2

Office- The National Central Co- Operative Bank Ltd., Bettiah

समेकित सहकारी विकास परियोजना , पश्चिम चम्पारण, बेतिया

B.O.Q

Name of work- Detailed Estimate For constuction and Furnishing of Training hall with Latest Training Gazettes, Necessary furnishing, counter, fixtures furnitures etc for office of The Central Co- Operative Bank Ltd, Bettiah (west champaran) under Samekit Sahkari vikas pariyojna, paschim champaran, Bettiah

		BILL OF QUANTITY				
		ESTIMATED COST - RS - 7500000=00				
		BILL OF QUANTITY AMOUNT -RS -	No. OF ITEM TENDER	S INCLU	JDED IN	
		COST OF B.O.Q- RS-	TIME OF CO	MPLITIC	ON AS	
		EARNEST MONEY - RS-	BID PROCES	SSING F	EE	
No	SOR .No.	Items of work	Quantity	Unit	Rate	Amount
1	5.3+5.33B. 4	Reinforced cement concrete work in beams, suspended floors, roofs having slope upto 15, landings, balconiec, shelves, chajjas, lintels, bands, plain window sills, staircasees and spiral staircases upto floor five level excluding the cost of centring, shuttering, finishing & reinforcement - all work upto plinth level.				
			64.22	cum	5719.70	367314.89
2	5.2	Reinforced cement concrete work in wall (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets,columns, pillars, piers, abutments, posts and struts, etc. upt floor five level excluding cost of centring,				
	5.2.2	1:1:5:3(1 cement: 1.5 coarse sand:3 graded stone				
		aggregate 20mm nominal size)				
	-		10.64	cum	5670.00	60331.96
3	6.1A	Brick work with bricks of class designation 100A in foundation and plinth in:				
	6.1.12A+	Cement mortar 1:4(1 cement:4 coarse sand) Extra for brick work in			Section 1	
	6.3A	superstructure above iloor V level for each four			5860 1	Name and Address of the Owner, where the Owner, which is the Owner, which
	42.24	C was associated as a line of miss	91.23	cum	5890.10	-637327.21
4	13.24	6 mm cement plasterin ceiling of mix				
	13:24:02	1.4(1 cement 4 coarse sand)				
			225.01	sqm	125.60	28260.93
5	13.11	12mm cement plaster of mix:				
	13.11.4	1:4(1 cement:6 coarse sand)				
			638.42	sqm	141.50	90337.09
6	4.1.3	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) excluding the cost of nosing of steps etc. complete.				
			11.52	cum	3998.10	46051.91
7	11.36	Providing and laying ceramic glazed wall tiles in different sizes (thickness to be specified by the manufactrurer) With water absorption less than 0.08% and in all colours mortar mix with 1:4 and all complete job.		741		
			38.92	sqm	795.00	30943.68
8	11.40	Providing and laying ceramic glazed floor tiles in 300x300 mm sizes (thickness to be specified by the manufactrurer) 1st quality With water absorption less than 0.08% and in all colours mortar mix with 1:4 and all				
			14.68	sqm	1414.00	20752.68
9	11.56.1	Providing and laying polished Granite stone flooring in required design and patterns, in linear as well as curilinear portions of the building all complete as per architectural drawings withj 18 mm thick stone slab over 20 mm thich base				
15/5/1			239.14	sqm	3605.20	862142.5
10	8.3.2	Providing edge moulding to 18 mm thick Marble / Granite stone including machine polished to edge to give high gloss finish etc. complete as per design				

Providing wood work in frames of doors, windods, ,wrought and fixed in 9:11 position with hold fast lugs or with dash fasteners of required dia (Length 2053 148112.67 148/12 1.23 cum **HUNNANNA** Providing & fixing glazed shutters for dors & windows etc using 4 mm thick 991 ficet glass panes including ISI marked M.S pressed butt hinges bright finished of required size with necessary screws. 69461.60 3813.30 18.22 sqm Providing and fixing M.S. grills of requirement pattern in frames of windows etc. with M.S. flats square or round bars etc all complete fixed to steel 40315.50 144.50 279.00 kg 14 Grading roof for water treatment with cement concrete 1:2:4 .. All complete job. 12.52 3932.20 21744.49 5.53 sqm Providing & fixing stainless steel (Grade 304) railing made of hollow tubes 15 channels ,plastic etc, incliding welding grinding ,buffering , polishing and , 10.36 making curvature ...with all fittings etc all complete job. 311676.00 546.80 570.00 kg Providing and fixing 1mm thick steel doors, windows with frame of40x40x6mm 16 10.5 angle iron and 3mm MS gusset plate at junction and corner of approved make complete including applying a priming coat of approved steel primer. 8317.70 3653.00 2.28 sqm Providing & fixing False ceiling with 12 mm thick plai / or with design ceiling 17 tiles of BWP type phenol formaldehyde synthetic resin bonded pressed particle board confirming to IS:3087 finished with a coat o aluminium primer 12.60.2 on both sodes with all fittings .all complete job. 76259.82 113.67 670.90 sqm Extra for providing 3 mm thick translucent white acrylic plastic sheets of 18 approved quality in false ceiling instead of 12 mm thick plain / or with design 12.60.3 particle board ceiling tiles in item above 528.50 60073.50 113.67 sqm gnty vide item no (Providing 10 mm thick plaster of paris (Gypsum anyhydrous) ceilimg upto a 19 height of 5 m above floor level over first class kail wood strips 25x6 mm with 10 mm gap in between and reinforced with rabbit wire mesh fixed to wooden 12.61.2 frame (curved surface) 107552.60 946.20 113.67 sqm Reinforcement for RCC work including straightening, cutting, bending, placing 5.22.7 20 in position and bonding all complete (taking average rate of steel)-6mm,8mm, 10mm,12mm, 16 mm & 20 mm 727254.22 91.70 7930.80 Providing and applying plaster of paris putty of 2 mm thickness over plastered 21 surface to prepare the surface the surface even and smooth complete. 13.40A 127.90 110432.97 863.43 sam Finishing walls with textured exterior paint of required shade : new work (two 22 or more coats applied @ 3.28ltr/ 10sqm) over and including priming coat of exterior primer applied @ 2.20 kg / 10 sqm. 13.45.1 207330.59 215.20 963.43 sqm Painting with ready mixed synthetic enamel paint of approved brand and 23 13.81.3 manufacture in all shades to give an even shade: 13 94 1 11321.55 74.93 151.10 sqm New steel work (two or more coats Providing and fixing M.S.fan clamp type 1 of 16 mm dia.M.S. bar bent to 24 10.17 shape with hooked ends in R.C.C slabs during laying including painting the exposed portion of loop, all as per standard design complete 174.60 2444.40 14.00 each Centring and shuttering including strutting, propping etc. and removal of form 25 5.9 for lintel, beams, plinth beams, griders, bressumers and contilevers. 108397.52 437.50 247.77 5.9.3 111940.40 404.70 276.60 5.9.5 96940.77 196.08 494.40

5.9.6

sqm

		Carriage of materials				4	100
	10	a Bricks	45065	nos	1179.73	53164.92	
3	J	b.Coarse Sand	79.465	cum	3723.30	295871.63	1
		c.Stone chips	73.882	cum	2969.31	219379.30	
		d Local sand	0.000	cum	310.65	0.00	
		e.Cement	47.983	MT	480.08	23035.94	
		f. steel	7.931	MT	480.08	3807.43	
27		Add cost for					
		Leaves welles beard (abilipping Peard	3000 0000			0.00	
		Inauguration board / shilanyas Board	-			0.00	
-50			RS			4858717.74	
28		Extra cost for materias as per Muzaffarpur zone					
		Bricks	45065.39	thosand	362.60	16340.71	
		Cement	959.67	bag	11.69	11218.52 4886276.97	1106100
			RS			4886276.97	40010-
			RS			0	
29		Add extra cost for New GST increase 12% to 18 % (Rate as analysis of BCD 1-1-22)BCD Letter no- 5751(H) - 18-07-2023 (taking multiplying				515059	
		factor 5.36% for over all estimate)	RS	1.0536		5148181.417	
			RS			-5148181.42	515059
30			NJ			32-102021	
-		Add cost for SF @ 10% of basic rate of materias					T 1
		a Bricks	45065.39	nos	512.80	23109.53	
		b.Coarse Sand	79.46	cum	17.58	1396.99	
		c.Stone chips 20mm	51.72	cum	59.54	3079.26	
		19mm	22.16				
	-	d.Local sand		cum	65.79		
	1220		0.00	cum	14.19	0.00	-
79	1239	e. Granite	239.14	sqm	100.00	23913.86	
31	8.2.2.1	FOR Inuagration / shillapatt board)- providing & fixing 18 mm thick gang saw cut , mirror polished granite over 20 mm thick cm (1:4) with complete job.(2'x2'6"=5 sft or 0.465 sqm	0.465	sqm	4242.90	1972.95	
34	13.103	Lettering with painting of approved brand colour and manufacture 320 letter x 3.5 cm each = 1120 cm	1120.00	per letter	2.70	3024.00	
			RS	-		-5206136.23	
	1		RS				520355
	-		N3	-	Α	-2200100	2102
-	-	WATER CURN V WORKS	-				
4	18.07	WATER SUPPLY WORKS Providing and fixing Chlorinated Polyvinyl Chloride(CPVC) pipes, having thermal	-	-			
1	1	stability for hot & cold water supply,					
-	18.7.1	stability for hot & cold water supply, 15mm nominal outer dia pipe	25	Metre	172.00	4300	
	18.7.1	and the second s	25 15	Metre Metre	172.00 233.20	4300 3498	
	_	15mm nominal outer dia pipe		-			
	18.7,2	15mm nominal outer dia pipe 20mm nominal outer dia pipe	15	Metre	233.20	3498	
	18.7.2 18.7.3	15mm nominal outer dia pipe 20mm nominal outer dia pipe 25mm nominal outer dia pipe	15 15	Metre Metre	233.20 317.30	3498 4759.5	
	18.7,2 18.7,3 18.7,4	15mm nominal outer dia pipe 20mm nominal outer dia pipe 25mm nominal outer dia pipe 32mm nominal outer dia pipe	15 15 10	Metre Metre Metre	233.20 317.30 395.20	3498 4759.5 3952	
2	18.7,2 18.7,3 18.7,4	15mm nominal outer dia pipe 20mm nominal outer dia pipe 25mm nominal outer dia pipe 32mm nominal outer dia pipe	15 15 10	Metre Metre Metre	233.20 317.30 395.20	3498 4759.5 3952	
	18.7.2 18.7.3 18.7.4 18.7.5	15mm nominal outer dia pipe 20mm nominal outer dia pipe 25mm nominal outer dia pipe 32mm nominal outer dia pipe 32mm nominal outer dia pipe 40mm nominal outer dia pipe 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	15 15 10	Metre Metre Metre	233.20 317.30 395.20	3498 4759.5 3952	
	18.7,2 18.7,3 18.7,4 18.7,5	15mm nominal outer dia pipe 20mm nominal outer dia pipe 25mm nominal outer dia pipe 32mm nominal outer dia pipe 32mm nominal outer dia pipe 40mm nominal outer dia pipe 40mm nominal outer dia pipe 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.	15 15 10 0	Metre Metre Metre Metre	233.20 317.30 395.20 570.00	3498 4759.5 3952 0	
	18.7.2 18.7.3 18.7.4 18.7.5 18.8	15mm nominal outer dia pipe 20mm nominal outer dia pipe 25mm nominal outer dia pipe 32mm nominal outer dia pipe 32mm nominal outer dia pipe 40mm nominal outer dia pipe 40mm nominal outer dia pipe 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. 15mm nominal outer dia Pipes	15 15 10 0	Metre Metre Metre Metre	233.20 317.30 395.20 570.00	3498 4759.5 3952 0	
	18.7.2 18.7.3 18.7.4 18.7.5 18.8 18.8 18.81	15mm nominal outer dia pipe 20mm nominal outer dia pipe 25mm nominal outer dia pipe 32mm nominal outer dia pipe 32mm nominal outer dia pipe 40mm nominal outer dia pipe 40mm nominal outer dia pipe 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. 15mm nominal outer dia Pipes 20mm nominal outer dia Pipes	15 15 10 0	Metre Metre Metre Metre	233.20 317.30 395.20 570.00	3498 4759.5 3952 0	
2	18.7.2 18.7.3 18.7.4 18.7.5 18.8	15mm nominal outer dia pipe 20mm nominal outer dia pipe 25mm nominal outer dia pipe 32mm nominal outer dia pipe 32mm nominal outer dia pipe 40mm nominal outer dia pipe 40mm nominal outer dia pipe 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. 15mm nominal outer dia Pipes 20mm nominal outer dia Pipes	15 15 10 0	Metre Metre Metre Metre Metre Metre	233.20 317.30 395.20 570.00 278.00 350.80	3498 4759.5 3952 0	
2	18.7.2 18.7.3 18.7.4 18.7.5 18.8 18.8 18.81 18.82	15mm nominal outer dia pipe 20mm nominal outer dia pipe 25mm nominal outer dia pipe 32mm nominal outer dia pipe 32mm nominal outer dia pipe 40mm nominal outer dia pipe 40mm nominal outer dia pipe 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. 15mm nominal outer dia Pipes 20mm nominal outer dia Pipes Providing and fixing brass stop cock of approved quality (screwed end). 15mm nominal bore	15 15 10 0	Metre Metre Metre Metre Metre Metre Each	233.20 317.30 395.20 570.00 278.00 350.80	3498 4759.5 3952 0 4170 3508	
2	18.7.2 18.7.3 18.7.4 18.7.5 18.8 18.8 18.81 19.8.2	15mm nominal outer dia pipe 20mm nominal outer dia pipe 25mm nominal outer dia pipe 32mm nominal outer dia pipe 32mm nominal outer dia pipe 40mm nominal outer dia pipe 40mm nominal outer dia pipe 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. 15mm nominal outer dia Pipes 20mm nominal outer dia Pipes	15 15 10 0	Metre Metre Metre Metre Metre Metre	233.20 317.30 395.20 570.00 278.00 350.80	3498 4759.5 3952 0	
2	18.7.2 18.7.3 18.7.4 18.7.5 18.8 18.8 18.81 19.8.2 18.16 18.16.3	15mm nominal outer dia pipe 20mm nominal outer dia pipe 25mm nominal outer dia pipe 32mm nominal outer dia pipe 32mm nominal outer dia pipe 40mm nominal outer dia pipe 40mm nominal outer dia pipe 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. 15mm nominal outer dia Pipes 20mm nominal outer dia Pipes Providing and fixing brass stop cock of approved quality (screwed end). 15mm nominal bore 20mm nominal bore	15 15 10 0	Metre Metre Metre Metre Metre Metre Each	233.20 317.30 395.20 570.00 278.00 350.80	3498 4759.5 3952 0 4170 3508	
2	18.7.2 18.7.3 18.7.4 18.7.5 18.8 18.8 18.81 18.82	15mm nominal outer dia pipe 20mm nominal outer dia pipe 25mm nominal outer dia pipe 32mm nominal outer dia pipe 32mm nominal outer dia pipe 40mm nominal outer dia pipe 40mm nominal outer dia pipe 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. 15mm nominal outer dia Pipes 20mm nominal outer dia Pipes Providing and fixing brass stop cock of approved quality (screwed end). 15mm nominal bore 20mm nominal bore	15 15 10 0	Metre Metre Metre Metre Metre Metre Each	233.20 317.30 395.20 570.00 278.00 350.80	3498 4759.5 3952 0 4170 3508	
2	18.7.2 18.7.3 18.7.4 18.7.5 18.8 18.8 18.81 19.8.2 18.16 18.16.3	15mm nominal outer dia pipe 20mm nominal outer dia pipe 25mm nominal outer dia pipe 32mm nominal outer dia pipe 32mm nominal outer dia pipe 40mm nominal outer dia pipe 40mm nominal outer dia pipe 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. 15mm nominal outer dia Pipes 20mm nominal outer dia Pipes Providing and fixing brass stop cock of approved quality (screwed end). 15mm nominal bore 20mm nominal bore	15 15 10 0	Metre Metre Metre Metre Metre Metre Each	233.20 317.30 395.20 570.00 278.00 350.80	3498 4759.5 3952 0 4170 3508	

1			٦	
	_	D)	
	7	9	1	
1		1		

							11/3
1	1817.3	40mm nominal bore	0	Each	752.10	0	
5	18.19	Providing and fixing gun metal non-return valve of approved quality (screwed end)					
		32mm nominal bore					
	18,192.1	Horizontal	2	Each	677.60	1355.2	
6	18.21	Providing and fixing uplasticised PVC connectionpipe with brass ions					
		45 cm length					
	1821.2.1	15 mm nominal bore	4	Each	85.20	340.8	
7	18.22	Providing and fixing C.P. brass shower rose 15 or 20 mm inlet.					
	18.22.2	150 mm diameter	0	Each	202.10	0	
		Providing and fixing C.P. brass, bib cock of approved quality conforming to IS:					
8	18.49.1	8931	5	Each	434.20	2171	
9	18.50	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS stamdards and weighing notless than 810 gms.			715-10	1431	20
	18.50.1	15 mm nominal bore	2	Each	751.10	1502.2	
10	18.51	Providing and fixing C.P. brass long body bib cock of approved quality					
	20000	conforming to IS stamdards and weighing notless than 690 gms.		-	-		
	18,51.1	15 mm nominal bore	2	Each	708.40	1416.8	
11	18.52	Providing and fixing C.P brass stop cock (concealed) of standard design and of approved mark conforming to IS:8931					
-	18.52.1	15mm nominal bore	4	Each	594.80	2379.2	!
12	18.53	Providing and fixing C.P brass angle valve for basin mixer and gyser points of approved quality conforming to IS: 8931					
	18.53.1	15mm nominal bore	5	Each	500.40	2502	
13	18.65	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.	0	Each	0.00	0	
14	18.76	Cutting holes up to 30 x 30 cm in walls including making good the same:					
	18.76.1	With common burnt clay F.P.S. (non modular) bricks	5	Each	198.50	992.5	
15	18.77	Cutting holes up to 15 x 15 cm in R.C.C. floors and roofs for passing drain pipe etc. and repairing the hole after insertion of drain pipe etc. with cement concrete 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) including finishing complete so as to make it leak proof.	4	Each	217.10	868.4	
16	18.79	Making holes up to 20 x 20 cm and embedding pipes upto 150 mm in diametre in masonary and filling with cement concrete 1:3:6 (1 cement: 3 coerse sand: 6 graded stone aggregate 20 mm nominal size) including dispopsal of malba.	4	Each	115.70	462.8	
17	18.48	Providing & placing on terrace polyetylene water storage tank with all complete job.	2000	litre	9.70	19400	
						-61859.6	61787.6
		Add extra cost for New GST increase 12% to 18 % (Rate as analysis of BCD 1-1-22)BCD Letter no- 5751(위) - 18-07-2023 (taking multiplying factor 5.36% for over all estimate)	%		1.0536	65175.27456	
		Sub total (Water Supply works) : Rs.			В	65175.27456	6.5099.0
17	17.7	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 require:					
-1/		White Vitreous China Wash basin size 630x450 mm with a single 15 mm	2	Each	2380 00	7100 7	
	17.7.2	C.P. brass pillar tap	3	Each	2369.90	7109.7	

		Providing and fixing white vitreous china pedestal for wash basin				
18	17.8	completely recessed at the back for the reception of pipes and fittings	3	Each	1500.00	4500
3						
		Providing and fixing P.V.C waste pipe for sink or wash basin including				
19	17,28	P.V.C waste fittings complete.				
		Flexible pipe				
	17,28,2.2	40 mm dia	3	Each	104.40	313.2
	100	Providing and fixing 600 x 450 mm bevelled edge mirror of superior glass		1		
		(of approved quality) complete with 6 mm thick hard board ground fixed				
20	17.31	to wooden cleats with C.P. brass screws and washers comelete.	2	Each	1068.50	2427
		The state of the s	- 4	Each	1000.50	2137
		Providing and fixing 600 x 120 x 5 mm glass shelf with edges rounded 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.				N.
21	17.22	complete		0.00	10000000	100000
21	17.33	Complete	2	Each	713.30	1426.6
-	-	0 10 101 07107				
		Providing and fixing PTMT towel rail complete with brackets fixed to				
4.4	100000	wooden cleats with CP brass screws with concealed fittings				
22	17.73	arrangement of approved quality and colour.			1	
		600 mm long towel rail with total length of 645 mm, width 78 mm an				
	17.73.2	effective height of 88 mm, weighthan 190 gms	2	Each	424.00	848
		*		Locii	12.1.00	040
7		Providing and fixing on wall face unplasticised PVC (working pressure 4 kg		1		
		per sqcm) rain water pipes conforming to IS:4985 including jointing with		1 .		
23	12.78	seal ring conforming to IS:5382 leaving 10mm gap for thermal expansion.				
-	12.78.2	110mm diameter		-		
	2417-0.2	220mm diameter	50	Metre	257.50	12875
		Description and Gring and Wife and Assistance Assistanc				
	-	Providing and fixing on wall face unplasticised PVC moulded fittings /				
		accessories for unplasticised-PVC rain water pipes conforming to IS:4985				
		including jointing with seal ring conforming to IS:5382 leaving 10mm gap		1		
24	12.79	for thermal expansion.		1		
		Single pushfit Coupler:				
	12.79.2.2	110mm	10	Each	374.60	3746
		Single tee with door		Lucii	0.1.00	3740
	12.79.3.2	110x110x110mm	8	Each	193.40	1547.2
		Single tee without door		Lacri	100.40	1547.2
	12.79.4.2	110x110x110mm	-	1 5-4	100.70	700.0
		Bend	4	Each	190.70	762.8
	12 79 5 2	110mm bend		-		
	2017 21016	Shoe plain	12	Each	132.00	1584
	12 70 6 2	110mm Shoe				
	12.77.0.2	TIOMIN Shoe	12	Each	115.95	1391.4
-	-	B 14 16 1				
		Providing and fixing unplasticised-PVC pipe clip of approved design to				
		unplasticised PVC rain water pipe by means of 50x50x50mm hard wood				
	3	plugs, screwed with M.S screws or required length including cutting brick				
	-	work and fixing on cement mortar (1:4) 1 cement:4 coarse sand and		10 16		
25	12.80	making good the wall etc. complete.				
	12.80.2	110mm	20	Each	182.72	2000
			20	Each	102.12	3654.4
-11		Providing and fixing to the inlet mouth of rain water pipe cast iron grating	-	-		-
	12.81	15 cm diametre and weighing not less than 440 grams.				0.000
26		as on damene and weighing not less than 440 grams.	4	Each	47.90	191.6
26						
26		Providing and fiving water closet countries and the first state of the				
26		Providing and fixing water closet squatting pan (Indian type W.C pan) with				
26		100mm sand cast iron P or S trap, 10 litre low level white P.V.C flushing				*
26		100mm sand cast iron P or S trap, 10 litre low level white P.V.C flushing cistern with manually controlled device (handle lever) conforming to IS:				
		100mm sand cast iron P or S trap, 10 litre low level white P.V.C flushing cistern with manually controlled device (handle lever) conforming to IS: 7231, with all fittings and fixtures complete including cutting and making				
	17.1	100mm sand cast iron P or S trap, 10 litre low level white P.V.C flushing cistern 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.				N.
27	17.1	100mm sand cast iron P or S trap, 10 litre low level white P.V.C flushing cistern with manually controlled device (handle lever) conforming to IS: 7231, with all fittings and fixtures complete including cutting and making				×
27	17.1	100mm sand cast iron P or S trap, 10 litre low level white P.V.C flushing cistern 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.	2	1 50 00	4470.90	
27	17.1 17.1.1	100mm sand cast iron P or S trap, 10 litre low level white P.V.C flushing cistern 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. White Vitreous china Orissa Pattern W.C pan of size 580x440mm with integral type foot rests.	2	Each	4470.90	8941.8
27	17.1 17.1.1	100mm sand cast iron P or S trap, 10 litre low level white P.V.C flushing cistern 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. White Vitreous china Orissa Pattern W.C pan of size 580x440mm with integral type foot rests.	2	1 50 00	4470.90	
27	17.1	100mm sand cast iron P or S trap, 10 litre low level white P.V.C flushing cistern 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. White Vitreous china Orissa Pattern W.C pan of size 580x440mm with integral type foot rests. Providing and fixing white vitreous china pedastal type water closet	2	1 50 00	4470.90	
27	17.1.1	100mm sand cast iron P or S trap, 10 litre low level white P.V.C flushing cistern 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. White Vitreous china Orissa Pattern W.C pan of size 580x440mm with integral type foot rests. Providing and fixing white vitreous china pedastal type water closet (European type W.C pan) with seat and lid, 10 litre low level white P.V.C	2	1 50 00	4470.90	
27	17.1	100mm sand cast iron P or S trap, 10 litre low level white P.V.C flushing cistern 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. White Vitreous china Orissa Pattern W.C pan of size 580x440mm with integral type foot rests. Providing and fixing white vitreous china pedastal type water closet	2	1 50 00	4470.90	

	17,2.1	W.C pan with ISI marked white solid plastic seat and lid.	2	Each	4230.00	8460
-d						
		Providing and fixing Salem Stainless Steel A ISI 304 (18/8) kitchen sink as				
_	1	per I.S 13983 with C.I brackets and stainless steel plug 40mm including				
. 1		painting of fittings and brackets, cutting and making good the walls		1000		
29	17.10	wherever required.				-
4		Kitchen sink with drain board				
-		510x1040 mm bowl depth 250 mm	1	Each	5231.50	5231.5
1	27-20-2-4	210x10×0 mm bowl depth 230 mm		Coun		
		Providing and fixing PTMT liquid soap container 109 mm wide, 125mm				
		high and 112mm distance from wall of standard shape with bracket of the				
- 1		same materials with snap fittings of approved quality colour and make,				
30		weighing not less than 105gms.	5	Each	146.30	731.5
		Providing and fixing white vitreous china flat back half stall urinal of size				
П		580x380x350 mm with white PVC automatic flushing cistern, with fittings,				
		standard size C.P. brass lush pipe,spreaders with unionsand clamps (all in				48
		C.P. brass) with waste fitting as per IS :2556, C.I.trap with outlet grating				
		and other couplings in C.P. brass, includingpainting of fittings and cutting				
		and making good the walls and floors				
31	17.5.	wherever required :				
	17.5.1	Single half stall urinal with 5 litre P.V.C. automatic flushing cistern	4	Each	6469.00	25876
-	-					
		Providing and fixing PTMT towel ring trapezoidal shape 215 mm long,				
		200mm wide with a minimum distances of 37mm fromwall face with			1	
		concealed fittings arrangement of approved quality, colour and make			047.70	
32	17.72	weighing not less than 90 gms.	0	Each	217.70	- 0
-						91327
		BCD 1-1-22)BCD Letter no- 5751(4f) - 18-07-2023 (taking multiplying factor 5.36% for over all estimate)	%		1.0536	96222.864
_		lactor 5.36% for over all estimate)	70		1.0550	SULLEIGUT
		Sub-total (SANITARY INSTALLATION) : Rs.			c	96223
	14					
		SEWARAGE & DRAINAGE				
		Providing, laying and jointing glazed stoneware pipes grade 'A' with stiff				
	100	mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand)			1	
33		including testing of joints etc. complete.	10		464.3	46
-	19.1.2	150 mm diameter	10	Metre	404.3	40
		Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand :				
		10 graded stone aggregate 40 mm nominal size) alround S.W. pipes				
34	19.2	inlouding bed concrete as per standard design.				
	19.2.2	150mm diameter S.W. pipe	5	Metre	494.4	24
_	-	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				
21	19.4	2.70 kg as per standard design :				
3:	19.4.3.1	2.70 kg as per standard design : 180x150 mm size P type	1		1	
-	13.4.3.1	With common burnt clay F.P.S. (non modular) bricks of class designation	1		1	~
		17.5	1	Each	1994.1	199

						-
T.		Constructing brick masonry chamber for underground C.I. inspection chamber and bends with bricks in cement mortar 1:4 (1 cement : 4coarse 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				
.50		: 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				
		mmthick with cement mortar 1:3 (1 cement : 3 coarse sand), finishedsmooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design				
		Inside dimensions 455x610 mm and 45 cm deep for single pipe line :With common burnt clay F.P.S. (non modular) bricks of class				
-	19.30.1.0	designation 7.5	2	Each	4266.8	8533.6
		Sub total (SEWARAGE & DRAINAGE) : Rs.				17642.7
		Add extra cost for New GST increase 12% to 18 % (Rate as analysis of BCD 1-1-22)BCD Letter no- 5751(14) - 18-07-2023 (taking multiplying factor 5.36% for over all estimate)			1.0535	10100 24072
		lactor 3.36% for over all estimate)	% TOTAL		1.0536	18588.34872
-			TOTAL	-	D	18588.34872
	A	TUBEWELL & SUBMERSSIBLE PUMP				
37	24.1	Boring/drilling bore well of required dia for casing/strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer -in-charge, upto 90 Metre depth below ground level.		,		
	24.1.1	All types of soil.				
	24.1.1.3	400 mm dia.	80	Metre	681.5	54520
38	24.2	Boring/drilling bore well of required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/ bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer -in-charge, beyond 90 Metre & upto 150 Metre depth below ground level.			4	
	24.2.1	All types of soil.		1		
	24.2.1.3	400 mm dia.	6	Metre	896.5	53790
39	24.8	Gravel packing in tubewell construction in accordance with IS: 4097,including providing gravel fine/ medium/ coarse, in required grading & sizes as per actual requirement, all complete as per direction of Engineer-in-charge.		6 Cum	1343.2	8059.2
		e and a superior of the superi				
40	24.1	Supplying, assembling, lowering and fixing in vertical position in bore well, ERW (Electric Resistance Welded) FE 410 mild steel screwed and socketed/ plain ended casing pipes of required dia, conforming to IS: 4270, of reputed & approved make, including painted with outside surface with two coats of anticorrosive paint of approved brand and manufacture, including required hire & labour charges, fittings & accessories, all complete, for all depths, as per direction of Engineer-in-charge.				
	24.10.3	200 mm nominal size dia having minimum wall thickness 5.40 mm	7	5 Metre	2003.7	150277.5
41	24.11	Supplying, assembling, lowering and fixing in vertical position in bore well, ERW (Electric Resistance Welded) FE 410 plain slotted (having slot of size 1.6/3.2 mm) mild steel threaded and socketed /plain bevel ended pipe (type A) of required dia, conforming to IS:8110, of reputed and approved make, having wall thickness not less than 5.40 mm, including painted with outside surface with two coats of anticorrosive bitumestic paint of approved brand and manufacture, including hire & labour charges, fittings & accessories, all complete, for all depths, as per direction of Engineer -in-		47		
	24.11.3	charge. 200 mm nominal size dia.	2	0 Metre	2119.1	42382
			All a fine and the second	THE RESERVE OF THE PERSON NAMED IN		

1.	1
1	9
60	1)
1	/

-						
+	7					
42		Development of tube well in accordance with IS: 2800 (part I) and IS: 11189, to establish maximum rate of usable water yield without sand content (beyond permissible limit), with required capacity air compressor, running the compressor for required time till well is fully developed, measuring yield of well by "V" notch method or any other approved method, measuring static level & draw down etc. by step draw down method, collecting water samples & getting tested in approved laboratory, i/c disinfection of tubewell, all complete, including hire & labour charges of air compressor, tools & accessories etc., all as per requirement and direction of Engineer-in-charge.	8	Hour	916.8	7334.4
7		Total cost of 1 Tube well : Rs.				Ta .
43	N.S.	Supply, Installation, testing & Commissioning of suitable capacity and type of submersible pump set capable to discharge 20,000 ltrs. of clean filtered water from a 250 mm x 150 mm deep tubewell at a total head of 30 meter, complete with control panel,24 Metres of suitable size G.I. column pipe, bend, gate valve nipple supporting clamp, 30 Metres of neoprene cable etc. complete as required. (payment will be made as per actual voucher/receipt submitted by contrcator.)	1	Set	100000	316363.
-				-	-	3203034
43		Add extra cost for New GST increase 12% to 18 % (Rate as analysis of BCD 1-1-22)BCD Letter no- 5751(H) - 18-07-2023 (taking multiplying factor 5.36% for over all estimate)	%		1.0536	333320.162
		. Total cost of 1 Tube well without submerssible pump : Rs.			E	333320.162
		SEPTIC TANK			,	
		Diffrences cost of materials			-	
		Bricks 100A	-		-	
		Cement	-		-	-
		Rate Based on BCD SOR,2022 Analysis	-			
		Supplying materials, labour for constructing Septic Tanks of following sizes & as per sections given in the Drawings & Designs, all complete as per specifications and direction of Engineer-in-charge.				
-		ST-2 [4.0 mtr (long) x 2 mtr (wide) x 2 mtr (deep) (of inside finished size as				
		per design & drawings)]			1	
		Statement of Analysis per Unit				
		Unit : Each				
		Earth work in excavation over areas (exceeding 30 cm in depth. 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m; disposed earth to be levelled and				
44	2.6.1	6 neatly dressed. All kinds of soil	22.81	cum	314.90	7181.59
	2.0.1	for ground water harvesting	13.42	cum	314.90	4224.41
45	2.2	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete.	1.37	Cum	287.30	393.81
46	4.	Providing and laying in position cement concrete of specified grade 1 exluding the cost of centring and shuttering-all work upto plinth level.				N.
	4.1.3	1:2:4 (1 Cement : 2 coarse sand: 4 graded stone aggregate 20 mm nominal size)	1.37	Cum	3998.10	5480.35
4	7 11 7	Providing designation 100 A one brick flat soling joints filled with local sand including cost of watering, taxes royalty all complete as per 2 specification and direction of E/I.	8.00	Per M2	283.30	2266.40
41	-					
4	9 6.1A	Brick work with bricks of class designation 100A in foundations and plinth in :			F663.10	10324.00
	6.1.14A	Cement mortar 1:6 (1 cement: 6 coarse sand)	3.41	Cum	5662.10	19334.66

ole	1.12/1	Cement mortar 1 .:4 (1 cement: 4 coarse sand)	5.46	cum	5860.10	31974.17	
1	7.2.2.2	Centerie month a 111 fa derivers 1 dees de serie /					
ŵ		12 mm cement plaster 1:3(1 cement: 3 coarse sand) finished with a			203-60	CE 20. C	U
1		floating coat of neat cement	27.65	Sqm	244.80	5629·1	,
7		for water harvesting pit	7.36	Sgm	244.80	1800.54 14	18.49
+		Providing and laying in position specified grade of reinforced	7.50		203 - 60		to de la constitución de la cons
1		cementconcrete excluding the cost of centring, shuttering, finishing					
J		에 없게 되면 하고 있다면 있다면 있다면 있다면 하는데 하는데 하는데 하는데 하는데 없는데 되었다면 되었다면 되었다면 보다 보고 있다면 하는데 보고 있다면 보다 되었다면 보다 되었다면 보다 되었다면 보다 보다 되었다면 보다		y .			
2		andreinforcement-All work puto plinth level					
1		1:1:5:3(1 cement: 1.5 coarse sand:3 graded stone aggregate20 mm	1.54	Com	4000 30	7221.38	
4		nominal size)	1.54	Cum	4688.30		
4		RCC Slab for rain water harvesting pit	0.66		4688.30	3115.68	
4				-			
1		Reinforcement for R.C.C. work including straightening, cutting, bending,					
3		placing in position and binding all complete.		-	00.50	44252.45	
4	5,22.78	10 mm dia Tor	154.03	kg	92.60	14263.15 -104026.06	In a CD2
4		Total Cost Per Unit		TOTAL (A)		-104026:06	10 2363
4							
4		Carriage of Materials					
		Bricks (lead -1 km kutcha + 7 km pucca)	4693.50	% No.	1179.73	5537.06	
		Coarse Sand (Lead - 170 K.m)	4.06	cum	3723.30	15129.56	
						0.00	
		Stone Chips (Lead - RLY-428 K.m + 10 TRUCK)	2.53	cum	2969.31	7510.01	
1		Local sand (1 km kutcha + 2 km pucca)	1.49	cum	310.65	463.22	
5		Diffrences cost of materials				0.00	110
		Bricks 100A	4693.50	% No.	362.60	1701.86	
		Cement	37.72	bag	11.69	440.97	
						-134808.73	133366
-				1		25.1000112	
		Add extra cost for New GST increase 12% to 18 % (Rate as analysis of					
		BCD 1-1-22)BCD Letter no- 5751(4) - 18-07-2023 (taking multiplying	%		1.0536	-142034.48	14021
		factor 5.36% for over all estimate)			1		
56		Seigniorage Fee					
-	(1)	Bricks (lead - 1 km kutcha + 7 km pucca)	4693.50	% No.	512.80	2406.83	
-	(ii)	Coarse Sand	4.06	cum	17.58	71.44	
-	(iii)	Stone Chips 20MM	1.75	cum	59.54	104.19	
	(m)	Stone Chips 20MM	0.78	cum	65.79	51.32	
-	E.A	Local sand (1 km kutcha + 2 km pucca)	1.49	cum	14.85	22.14	
-	(iv)	Local Sallo (1 kill kutcha + 2 kill pucca)	4.40	Cum	24.03		
					F	-144690.39	DEIERI
_		ELECTRIFICATION		1			
		(managaritating approximate)		-			
		Wiring for light point/ fan point/ exhaust fan point / call bell point with					
		1.5 Sq.mm FR PVC insulated copper conductor cable in recessed PVC			1 1		
		conduit with modular type switch , modular plate, suitable size GI box					
57		etc as required.		-			
	1.3.3	Group C	39	Point	1146.00	44694	
		Supplying and fixing suitable size GI box with modular plate and cover in		1			
		recess including providing and fixing modular type 3 pin 5/6 amps socket	0				
58	1.31	outlet & 6A switch connection etc. as required.	39	Each	414.00	16146	
20	-	Supplying and fixing of suitable size GI box with modular plate and cover					
20		in recess including providing and fixing modular 6 pin 15/16 amp socket					
20	1	outlet &15/16 amp modular switch including connection, painting etc as					
20	1		24	Each	531.00	12744	
	1.33	(Irequired					1
	1.32	Wiring for light/ power plug plug with 2 X 4 sq. mm FR PVC insulated			4 8		
	1.32	Wiring for light/ power plug plug with 2 X 4 sq. mm FR PVC insulated		-1			
	1.32	Wiring for light/ power plug plug with 2 X 4 sq. mm FR PVC insulated copper conductor single core cable in surface / recessed medium class					1
59		Wiring for light/ power plug plug with 2 X 4 sq. mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit along with 1 Nos 4 sq. mm FR PVC insulated copper	ga	meter	309.00	30591	
59		Wiring for light/ power plug plug with 2 X 4 sq. mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit along with 1 Nos 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required	99	meter	309.00	30591	
59	1.5	Wiring for light/ power plug plug with 2 X 4 sq. mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit along with 1 Nos 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required Supplying and fixing 2 pin, 6 amp ceiling rose on the existing junction box/					
59	1.5	Wiring for light/ power plug plug with 2 X 4 sq. mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit along with 1 Nos 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required Supplying and fixing 2 pin, 6 amp ceiling rose on the existing junction box/3 wooden block including connection etc as required.	99	meter Each	309.00	30591 1600	
59 60	1.3	Wiring for light/ power plug plug with 2 X 4 sq. mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit along with 1 Nos 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required Supplying and fixing 2 pin, 6 amp ceiling rose on the existing junction box/3 wooden block including connection etc as required. Supplying and fixing Batten/angale holder on the existing junction	25	Each	64.00	1600	
59	1.3	Wiring for light/ power plug plug with 2 X 4 sq. mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit along with 1 Nos 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required Supplying and fixing 2 pin, 6 amp ceiling rose on the existing junction box/3 wooden block including connection etc as required. Supplying and fixing Batten/angale holder on the existing junction box/pvc box including connection etc. as required.					
59 60	1.3	Wiring for light/ power plug plug with 2 X 4 sq. mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit along with 1 Nos 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required Supplying and fixing 2 pin, 6 amp ceiling rose on the existing junction box/3 wooden block including connection etc as required. Supplying and fixing Batten/angale holder on the existing junction box/pvc box including connection etc. as required. Wiring for circuit/ submain wiring alongwith earth wire with the following	25	Each	64.00	1600	
59 60 61	1.3	Wiring for light/ power plug plug with 2 X 4 sq. mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit along with 1 Nos 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required Supplying and fixing 2 pin, 6 amp ceiling rose on the existing junction box/3 wooden block including connection etc as required. Supplying and fixing Batten/angale holder on the exisiting jucction box/pvc box including connection etc. as required. Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/	25	Each	64.00	1600	
59 60	1.3	Wiring for light/ power plug plug with 2 X 4 sq. mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit along with 1 Nos 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required Supplying and fixing 2 pin, 6 amp ceiling rose on the existing junction box/3 wooden block including connection etc as required. Supplying and fixing Batten/angale holder on the existing junction box/pvc box including connection etc. as required. Wiring for circuit/ submain wiring alongwith earth wire with the following	25	Each	64.00	1600 960	
59 60 61	1.3	Wiring for light/ power plug plug with 2 X 4 sq. mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit along with 1 Nos 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required Supplying and fixing 2 pin, 6 amp ceiling rose on the existing junction box/3 wooden block including connection etc as required. Supplying and fixing Batten/angale holder on the exisiting jucction box/pvc box including connection etc. as required. Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/	25	Each	64.00	1600	

	/	\leq	7
1	C)
10	O	1	
1		2	/

1	7/11	4 X 6 sq. mm + 1 X 6 sq. mm earth wire	22	Meter	660	14520
_	7.12	4 X 10 sq. mm + 1 X 10 sq. mm earth wire	22	Meter	925	20350
1		Supplying and drawing following sizes of FR PVC insulated copper conductor, single core cable in the existing surface/ recessed PVC conduit				
54		as required	100	Motor	38	3800
1	1.15.1	1 X 1.5 sq. mm	100	Meter	30	3000
+		Supplying and fixing electronic musical call suitable for single phase, 230				
65		volts complete bell as required.	2	Each	351	702
66		Supplying and fixing modular type 25 amps A.C. unit box with ON/OFF MCB on surface or in recess complete with connections, testing and commissioning etc as required.	10	Each	522.57	\$2.2.0 -3750-
00						
67		Supplying and fixing Suitable G.I box with modular plate & cover in front of surface or in recess including providing and fixing 4 nos. 3 pin 5/6 amps modular socket outlet & 4 nos 5/6 amps modular switch, connnection etc as required. (Use for computer point)	10	Each	1064	10640
68	7.0	Supplying and fixing following way, horizontal type,three pole & neutral, sheet steel, MCB distribution board, 415 volts, on surface/ recess, complete with tinned copper bus - bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator				
00	2.9.1	4 way (4 + 12), double door, horizontal type	2	Each	4184	8368
69	2.12	Supplying and fixing following rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive loads of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				2270
	2.12.1	6 Amp. To 32 Amp. SP MCB Group-B 240 Volt	10	Each	237	2370 4658
	2.12.8	40/63 Amps, Tripole pole and neutral	- 4	Edill	2323	4050
70	5.7.4	Supplying and fixing recess mounted 18 watt LED downlighter complete with integrated electronic driver & LED directly on ceiling including connection with 1.5 sq.mm FR PVC insulated copper conductor cable and earthing the body etc. as required.	24	Each	1509	36216
71	6.1.6	Supplying and fixing of following types lamp in the existing electrical fitting/ fixtures etc. as required. 15 watt LED lamp	25	Each	250	6250
	2 5.8.3	Supplying and fixing Surface mounted 18 watt LED downlighter complete with integrated electronic driver & LED directly on ceiling including connection with 1.5 sq.mm FR PVC insulated copper conductor cable and earthing the body etc. as required.	12	Each	1694	20328
7	3 5.6.2	Supplying and fixing following types aluminum extruded suspended type LED lumainare with miinimum efficacy 100lm/w ensuring continuous illumination including suspension system complete with electronic driver etc and connection with 1.5 sq mm FRLS PVC insulate copper conductor cable as required 4feet* 40 watt .	2	Each	4587	9174
7	4 5.14.4	Supplying and fixing 90 watt LED type street light with die cast aluminium housing for ingress protection of IP66 and complete with all accessories etc, on pole/building including connection with FR PVC insulated copper conductor cable and earthing the body etc. as required.	2	Each	5516	11032
7	75 8	Supplying and fixing of 32 mm dia X 1.00 metres long G.I. pipe (medium class) bracket for mounting of fluorescent / HPMV/ HPSV/ CFL street light fitting on pole including bending the pipe to the required shape, 2 nos 40 mm X 3 mm flat iron clamps with nuts, bolts and washer, painting the flat iron with primer and finish paint etc. as required.	2	Each	1038	2076

- 2	-		•
1	1	4	
de)	O	1
(5	/	

-		Supply and installation of regular/standard model A.C. ceiling fan of 1200		T			7 (/
20	0.45	mm sweep including wiring the down rods of standard length (upto 30					
20	8.15	cm) with 1.5 sq.	12	Each	2482	29784	4
-		Constitution and Science depend to the contract of the contrac	-,				-
		Supplying and fixing stepped type electronic fan regulator on the existing					1
76	1.70	modular plate/ switch box including connections but excluding modular plate etc.as required.	1221	1	1	V 2,02000	
70	1.25	prate etc.as required.	12	Each	358	4296	4
-		Complement in the Heating of 2000 and 1 of 1 of 1 of 1		-			
		Supply and installation of 250 mm, 230 v A.C. exhaust fan in the existing					1
-		opening including making good the damage, connection testing,		23,072	2288	11440	1
11	8.17.1	commissioning etc as required.	5	Each	-2572	-12860	
							1
		Supplying and fixing wall/floor mounted cubical panel board, fabricated		1		G- Wallet	
		with 16 gauge iron sheet, suitable for panel mounted switch disconnector,		1			1
		including bus-bar chamber, insulator and painting etc. as required. (but		1			1
78	8.10.2	without busbar copper strip)	0	sqft	1382		
							1
		Providing and fixing following rating and breaking capacity MCCB in					
		existing cubicle panel board including drilling holes in cubicle panel,			1 1		1
79	2.4	making connections etc. as required.					
	2.4.3	160 Amp, 36 KA	1	Each	13698	13698	-
	2.4.18	500 Amp, 35 KA	0	Each	27209	13698	-
			v	CaCii	27209	U	-
		Providing and fixing following capacity four pole ONload/ panel mounted		-	-		-
		changeover switches inside the existing cubical panel board including		1			
80	2.7	drilling holes in cubicle panel, making connections etc. as required.		1			
	2.7.6	200 Amp, four pole		P- 1			4
_	2.7.0	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick	1	Each	18271	18271	-
				1			
		including accessories, and providing masonary enclosure with cover plate		1			1
0.4	3.0	having locking arrangement and watering pipe 2.7 metre long etc. with		1 22			1
81	3.6	charcoal/ coke and salt as required.	1	Set	13721	13721	
		Providing and fixing 4.00 mm dia copper wire on surface or in recess for					
22	1000	loop earthing etc. as required.			116	2684	1
82	3.17		49	mrt	-144	7056	
	- "	Total				400000	4085
				+	G	409825	4
					1 1		1 3
		FIRE HYDRANT				0.	
		The state of the s		-			-
		Providing, laying, testing & commissioning of 'B' class heavy duty G.I. pipe		<u> </u>			
		Providing, laying, testing & commissioning of 'B' class heavy duty G.I. pipe conforming to IS 1239 including welding, fittings like elbows, tees, flanges.					
		Providing, laying, testing & commissioning of 'B' class heavy duty G.I. pipe conforming to IS 1239 including welding, fittings like elbows, tees, flanges, tapers, nuts, bolts, gaskets etc. and fixing the pipe on the wall/ceiling with					
92		Providing, laying, testing & commissioning of 'B' class heavy duty G.I. pipe conforming to IS 1239 including welding, fittings like elbows, tees, flanges, tapers, nuts, bolts, gaskets etc. and fixing the pipe on the wall/ceiling with suitable clamp/support frame and painting with twoor more coats of				,	
83	27.0.5	Providing, laying, testing & commissioning of 'B' class heavy duty G.I. pipe conforming to IS 1239 including welding, fittings like elbows, tees, flanges, tapers, nuts, bolts, gaskets etc. and fixing the pipe on the wall/ceiling with suitable clamp/support frame and painting with twoor more coats of synthetic enamel paint of requiredshade complete as required				,	
83	27.8.6	Providing, laying, testing & commissioning of 'B' class heavy duty G.I. pipe conforming to IS 1239 including welding, fittings like elbows, tees, flanges, tapers, nuts, bolts, gaskets etc. and fixing the pipe on the wall/ceiling with suitable clamp/support frame and painting with twoor more coats of synthetic enamel paint of requiredshade complete as required 80 mm dia	5	meter	1082	5410	
83	27.8.6 27.8.7	Providing, laying, testing & commissioning of 'B' class heavy duty G.I. pipe conforming to IS 1239 including welding, fittings like elbows, tees, flanges, tapers, nuts, bolts, gaskets etc. and fixing the pipe on the wall/ceiling with suitable clamp/support frame and painting with twoor more coats of synthetic enamel paint of requiredshade complete as required 80 mm dia	5 32	meter meter	1082 1445	5410 46240	
83	TOTAL CONTROL OF THE PARTY OF T	Providing, laying, testing & commissioning of 'B' class heavy duty G.I. pipe conforming to IS 1239 including welding, fittings like elbows, tees, flanges, tapers, nuts, bolts, gaskets etc. and fixing the pipe on the wall/ceiling with suitable clamp/support frame and painting with twoor more coats of synthetic enamel paint of requiredshade complete as required 80 mm dia 100 mm dia Supplying and fixing single headed internal hydrant valve with		-	-	The state of the s	
83	TOTAL CONTROL OF THE PARTY OF T	Providing, laying, testing & commissioning of 'B' class heavy duty G.I. pipe conforming to IS 1239 including welding, fittings like elbows, tees, flanges, tapers, nuts, bolts, gaskets etc. and fixing the pipe on the wall/ceiling with suitable clamp/support frame and painting with twoor more coats of synthetic enamel paint of requiredshade complete as required 80 mm dia 100 mm dia Supplying and fixing single headed internal hydrant valve with instantaneous Gunmetal/Stainless Steel coupling of 63 mm dia with cast		-	-	The state of the s	
	TOTAL CONTROL OF THE PARTY OF T	Providing, laying, testing & commissioning of 'B' class heavy duty G.I. pipe conforming to IS 1239 including welding, fittings like elbows, tees, flanges, tapers, nuts, bolts, gaskets etc. and fixing the pipe on the wall/ceiling with suitable clamp/support frame and painting with twoor more coats of synthetic enamel paint of requiredshade complete as required 80 mm dia 100 mm dia Supplying and fixing single headed internal hydrant valve with instantaneous Gunmetal/Stainless Steel coupling of 63 mm dia with cast iron wheel ISI marked conforming to IS 5290 (Type -A) with blank		-	-	The state of the s	
83	27.8.7	Providing, laying, testing & commissioning of 'B' class heavy duty G.I. pipe conforming to IS 1239 including welding, fittings like elbows, tees, flanges, tapers, nuts, bolts, gaskets etc. and fixing the pipe on the wall/ceiling with suitable clamp/support frame and painting with twoor more coats of synthetic enamel paint of requiredshade complete as required 80 mm dia 100 mm dia Supplying and fixing single headed internal hydrant valve with instantaneous Gunmetal/Stainless Steel coupling of 63 mm dia with cast iron wheel ISI marked conforming to IS 5290 (Type -A) with blank Gunmetal/Stainless Steel cap and chain as required		-	-	The state of the s	
	TOTAL CONTROL OF THE PARTY OF T	Providing, laying, testing & commissioning of 'B' class heavy duty G.I. pipe conforming to IS 1239 including welding, fittings like elbows, tees, flanges, tapers, nuts, bolts, gaskets etc. and fixing the pipe on the wall/ceiling with suitable clamp/support frame and painting with twoor more coats of synthetic enamel paint of requiredshade complete as required 80 mm dia 100 mm dia Supplying and fixing single headed internal hydrant valve with instantaneous Gunmetal/Stainless Steel coupling of 63 mm dia with cast iron wheel ISI marked conforming to IS 5290 (Type -A) with blank Gunmetal/Stainless Steel cap and chain as required Single headed Stainless steel		meter	1445	46240	
	27.8.7	Providing, laying, testing & commissioning of 'B' class heavy duty G.I. pipe conforming to IS 1239 including welding, fittings like elbows, tees, flanges, tapers, nuts, bolts, gaskets etc. and fixing the pipe on the wall/ceiling with suitable clamp/support frame and painting with twoor more coats of synthetic enamel paint of requiredshade complete as required 80 mm dia 100 mm dia Supplying and fixing single headed internal hydrant valve with instantaneous Gunmetal/Stainless Steel coupling of 63 mm dia with cast iron wheel ISI marked conforming to IS 5290 (Type -A) with blank Gunmetal/Stainless Steel cap and chain as required Single headed Stainless steel Supplying, fixing, testing and commissioning of butterfly valve of PN 1.6	32	-	-	The state of the s	
	27.8.7	Providing, laying, testing & commissioning of 'B' class heavy duty G.I. pipe conforming to IS 1239 including welding, fittings like elbows, tees, flanges, tapers, nuts, bolts, gaskets etc. and fixing the pipe on the wall/ceiling with suitable clamp/support frame and painting with twoor more coats of synthetic enamel paint of requiredshade complete as required 80 mm dia 100 mm dia Supplying and fixing single headed internal hydrant valve with instantaneous Gunmetal/Stainless Steel coupling of 63 mm dia with cast iron wheel ISI marked conforming to IS 5290 (Type -A) with blank Gunmetal/Stainless Steel cap and chain as required Single headed Stainless steel Supplying, fixing, testing and commissioning of butterfly valve of PN 1.6	32	meter	1445	46240	
	27.8.7	Providing, laying, testing & commissioning of 'B' class heavy duty G.I. pipe conforming to IS 1239 including welding, fittings like elbows, tees, flanges, tapers, nuts, bolts, gaskets etc. and fixing the pipe on the wall/ceiling with suitable clamp/support frame and painting with twoor more coats of synthetic enamel paint of requiredshade complete as required 80 mm dia 100 mm dia Supplying and fixing single headed internal hydrant valve with instantaneous Gunmetal/Stainless Steel coupling of 63 mm dia with cast iron wheel ISI marked conforming to IS 5290 (Type -A) with blank Gunmetal/Stainless Steel cap and chain as required Single headed Stainless steel Supplying, fixing, testing and commissioning of butterfly valve of PN 1.6 rating with bronze/gunmetal seat duly ISI marked complete with nuts,	32	meter	1445	46240	
	27.8.7	Providing, laying, testing & commissioning of 'B' class heavy duty G.I. pipe conforming to IS 1239 including welding, fittings like elbows, tees, flanges, tapers, nuts, bolts, gaskets etc. and fixing the pipe on the wall/ceiling with suitable clamp/support frame and painting with twoor more coats of synthetic enamel paint of requiredshade complete as required 80 mm dia 100 mm dia Supplying and fixing single headed internal hydrant valve with instantaneous Gunmetal/Stainless Steel coupling of 63 mm dia with cast iron wheel ISI marked conforming to IS 5290 (Type -A) with blank Gunmetal/Stainless Steel cap and chain as required Single headed Stainless steel Supplying, fixing, testing and commissioning of butterfly valve of PN 1.6	32	meter	1445	46240 22888	
84	27.8.7	Providing, laying, testing & commissioning of 'B' class heavy duty G.I. pipe conforming to IS 1239 including welding, fittings like elbows, tees, flanges, tapers, nuts, bolts, gaskets etc. and fixing the pipe on the wall/ceiling with suitable clamp/support frame and painting with twoor more coats of synthetic enamel paint of requiredshade complete as required 80 mm dia 100 mm dia Supplying and fixing single headed internal hydrant valve with instantaneous Gunmetal/Stainless Steel coupling of 63 mm dia with cast iron wheel ISI marked conforming to IS 5290 (Type -A) with blank Gunmetal/Stainless Steel cap and chain as required Single headed Stainless steel Supplying, fixing, testing and commissioning of butterfly valve of PN 1.6 rating with bronze/gunmetal seat duly ISI marked complete with nuts, bolts, washers, gaskets conforming to IS 13095 of following sizes as	4	meter Each	5722	46240 22888	
84	27.9.2	Providing, laying, testing & commissioning of 'B' class heavy duty G.I. pipe conforming to IS 1239 including welding, fittings like elbows, tees, flanges, tapers, nuts, bolts, gaskets etc. and fixing the pipe on the wall/ceiling with suitable clamp/support frame and painting with twoor more coats of synthetic enamel paint of requiredshade complete as required 80 mm dia 100 mm dia Supplying and fixing single headed internal hydrant valve with instantaneous Gunmetal/Stainless Steel coupling of 63 mm dia with cast iron wheel ISI marked conforming to IS 5290 (Type -A) with blank Gunmetal/Stainless Steel cap and chain as required Single headed Stainless steel Supplying, fixing, testing and commissioning of butterfly valve of PN 1.6 rating with bronze/gunmetal seat duly ISI marked complete with nuts, bolts, washers, gaskets conforming to IS 13095 of following sizes as required	32	meter	1445	46240 22888	
84	27.9.2	Providing, laying, testing & commissioning of 'B' class heavy duty G.I. pipe conforming to IS 1239 including welding, fittings like elbows, tees, flanges, tapers, nuts, bolts, gaskets etc. and fixing the pipe on the wall/ceiling with suitable clamp/support frame and painting with twoor more coats of synthetic enamel paint of requiredshade complete as required 80 mm dia 100 mm dia Supplying and fixing single headed internal hydrant valve with instantaneous Gunmetal/Stainless Steel coupling of 63 mm dia with cast iron wheel ISI marked conforming to IS 5290 (Type -A) with blank Gunmetal/Stainless Steel cap and chain as required Single headed Stainless steel Supplying, fixing, testing and commissioning of butterfly valve of PN 1.6 rating with bronze/gunmetal seat duly ISI marked complete with nuts, bolts, washers, gaskets conforming to IS 13095 of following sizes as required 100 mm dia Supplying, fixing, testing & commissioning of double flanged sluice valve	4	meter Each Set	5722	46240 22888	
84	27.9.2	Providing, laying, testing & commissioning of 'B' class heavy duty G.I. pipe conforming to IS 1239 including welding, fittings like elbows, tees, flanges, tapers, nuts, bolts, gaskets etc. and fixing the pipe on the wall/ceiling with suitable clamp/support frame and painting with twoor more coats of synthetic enamel paint of requiredshade complete as required 80 mm dia 100 mm dia Supplying and fixing single headed internal hydrant valve with instantaneous Gunmetal/Stainless Steel coupling of 63 mm dia with cast iron wheel ISI marked conforming to IS 5290 (Type -A) with blank Gunmetal/Stainless Steel cap and chain as required Single headed Stainless steel Supplying, fixing, testing and commissioning of butterfly valve of PN 1.6 rating with bronze/gunmetal seat duly ISI marked complete with nuts, bolts, washers, gaskets conforming to IS 13095 of following sizes as required 100 mm dia Supplying, fixing, testing & commissioning of double flanged sluice valve of rating PN 1.6 with non rising spindle, bronze/gun metal seat, ISI marked	4	meter Each	5722	46240 22888	
84	27.9.2	Providing, laying, testing & commissioning of 'B' class heavy duty G.I. pipe conforming to IS 1239 including welding, fittings like elbows, tees, flanges, tapers, nuts, bolts, gaskets etc. and fixing the pipe on the wall/ceiling with suitable clamp/support frame and painting with twoor more coats of synthetic enamel paint of requiredshade complete as required 80 mm dia 100 mm dia Supplying and fixing single headed internal hydrant valve with instantaneous Gunmetal/Stainless Steel coupling of 63 mm dia with cast iron wheel ISI marked conforming to IS 5290 (Type -A) with blank Gunmetal/Stainless Steel cap and chain as required Single headed Stainless steel Supplying, fixing, testing and commissioning of butterfly valve of PN 1.6 rating with bronze/gunmetal seat duly ISI marked complete with nuts, bolts, washers, gaskets conforming to IS 13095 of following sizes as required 100 mm dia Supplying, fixing, testing & commissioning of double flanged sluice valve of rating PN 1.6 with non rising spindle, bronze/gun metal seat, ISI marked complete with nuts, bolts, washers, gaskets andconforming to IS 780 of	4	meter Each Set	5722	46240 22888	
84	27.9.2	Providing, laying, testing & commissioning of 'B' class heavy duty G.I. pipe conforming to IS 1239 including welding, fittings like elbows, tees, flanges, tapers, nuts, bolts, gaskets etc. and fixing the pipe on the wall/ceiling with suitable clamp/support frame and painting with twoor more coats of synthetic enamel paint of requiredshade complete as required 80 mm dia 100 mm dia Supplying and fixing single headed internal hydrant valve with instantaneous Gunmetal/Stainless Steel coupling of 63 mm dia with cast iron wheel ISI marked conforming to IS 5290 (Type -A) with blank Gunmetal/Stainless Steel cap and chain as required Single headed Stainless steel Supplying, fixing, testing and commissioning of butterfly valve of PN 1.6 rating with bronze/gunmetal seat duly ISI marked complete with nuts, bolts, washers, gaskets conforming to IS 13095 of following sizes as required 100 mm dia Supplying, fixing, testing & commissioning of double flanged sluice valve of rating PN 1.6 with non rising spindle, bronze/gun metal seat, ISI marked complete with nuts, bolts, washers, gaskets andconforming to IS 780 of following sizes as required:	4 3	Each	5722	22888 22888	
84	27.9.2	Providing, laying, testing & commissioning of 'B' class heavy duty G.I. pipe conforming to IS 1239 including welding, fittings like elbows, tees, flanges, tapers, nuts, bolts, gaskets etc. and fixing the pipe on the wall/ceiling with suitable clamp/support frame and painting with twoor more coats of synthetic enamel paint of requiredshade complete as required 80 mm dia 100 mm dia Supplying and fixing single headed internal hydrant valve with instantaneous Gunmetal/Stainless Steel coupling of 63 mm dia with cast iron wheel ISI marked conforming to IS 5290 (Type -A) with blank Gunmetal/Stainless Steel cap and chain as required Single headed Stainless steel Supplying, fixing, testing and commissioning of butterfly valve of PN 1.6 rating with bronze/gunmetal seat duly ISI marked complete with nuts, bolts, washers, gaskets conforming to IS 13095 of following sizes as required 100 mm dia Supplying, fixing, testing & commissioning of double flanged sluice valve of rating PN 1.6 with non rising spindle, bronze/gun metal seat, ISI marked complete with nuts, bolts, washers, gaskets andconforming to IS 780 of following sizes as required:	4	meter Each Set	5722	46240 22888	
84	27.9.2	Providing, laying, testing & commissioning of 'B' class heavy duty G.I. pipe conforming to IS 1239 including welding, fittings like elbows, tees, flanges, tapers, nuts, bolts, gaskets etc. and fixing the pipe on the wall/ceiling with suitable clamp/support frame and painting with twoor more coats of synthetic enamel paint of requiredshade complete as required 80 mm dia 100 mm dia Supplying and fixing single headed internal hydrant valve with instantaneous Gunmetal/Stainless Steel coupling of 63 mm dia with cast iron wheel ISI marked conforming to IS 5290 (Type -A) with blank Gunmetal/Stainless Steel cap and chain as required Single headed Stainless steel Supplying, fixing, testing and commissioning of butterfly valve of PN 1.6 rating with bronze/gunmetal seat duly ISI marked complete with nuts, bolts, washers, gaskets conforming to IS 13095 of following sizes as required 100 mm dia Supplying, fixing, testing & commissioning of double flanged sluice valve of rating PN 1.6 with non rising spindle, bronze/gun metal seat, ISI marked complete with nuts, bolts, washers, gaskets andconforming to IS 780 of following sizes as required: 100 mm dia Supplying and fixing orifice plate made out of 6 mm thick stainless steel	32 4	Each	5722	22888 22888	
84	27.9.2	Providing, laying, testing & commissioning of 'B' class heavy duty G.I. pipe conforming to IS 1239 including welding, fittings like elbows, tees, flanges, tapers, nuts, bolts, gaskets etc. and fixing the pipe on the wall/ceiling with suitable clamp/support frame and painting with twoor more coats of synthetic enamel paint of requiredshade complete as required 80 mm dia 100 mm dia Supplying and fixing single headed internal hydrant valve with instantaneous Gunmetal/Stainless Steel coupling of 63 mm dia with cast iron wheel ISI marked conforming to IS 5290 (Type -A) with blank Gunmetal/Stainless Steel cap and chain as required Single headed Stainless steel Supplying, fixing, testing and commissioning of butterfly valve of PN 1.6 rating with bronze/gunmetal seat duly ISI marked complete with nuts, bolts, washers, gaskets conforming to IS 13095 of following sizes as required 100 mm dia Supplying, fixing, testing & commissioning of double flanged sluice valve of rating PN 1.6 with non rising spindle, bronze/gun metal seat, ISI marked complete with nuts, bolts, washers, gaskets andconforming to IS 780 of following sizes as required: 100 mm dia Supplying and fixing orifice plate made out of 6 mm thick stainless steel (Grade 304) with orifice of required size to be fitted between flange &	4 3	Each	5722	22888 22888	
84	27.9.2 27.11.5	Providing, laying, testing & commissioning of 'B' class heavy duty G.I. pipe conforming to IS 1239 including welding, fittings like elbows, tees, flanges, tapers, nuts, bolts, gaskets etc. and fixing the pipe on the wall/ceiling with suitable clamp/support frame and painting with twoor more coats of synthetic enamel paint of requiredshade complete as required 80 mm dia 100 mm dia Supplying and fixing single headed internal hydrant valve with instantaneous Gunmetal/Stainless Steel coupling of 63 mm dia with cast iron wheel ISI marked conforming to IS 5290 (Type -A) with blank Gunmetal/Stainless Steel cap and chain as required Single headed Stainless steel Supplying, fixing, testing and commissioning of butterfly valve of PN 1.6 rating with bronze/gunmetal seat duly ISI marked complete with nuts, bolts, washers, gaskets conforming to IS 13095 of following sizes as required 100 mm dia Supplying, fixing, testing & commissioning of double flanged sluice valve of rating PN 1.6 with non rising spindle, bronze/gun metal seat, ISI marked complete with nuts, bolts, washers, gaskets andconforming to IS 780 of following sizes as required: 100 mm dia Supplying and fixing orifice plate made out of 6 mm thick stainless steel	32 4	Each	5722	22888 22888	

		TOTAL B.O.Q AMOUNT OF SCHEDULE RATE ITEM (1 TO 96 sr. nos)	A+B+C+D+E+ F+G+H		RS	649 7 -6502834
		Total Cost For Fire Hydrant System			Н	228912
96	27.22	Providing & fixing of pressure switch in M.S. pipe line including connection etc. as required.	1	Each	1442	1442
95	27.2	required accessories, pressure gauge andpaintingwith synthetic enamel paint of approved shade as required.	1	Set	17707	17707
		Supplying and fixing air vessel made of 250 mm dia, 8 mm thick MSsheet, 1200 mm in height with air release valve on top and flangedconnection to riser, drain arrangement with 25 mm dia gun metalwheel valve with				
94	27.19.1	reqd. for suitable dia MS pipe connection conforming to IS904 as required : 2 way-100 mm dia M.S. Pipe	2	Set	6331	: 12662
		Supplying and fixing of fire brigade connection of cast iron body withgun metal male instantaneous inlet couplings complete with cap andchain as				
	27.18.2	Stainless steel (Grade 304)	4	Each	1631	6524
93		Supplying & fixing 63 mm dia gun metal short branch pipe with 20 mm nominal internal diameter size nozzle conforming to 15 903 suitable for instantaneous connection to interconnect hose pipe coupling as required				
92	27.17.2	40 m	4	set	9616	38464
		Connections from riser with 25 mm dia stop gun metal valve & M.S. Pipe and socket				
91		following asrequired. 20 mm nominal internal dia water hose thermoplastic (Textile reinforced) type -2 as per IS: 12585 20 mm nominal internal dia gun metal globe valve & nozzle. Drum and brackets				
		Supplying and fixing first-aid Hose Reel with MS construction spray painted in post office red, conforming to IS 884 complete with the				
90		male and female couplings duly bound with GI wire, rivets etc. conforming to IS 636 (type-A) as required Stainless steel (Grade 304)	4	Set	4445	17780
-		100 mm dia Supplying and fixing 63 mm dia, 15 m long RRL hose pipe with 63 mm dia	-	COUNT	00.0	
89		Providing, installation, testing and commissioning of stainless steel Ystrainer fabricated out of 1.6 mm thick stainless steel, Grade 304, sheet with 3 mm dia holes with stainless steel flange.	2	Each	6048	12096
	27.14.5	100 mm dia	1	Set	10478	10478
88	01 1	Providing, installation, testing and commissioning of non-return valve of following sizes confirming to IS: 5312 complete with rubber gasket, GI bolts, nuts, washers etc.as required				

AGOD DE LE LE COPY

Engineer Assistant Engineer
L.A.E.O , WD-01, BETTIAH

Executive Engineer
L.A.E.O , WD-01, BETTIAH

BOQ is approved from serial No. 1 to 32 for Building work and serial No. 1 to 96 for w.s works, Sewage & Drainage, tubewell septic tank, Electrification and fire hydrant work for amount of £ 6497367.

(Sixty four Lac ninely seven thousands three

सहायक अभियंता स्था० क्षेत्र अभि० संगठन तिरहुत प्रमंडल, मुजफ्फरपुर योजना एवं विकास विभाग स्थानीय क्षेत्र अभिवंत्रण संगटन तिरहुत प्रमंडल, मुजफ्फरपुर

d. Poloz 111/2

योजना एवं विकास विभाग स्थानीय क्षेत्र अभियंत्रण संग न किरहत प्रमंडल, मुजफ्फरपुर

		1	-	
	1	1	5	
6	1	0	5	1
11		V	1	

-	-
1	ul
60	V
	/

				•
	each	each	Σ	each
	9	9	100	2
split AC units indoor / outdoor (copper condenser) complete with pipping, cordless remote control units, copper pipe, stands etc.as required. EER 3.5 of capacity	1.5 TR	Supply and installation of reputed, approved make of ISI mark copper wounded heavy duty voltage stabilizer suitable for 1.5 TR AC, all complete with all safety features, including Hi- Low cut off, TDR facility, voltage range from 130-280 volts etc. with all plugs, sockets, switches etc capacity 4KVA	Supply and laying 30 X 2.5 SQMM Cable for connection of AC	Mian table with back unit main table size 1800 x 1800 x 780 H back unit size 1800x400x2000 top made of 500 mm thick structure through out. Top depth -1800 mm L X 800 MM DX 750MM one set of three drawers W550 mm inegrated with the main top, Sides return size -W905 mm x 500 mm x750 mm one oprn self for CPU / File keeping table top aluminium id provided with flip cover is provided for easy management of wires. The whole table is integrated as one unit, lather handles are provided for opening of drawers and provided in dual combination of rose wood and black ,(including OH 15% contactor profit and 1% Labour cess) make: Featherlight, wipro, Marino or equivalent as per direction oo E/I.
MR		MR	MR	MR
m		4	Ŋ	φ .
	1 1		Villa Control	

				•		
						RS
each	each	each	each	each	each	
7	LO.	30	νo	-	+	
High back with imported lather chair with multilocking and gas lift with Alu.Buffed arms and base (with head rest) (Including OH & CP -15%, LC-1%) make ;Featherlight, wipro, Marino, or equvalent as per direction of E/I.	Executive medium back with imported lather chair with multi locking with gas lift Alu. Buffed arms and base (including 15% OH & CP, LC -1%) make: ;Featherlight, wipro, Marino, or equvalent as per direction of E/I.	Visitor chair with chrome platted slage base and fixes arms, latherite back and seat. (including 15% OH & CP , LC -1%) make: ;Featherlight, wipro, Marino, or equvalent as per direction of E/I.	Cupboard swing doors with fours selves five levels of box file, capacity=50 box files. W900 X D450 X H770. (Incuding 15% OH & CP, LC-1%) make:Featherlight, wipro, Marino, or equvalent as per direction of E/I	Dash board units of requred height & width for c.f hall ISI marks: (Incuding 15% OH & CP, LC-1%) make:Featherlight, wipro, Marino, or equvalent as per direction of E/I	Supply & fixing veice mike speaker wall hanging speaker with amplifier of ISI marks or reputed brand manufacturer for dash board mike.etc (Incuding 15% OH & CP , LC-1%) make: Ahuja ,sony ,Lg, samsung , or equvalent as per direction of E/I all complete job.	
10>>0	the res all to	MR	MR.	MR	MR	
~	0	6	01	£	12	
9	2	00	6	10	£.	

\$