding to R.C.C. projections.	1				70.00	RM	18.50	1295.00
		Total Amount (PART-B)								1253538.00
		PART- C SANTARY WORKS								
1	18.49	Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI : 12701 marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow					1500.00	per litre	7.00	10500.00
2	18.7	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer Internal work - Exposed on wall								
	18.7.1	15 mm nominal outer dia .Pipes.	1	25.00			25.00	metre	129.00	3225.00
	18.7.2	20 mm nominal outer dia .Pipes.	1	25.00			25.00	metre	153.00	3825.00
3	18.8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes and fittings with one step CPVC Concealed work including cutting chases and making good the walls etc.,								
	18.8.1	15 mm nominal outer dia .Pipes.	1	20.00			20.00	metre	207.00	4140.00
	18.8.2	20 mm nominal outer dia .Pipes.	1	30.00			30.00	metre	234.00	7020.00
4	18.50	Providing and fixing brass bib cock of approved quality :								
	18.50.1	15 mm nominal bore	1	10.00			10.00	each	306.00	3060.00
5	18.51	Providing and fixing brass stop cock of approved quality :								
	18.51.1	15 mm nominal bore	1	4.00			4.00	each	318.00	1272.00
6	17.14	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS 13983 with C.I. brackets and stainless steel plug 40 mm including painting of fittings and brackets, cutting and making good the walls wherever necessary								
	17.14.2	Kitchen sink without drain board								
	17.14.2	610x460 mm bowl depth 200 mm.	1	2.00			2.00	each	4351.00	8702.00
7	17.11	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 necessary								
	17.11.4	White Vitreous China Flat back wash basin size 550x400 mm with single 15 mm C.P. brass pillar tap.	1	4.00			4.00	each	1664.00	6656.00
8	17.1	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100mm sand cast Iron P or S trap, uPVC P or S trap, 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	White Vitreous china Orissa pattern W.C. pan of size 580x440mm with integral type foot rests.	1	3.00			3.00	each	2995.00	8985.00
9	19.6	Providing and laying cement concrete 1:3:6 (1 cement : 3 sand : 6 graded stone aggregate 20 mm nominal size) up to haunches of PVC. pipes including bed concrete as per standard design :								
	19.6.1	110 mm diameter PVC. pipe	1	15.00			15.00	RM	274.00	4110.00

Sl. No.	Item no.	PARTICULARS	No.	L	B	H	Qty	Unit	Rate	Amount
10	19.5	Providing and laying cement concrete 1:3:6 (1 cement : 3 sand : 6 graded stone aggregate 20 mm nominal size) all-round PVC. pipes including bed concrete as per standard design:								
	19.5.1	110 mm diameter PVC. pipe	1	12.00			12.00	RM	576.00	6912.00
11	19.9	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 sand) R.C.C. top slab with Cement Concrete 1:2:4 mix (1 cement : 2 sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 sand : 8 graded stone aggregate 40mm nominal size) inside plastering 12mm thick with cement mortar 1:3 (1 cement : 3 sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 sand : 4 graded stone aggregate 20mm								
	19.9.1	Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions total weight of cover and frame to be not less than 38 kg (weight of cover 23								
	19.9.1.	With Sewer bricks conforming to IS : 4885	4				4.00	each	7747.00	30988.00
12	17.57	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors :								
	17.57.1	100 mm inlet and 100 mm outlet								
	17.57.1	Sand cast iron SandS as per IS: 3989.						each	825.00	
	.1		6				6.00			4950.00
13	19.7	Providing and fixing square-mouth S.W. gully trap class SP1 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 :								
	19.7.1	100x100 mm size P type								
	19.7.1.	With well burnt bricks	3				3.00	each	1764.00	5292.00
14	17.59	Providing and fixing unplasticised PVC moulded fittings/ accessories for unplasticised Rigid PVC soil and waste pipes conforming to IS: 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.								
	17.59.4	Single tee without door								
	17.59.4	110x110x110 mm	2				2.00	each	266.00	532.00
	.2	17.59.5 Bend 87.50								
	17.59.5	110 mm bend	2				2.00	each	172.00	344.00
	.2									
		Total Amount (Part-C)								110513.00
		Total Amount (Part-A+B+C)								2128735.00

Sub Engineer
Joint Director , Health Services,
Bhopal

Assistant Engineer
Joint Director , Health Services,
Bhopal

**ESTIMATE FOR DRILLING OF TUBE WELL (150/125 mm) dia AT SUB HEALTH CENTER
AP PER PHE SOR**

S.N.	Sor No.	ITEM DESCRIPTION	Units	Rate	Qty.	Amount
1	1	Carrying out the resistivity survey by VES method using Schlumberger successful configuration for locating the proper spot with three soundings for drilling of tube well within the selected habitation, including photography, interpretation of resistivity data and submission of report in the desired format along with resistivity readings, necessary graph and photographs.	Per point	1460	3.00	4380.00
2	3	Drilling of perfectly vertical bore hole of a diameter suitable to receive 150 mm nominal diameter casino, pipe upto desired depth below ground level inclusive of the labour charges for transporting, lowering and fixing of 150 mm nominal diameter M.S/ G.I / U.P.V.C casing pipe inside the bore hole including all works pertaining to drilling such as transportation, installation and removal of drilling machine etc. complete.				
	(a)	in all types of collapsible strata consisting of soils, clays, sand, moorum, gravel, boulders etc.	Meter	521	41.00	21361.00
	(h)	in all types of rocks.	Meter	626	133.00	83258.00
3	8	Providing and fixing of well cap on top of the tube well for protection M.S. Caps -				
	(c) 1	50 min dill.	each	205	1.00	205.00
4	7	I.S.I. marked UPVC casing Pipe Confirming to IS 12818/92 (with up-to-date amendments) Screen pipes with ribs 150 Inln dia	Meter	627	27.00	16929.00
5	2	Conducting the yield test of tubewell by operating the pumping set continuously for a desired time period and measuring the discharge and drawdown of tubewell at a suitable time interval as per the direction of Engineer in Charge including cost of energy, cost of installation of suitable measuring device and hire charges of pumping set etc. complete				

S.N.	Sor No.	ITEM DESCRIPTION	Units	Rate	Qty.	Amount
	(h)	Submersible pumping set above 2.2 kW to 7.5 kW	Per hour	434	6.00	2604.00
6	5	ISI Mark 32 mm. dia. G.I. riser pipe in meter length socketed on one end as per I.S. 1239 (Part I) 1 990 up-to-date amendments and socket as per I.S. 2062/1990 up-to-date amendment.	3 Meter	175	60.00	10500.00
7	1	ISI mark India mark-II deep well hand pump complete with 10 Nos. MS connecting rods. (12 mm x 3M long) Normal stand assembly.	Each	6120	1.00	6120.00
8	1	Labour charges for installation of India Mark II Hand Pump with 30 meter long 32 mm dia. riser pipe assembly and all other accessories including transportation of Hand Punip from specified departmental stores to site.	Each	540	1.00	540.00
9	5	Construction of cement concrete platform as per design around the hand pump in 1:2:4 cement concrete including excavation, centering, shuttering, cost of all the materials and labour and curing etc complete. Including filling in 30 cm depth after removing Black cotton soil including ramming, watering etc. complete in areas of Black cotton soils.	Each	3600	1.00	3600.00
10	7	Construction of cement concrete drain as per design in 1 :2:4 cement concrete including excavation, centering, shuttering, cost of all the materials and labour and curing etc complete. Including filling in 30 cm depth after removing Black cotton soil including ramming, watering etc. complete in areas of Black cotton soils.	meter	424	6.00	2544.00
11	9	Construction of 1.20 m x 1 .20 m x 0.20 m cement concrete washing platform in cement concrete 1 :2:4 including excavation, centering, shuttering, cost of all the materials and labour and curing etc. complete. Including filling in 30 cm depth after removing Black cotton soil including ramming, watering etc. complete in areas of Black cotton soils.	Each	1523	1.00	1523.00
12	1 0	Construction of sokage pit of 70 cm dia. and 1 .0 m deep including excavation, brick lining at top in 1:4 cement mortar, filling of broken bricks				

S.N.	Sor No.	ITEM DESCRIPTION	Units	Rate	Qty.	Amount
		etc. and cost of all the materials and labour and curing etc complete.	Each	419	1.00	419.00
13	27.21	Supplying & Installation of required capacity of single phase, 50 Hz, 220V, deep well submersible pump Stainless Steel body, as per IS of approved Make, suitable for 4"/6" tube well with control panel starter suitable for submersible pump with dry run protection, connections, including clamps, bore cap etc. as required as per specification but excluding pipe, SS/Nylon wire rope and connection cable				
	27.21.3.4	2 H.P. with 20 to 22 stages, Head Mt 147-42 Discharge LPM 15-55	Each	31271	1.00	31271.00
14	27.23	Supplying and laying of submersible flat cable ISI marked 3 core copper wire of suitable size with propre clamping of approved make.				
	27.23.2	4.0 Sq.mm multi strand	Per mtr	185	75.00	13875.00
15	27.25	Supplying and laying of approved make Nylon rope 12 mm thick complete with binding for support of pump and motor.	Per mtr	75	71.00	5325.00
		TOTAL AMOUNT Rs.				204454.00
		Say Amount Rs.				204450.00

DETAILED ESTIMATE FOR CONSTRUCTION OF BOUNDARY WALL WITH GATE

Sl. No.	Item no.	PARTICULARS	No.	L	B	H	Qty	Unit	Rate	Amount
1	2.6	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth. 1.5m in width as well as 10 sqm on plan) including dressing of sides and ramming of bottom disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed. (No extra lift is payable if work is done by mechanical means)								
		All kinds of soil								
		col pits	5	1.00	1.00	1.20	6.00			
							6.00	cum.	129.00	774.00
2	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :								
	4.1.2	With 40mm nominal size graded stone aggregate.								
	4.1.2.2	Nominal Mix -1 Cement : 3 sand : 6 graded stone aggregate (M 10)								
		Col footing Base conc	5	1.00	1.00	0.10	0.50			
							0.50	cum	3808.00	1904.00
3	5.1	Providing and laying in position specified grade of reinforced cement concrete (with 20mm nominal size graded stone aggregate) excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :								
	5.1.1	M 20 –Grade Concrete								
		Col Footing	5	0.80	0.80	0.25	0.80			
		Col up to G.L.	5	0.20	0.30	0.85	0.26			
		Plint Beam	1	10.20	0.20	0.30	0.61			
							1.67	cum	5091.00	8487.00
4	5.9	Centering and shuttering including strutting, propping etc. and removal of form for :								
	A	5.9.1 Foundations, footings, bases of columns, etc. for concrete up to plinth level.								
		For Footing sides	5x2	1.60		0.25	4.00			
		Col up to G.L.	5x2	0.50		0.85	4.25			
							8.25	sqm	174.00	1436.00
	B	5.9.2 Walls (any thickness) including attached pilasters butteresses, plinth beams and string courses etc.up to plinth level.								
		Sides	1x2	10.20		0.30	6.12			
							6.12	sqm	267.00	1634.00
	C	5.9.3 Suspended floors, roofs, landings, balconies and access platform.								
		For col Sides	5x2	0.30		1.80	5.40			
							5.40	sqm	264.00	1426.00
5	5.3	Reinforced cement concrete work (with 20mm nominal size graded stone aggregate) in beams, suspended floors, roofs having slope of any degree landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level and up to floor two level excluding the cost of centering, shuttering, finishing and reinforcement in concrete grade.								
	5.3.1	M 20 –Grade Concrete								
		col Above G.L.	5	0.20	0.30	1.80	0.54			
		Coping	1	10.20	0.20	0.05	0.10			
							0.64	cum	5284.00	3392.00
6	5.16	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding including cost of binding wire up to floor two level including all wastage etc. complete.								
	5.16.6	Thermo-Mechanically Treated bars.(TMT)								
		Take as 80 kg/sqm (1%)								
		Total Qnty of R.C.C as per Item no. 3 and 5								
		2.31 sqmX80 kg/Sqm					184.80	Kg	54.00	9979.00
7	6.6	Brick work with well brunt open bhatta, bricks, crushing strength not less than 25kg / cm ² and water absorpt ion not more than 20% in superstructure above plinth level and up to floor two level i/c curing etc complete.								
	6.6.2	Cement Mortar 1:6 (1 cement : 6 sand)	1	9.60	0.20	1.80	3.46	cum	4350.00	15034.00

Sl. No.	Item no.	PARTICULARS	No.	L	B	H	Qty	Unit	Rate	Amount
8	13.1	12 mm cement plaster of mix :								
	13.1.2	1:6 (1 cement : 6 sand)								
		Inner side	1	10.20		1.80	18.36			
							18.36	sqm	110.00	2020.00
9	13.2	15 mm cement plaster on the rough side of single or half brick wall of mix								
	13.2.2	1:6 (1 cement : 6 sand)	1	10.20		2.00	20.40			
							20.40	sqm	128.00	2611.00
10	13.49	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade:								
	13.49.1	Two or more coats on new work								
		Qnty of Item no. 8 + Item no. 9					38.76	sqm	64	2481.00
		Total Amount								51178.00
		Rate for 10.00 Meter Boundary Wall								5117.80
		So for 1.00 Meter Boundary Wall								5118.00
		So for 5118X80								409440.00
11	10.22	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.								
	10.22.2	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.								
		Boundary Wall Gate					170.00	Kg	85.10	14467.00
		Total Amount								423907.00

Sub Engineer
Joint Director , Health Services,
Bhopal

Assistant Engineer
Joint Director , Health Services,
Bhopal

Estimate For Providing Electrification in Sub Health Center (Delivery Point)					
S.No.	Item	Unit	Rate	Quantity	Amount
4	Point wiring (excluding metallic switch box & sheet but including switches, sockets, lamp holders/ceiling roses etc) with 1.5 Sq. mm. PVC insulated cable FR with copper multi strand conductor ISI marked in concealed rigid P.V.C. conduit (HMS) ISI Marked of suitable size and 1.5 Sq. mm. PVC insulated copper earth continuity conductor of green colour inside conduit etc. as required as per specification for :-				
4.1	<u>Light Point/Fan Points.</u>				
	a) Short point	11	Each	394.00	4334.00
	b) Medium point	15	Each	671.00	10065.00
	c) Long point	19	Each	1083.00	20577.00
4.2	<u>3 Pin 6 Amp socket outlet on Separate Board</u>				
	c) Long point	6	Each	1192.00	7152.00
4.3	<u>Call Bell / Buzzer Points</u>				
	c) Long point	1	Each	983.00	983.00
4.5	Point wiring (excluding metallic switch box & sheet but including switches, sockets) for 3 pin 6 Amp. Socket outlet point with 1.5 Sq. mm. PVC insulated cable FR with copper multi strand conductor ISI marked in concealed rigid P.V.C. conduit (HMS) ISI marked of suitable size and 1.5 Sq. mm. PVC insulated copper earth continuity conductor of green colour inside conduit with required materials as per specification on same board .	17	Each	285.00	4845.00
4.6	Wiring for circuit wiring with PVC insulated cable FR with copper multi strand conductor ISI marked in concealed rigid P.V.C. conduit (HMS) of ISI marked suitable size etc. as required as per specification				
	a) 2x2.5 Sq.mm.	25	Meter	117.00	2925.00
	b) 4x2.5 Sq.mm.	20	Meter	176.00	3520.00
	c) 6x2.5 Sq.mm.	20	Meter	225.00	4500.00
	d) 8x2.5 Sq.mm.	10	Meter	277.00	2770.00
9.1	Point wiring (excluding metallic switch box & sheet) for 3 Pin 16 Amp. Socket Outlet Point With 4 Sq. mm. PVC insulated cable FR with copper multi strand conductor ISI marked in Concealed rigid P.V.C.Conduit (HMS) ISI Marked of suitable size etc. with 16 Amp. F.T. Switch & Socket / S.S.Combined 6/16 Amp. of ISI Marked and 4 Sq. mm. PVC insulated copper earth continuity conductor of green colour inside conduit as per specification for :-				
	<u>On Separate Board</u>				
	C. Long Point	3	Each	1930.00	5790.00
	D. Extra Long -I	3	Each	2643.00	7929.00
18.2	Supplying and fixing of approved make modular type metal box with modular frame/ base plate and cover plate including fixing in concealed / surface excluding switch,socket etc. as required for:-				
18.2.2	3 Module	8	Each	208.00	1664.00

S.No.	Item	Unit	Rate	Quantity	Amount
18.2.4	6 Module	6	Each	326.00	1956.00
18.2.6	12 Module	11	Each	487.00	5357.00
19	Supplying and drawing single core PVC insulated cable FR with copper multi strand conductor ISI marked in existing rigid PVC Casing-N-Capping / conduit in surface or concealed as per specification.				
19.2	1 X 2.5 sq mm				
19.2.1	(a) 1 X 2.5 sq mm	75	Meter	30.00	2250.00
27.5	Supplying of ISI Marked and accepted standard of Miniature Circuit Breaker (MCB) of 'C' series suitable for 240/415 Volts, 50 Cycle , 10 kA Value AC supply confirming to IS : 8828 : 1996, IEC : 60898 :2002 but without enclosures :-				
27.5.1	SINGLE POLE (SP)				
27.5.1.2	6 Amp to 32 Amp Rating	18	EACH	205.00	3690.00
27.6	Supplying of MCB Isolators suitable for 240/415 Volts, 50 Hz AC supply with KA value rating 10 kA of approved make confirming to IS :13947-Part III : 1993 & IEC :60947- 3:2001 (without enclosures) :-				
27.6.4	FOUR POLE				
27.6.4.1	40 Amps.	1	Each	880.00	880.00
27.8	Supplying of approved make TPN MCB DB Metal Double Door IP 43 protection with provision for FP MCB/Isolator/RCCB/RCBO as incomer and SP MCBs as outgoing inclusive of Busbar, Neutral bar, Earth bar & two earth terminals etc. complete as per IS:13032(exclusive of MCB & isolator):				
27.8.3	6 way (8+18)	1	Each	3650.00	3650.00
28.4	Fixing of MCB /MCCB/ Isolator in sheet steel enclosure as required as per accepted practice, including mounting on busbar and cable connection etc. complete (Labour only)				
28.4.1	MCB / Isolator SP/DP	18	EACH	11.00	198.00
28.4.2	MCB /MCCB Isolator TP /TPN/FP				
		1	EACH	22.00	22.00
28.7	Labour charges for fixing sheet steel enclosures, MCB DB flush mounting type, as per accepted practice, duly embedded and end plate completely flushed in wall, cable connection etc.complete :-				
	FOR S.No :-				
28.7.1	27.7.1 to 27.7.7 ; 27.8.1 to 27.8.3 & 27.9.1,	1	Each	232.00	232.00
29.3	Supplying and fixing as per specification Call bell / buzzer of approved make with necessary materials complete.				
29.3.2	Ding Dong bell	1	EACH	107.00	107.00
29.23	Supplying,Fixing and Testing of Compact Flourescent Lamp (CFL) with inbuilt electronic ballast ISI marked BC / ES cap of approved make as required as per specification				
29.23.8	26 Watt	12	Each	288.00	3456.00

S.No.	Item	Unit	Rate	Quantity	Amount
29.31	Supplying and fixing of approved make step type Modular electronic Fan regulator including connection etc. as required on existing board				
29.31.2	100 Watt (2 module)	8	Each	689.00	5512.00
30.1	Supplying, erection and testing of approved make electric Ceiling fan of double ball bearing complete with standard down rod, canopy, hanging shackle, Aluminium blades, without regulator, A.C. 230-250 volts including connections with all necessary material complete of approved as required confirming to IS :374/1979 with upto date ammendments.				
30.1.1	Ceiling Fan (5 star & ISI)-1200 mm Sweep	8	Each	2276.00	18208.00
30.6	Supplying, erecting and testing of approved make Exhaust Fan heavy duty with mounting frame, blades AC 230-250 complete connection and including, frame bolt/ Anchor hole fastners etc. complete finished of approved as required.				
30.6.1	300mm sweep 900 RPM	5	Each	2918.00	14590.00
31.3	Supplying, fixing & testing of approved make T- 5 lamp channel luminaire with epoxy white powder coated CRCA sheet steel housing box type channel with reflector cover including electronic ballast (HF), PF > 0.95, THD <30% complete duly wired (with tube rod) as per specification & fixing as below:				
31.3.1	I) Fixing on wall/Ceiling on PVC plate Anchor fastners and other necessary materials including connections etc. and as required.	12	Each	1172.00	14064.00
31.19	Supplying, fixing & testing of approved make of low watt CFL roadway / street light luminaire with epoxy powder coated sheet aluminium / steel housing with epoxy white powder coated CRCA sheet steel gear tray, electronic ballast (HF), PF > 0.95, THD <30%, clear acrylic cover with necessary materials connection including mounting with GI pipe Light 'A' class 25/32mm OD, clamps on existing wall / pole etc. complete as required (without lamp)				
31.19.1	CFL 1 X 36 watt	4	Each	1941.00	7764.00
25.3	Supplying of ISI Marked Switch Fuse Unit (rewirable type) triple pole with neutral link ,415 Volt having conduit / cable gland entry with two earthing terminals confirming to IS : 13947(Part I & III) .				
25.3.3	63 Amps.	1	Each	3385.00	3385.00
28.2	Fixing of metal clad enclosure on 25X 25 X 5 mm angle iron clamps including supplying and fixing of clamps as required duly embedded in masonry including cable connection and other required material as per specification :-				
28.2.1	Fixing of 63 Amps TP or TPN main switches/ DB 63 Amps. 240/415 Volt 4 to 8 way or 63 Amps change over switch /63 Amps 415 Volt Isolator /30 Amps 415V TPN DB upto 6 way per pole and busbar 4 way	1	Each	266.00	266.00

S.No.	Item	Unit	Rate	Quantity	Amount
32.5	Providing and fixing circular/Hexagonal cast iron or M.S.sheet box for ceiling fan clamp of internal dia 140mm, 73mm height, top lid of 1.5mm thick M.S. sheet with its top surface hacked for proper bonding, top lid shall be screwed into the cast iron/M.S. sheet box by mean of 3.3mm dia. round headed screws, one lock at the corners. Clamp shall be made of 12mm dia M.S. bar bent to shape as per standard drawing.	6	Each	140.00	840.00
37.3	Earthing with G.I. Earth plate 600mm X 600mm X 6mm thick including accessories and providing masonry encloser in cement mortor, cover plate having locking arrangment on the top and G.I. watering pipe 20mm dia 2.7 Metre long etc. (but without charcoal or coke and salt) complete as required.	1	Each	2951.00	2951.00
37.5.1	Add Extra for using salt and charcoal / coke for G.I. Plate or Copper plate earth electrode as required including excavation & refilling.	1	Each	1841.00	1841.00
37.7	Supplying and laying 6SWG (5.6mm) G.I. wire at 0.5 Metre below ground level as conductor earth electrode including soldering etc. as required.	20	meter	23.00	460.00
41.1	Supply of XLPE Insulated power cable (confirming IS-7098 Part-I) 1100 Volt grade, 1 core /2 core /3½ core/4 core ISI MARKED with Alu. Stranded /solid conductor				
41.1.8	3½ CORE ARMoured				
41.1.8.1	25 Sq.mm	100	Meter	252.00	25200.00
41.50	Laying of underground cable armoured./ unarmoured as per specification in air suspended on existing approved type of iron clamps, G.I wire 7/1.6mm & shackle insulator / insulated strip complete.				
41.50.2	1 / 2 / 3 / 3½ / 4 Core cable 25 Sq.mm to 120 Sq.mm	100	Meter	20.00	2000.00
42.2	Supply of support for overhead line RS joist /'H' Beam of I.S. standard including drilling of required hole etc. complete as required.				
42.2.2	R.S. Joist 175 x 85 - 19.3 kg/per metre	19	METER	1275.00	24225.00
42.13	Erection of RS Joist pole / 'H' Beam / steel tubular / steel rail pole of length 7 metres but not exceeding 10 metres in cement concrete 1:3:6 (1 cement : 3 core sand: 6 graded stone aggregate 40mm nominal size) base, foundation, muffing including exacavation and back refilling etc. as required.	2	Each	3316.00	6632.00
	Total Rs :-				226790.00
	Add MPSEB Service Charge For Connection :-				15000.00
	Grand Total Rs :-				241790.00