

TS Register No: 726/2019-2020

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**UP-GRADATION OF GOVT ITI DHANUVACHAPURAM ON PAR WITH
INTERNATIONAL STANDARDS- MAIN BUILDING, SUMP TANK, FRONT
GATE AND COMPOUND WALL-PHASE 1- REV-2**

Detailed Estimate

(Dsr year: 2016, Cost Index Applied for this estimate is 37.93%)

Sl No	Description	No	L	B	D	CF	Quantity	Remark
1 MAIN BUILDING CIVIL WORKS								
1	2.6.1 Earth work in excavation by mechanical means (Hydraulic excavator)/manual means 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 up to 50 m and lift up to 1.5 m, disposed earth to be levelled and neatly dressed. All kinds of soil							
	FOOTING							
	FC1	96	1.5+.6	1.5+.6	1.500		635.040	
	FC2	11	1.3+.6	1.3+.6	1.500		59.565	
	LIFT LI	1	2.6+.6	3+.6	1.700		19.585	
	LIFT	1	3+.6	3.4+.6	1.700		24.480	
							Total Quantity	738.670 cum
							Total Deducted Quantity	0.000 cum
							Net Total Quantity	738.670 cum
							Say 738.670 cum @ Rs 173.72 / cum	Rs 128321.75
2	2.25 Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m.							
	FOOTING EXCAVATION							
	FC1	96	1.5+.6	1.5+.6	1.500		635.040	
	FC2	11	1.3+.6	1.3+.6	1.500		59.565	
	LIFT LI	1	2.6+.6	3+.6	1.700		19.585	
	LIFT	1	3+.6	3.4+.6	1.700		24.480	
	FOOTING PCC							
	FC1	96	1.5+.3	1.5+.3	0.100		-31.104	
	FC2	11	1.3+.3	1.3+.3	0.100		-2.816	
	LIFT LI	1	2.6+.3	3+.3	0.100		-0.956	

	LIFT	1	3+.3	3.4+.3	0.100		-1.221		
	FOOTING RCC								
	FC1	96	1.500	1.500	0.500		-108.000		
		96	(1.5*1.5+1*1+1.5)/3		0.250		-38.000	LENGTH = FRUSTUM AREA	
	FC2	11	1.300	1.300	0.350		-6.506		
		11	(1.3*1.3+.9*.9+1.17)/3		0.250		-3.364	LENGTH = FRUSTUM AREA	
	LIFT LI	1	2.600	3.000	0.600		-4.680		
	LIFT L2	1	3.000	3.400	0.600		-6.119		
	STUB COLUMN								
	C1	33	1.4-.3	0.300	0.600		-6.534		
	C1	62	1.400	0.300	0.600		-15.624		
	C2	3	1.5-.3	0.300	0.300		-0.324		
	C2	9	1.500	0.300	0.300		-1.215		
	LIFT PIT								
	LIFT PIT L1	1	2.400	2.800	1.700		-11.424		
	LIFT PIT L2	1	2.000	2.400	1.700		-8.160		
	PLINTH FILLING								
	BELOW S1	1	506.470		.75-.3-.1		177.265	LENGTH = AREA	
	BELOW PCC	1	1298.330		.75-.1		843.915	LENGTH = AREA	
	Total Quantity						1759.850 cum		
	Total Deducted Quantity						-246.047 cum		
	Net Total Quantity						1513.803 cum		
	Say 1513.803 cum @ Rs 173.45 / cum						Rs 262569.13		
3	4.1.8	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 nominal size)							
	FOOTING								

	FC1	96	1.5+.3	1.5+.3	0.100		31.105	
	FC2	11	1.3+.3	1.3+.3	0.100		2.817	
	LIFT LI	1	2.6+.3	3+.3	0.100		0.957	
	LIFT	1	3+.3	3.4+.3	0.100		1.221	
FOR RC GRADE SLAB								
	FOR S3	1	506.470		0.100		50.648	LENGTH = AREA
FOR GRADE BEAM								
	B1	1	280.400	.3+.2	0.100		14.020	
	B1	1	666.500	.3+.2	0.100		33.325	
	B2	1	47.700	.3+.2	0.100		2.386	
Total Quantity							136.479 cum	
Total Deducted Quantity							0.000 cum	
Net Total Quantity							136.479 cum	
Say 136.479 cum @ Rs 6176.71 / cum							Rs 842991.20	
4	4.1.3 Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:2:4 (cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)							
PCC FOR GROUND FLOOR SLAB								
	SLAB	1	1298.340		0.100		129.834	LENGTH = AREA
DUMMY COLUMN TERRACE								
	C1	86+2	1.500	0.300	0.600		23.760	
	C2	12	1.500	0.300	0.300		1.620	
Total Quantity							155.214 cum	
Total Deducted Quantity							0.000 cum	
Net Total Quantity							155.214 cum	
Say 155.214 cum @ Rs 7561.25 / cum							Rs 1173611.86	
5	4.3.1 Centering and shuttering including strutting, propping etc. and removal of form work for:Foundations, footings, bases for columns							
FOOTING								
	FC1	96	4*1.8		0.100		69.120	
	FC2	11	4*1.6		0.100		7.041	

	LIFT LI	1	$2*(2.9+3.3)$)		0.100		1.240	
	LIFT	1	$2*(3.3+3.7)$)		0.100		1.401	
FOR GRADE BEAM								
	B1	2	280.400		0.100		56.080	
	B1	2	666.500		0.100		133.300	
	B2	2	47.700		0.100		9.541	
Total Quantity							277.723 sqm	
Total Deducted Quantity							0.000 sqm	
Net Total Quantity							277.723 sqm	
Say 277.723 sqm @ Rs 267.52 / sqm							Rs 74296.46	
6	5.33.1 Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer - in-charge. Note:- Cement content considered in this item is @ 330 kg/ cum. Excess or less cement used as per design mix is payable or recoverable separately. All work upto plinth level							
FOOTING								
	FC1	96	1.500	1.500	0.500		108.000	
		96	$(1.5*1.5+1*1+1.5)/3$		0.250		38.000	LENGTH = FRUSTUM AREA
	FC2	11	1.300	1.300	0.350		6.507	
		11	$(1.3*1.3+.9*1.17)/3$		0.250		3.365	LENGTH = FRUSTUM AREA
	LIFT LI	1	2.600	3.000	0.600		4.681	
	LIFT L2	1	3.000	3.400	0.600		6.120	
GRADE BEAM								
	B1	1	280.540	0.300	.6-.3		25.249	
	B1	1	666.500	0.300	0.600		119.970	
	B2	1	47.700	0.300	0.600		8.586	

GRADE SLAB								
SLAB	1	293+304		0.300		179.100	LENGTH = AREA	
STUB COLUMN								
C1	33	1.4-.3	0.300	0.600		6.534		
C1	62	1.400	0.300	0.600		15.624		
C2	3	1.5-.3	0.300	0.300		0.324		
C2	9	1.500	0.300	0.300		1.215		
LIFT PIT								
LIFT PIT L1	1	7.000	0.200	1.750		2.450		
LIFT PIT L2	1	2.800	0.200	1.150		0.644		
LIFT PIT L2	1	5.800	0.200	1.750		2.030		
Total Quantity						528.399 cum		
Total Deducted Quantity						0.000 cum		
Net Total Quantity						528.399 cum		
Say 528.399 cum @ Rs 8891.66 / cum						Rs 4698344.25		
7	5.33.2 Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer - in-charge. Note:- Cement content considered in this item is @ 330 kg/ cum. Excess or less cement used as per design mix is payable or recoverable separately. All work above plinth level upto floor V level							
GROUND FLOOR COLUMN								
C1	95	4.65-.15	0.300	0.600		76.950		
C2	12	4.65-.15	0.300	0.300		4.860		
FIRST FLOOR COLUMN								
C1	86+2	3.600	0.300	0.600		57.024		
C2	12	3.600	0.300	0.300		3.888		
GROUND FLOOR ROOF BEAM								
B1	1	865.940	0.300	0.600-.15		116.902		
B2	1	56.840	0.300	0.600-.15		7.674		
B3	1	48.880	0.300	0.300-.15		2.200		

	B4	1	133.520	0.300	0.800-.15		26.037	
FIRST FLOOR ROOF BEAM								
	B1	1	859.300	0.300	0.600-.15		116.006	
	B2	1	56.840	0.300	0.600-.15		7.674	
	B3	1	48.880	0.300	0.300-.15		2.200	
	B5	1	14.78+12.89+12.89	0.300	.3-.15		1.826	
	H1	9	1.200	0.300	.5*(.3-.15)+.5-.15)		0.810	
	H1	2	1.700	0.300	.5*(.3-.15)+.5-.15)		0.255	
GROUND FLOOR ROOF SLAB								
		1	2070.000		0.150		310.500	LENGTH = AREA
FIRST FLOOR ROOF SLAB								
		1	1849.640		0.150		277.446	LENGTH = AREA
Other Elements STAIRCASE GROUND FLOOR TYPE 2								
	FLIGHT 1 WAIST SLAB	2*1	2.660	2.000	0.150		1.596	
	FLIGHT 2 DITTO	2*1	4.380	2.000	0.150		2.628	
	FLIGHT 3 DITO	2*1	3.700	2.000	0.150		2.220	
	LANDING	2*2	1.900	2.000	0.150		2.280	
	STEPS	2*0.5*31	2.000	0.300	0.150		2.790	
	LANDING BEAM	2*1	2*7.4+6.2+6.5	0.200	.45-.15		3.301	
GROUND FLOOR STAIRCASE TYPE 1								
	FLIGHT 1 WAIST SLAB	1	1.340	2.000	0.150		0.402	
	FLIGHT 2 WAIST SLAB	1	4.050	2.000	0.150		1.215	
	FLIGHT 3 WAIST SLAB	1	1.340	2.000	0.150		0.402	
	FLIGHT 4 WAIST SLAB	1	3.730	2.000	0.150		1.119	

	LANDING BEAM	3	1.900	2.000	0.150		1.710	
	STEPS	0.5*31	2.000	0.300	0.150		1.395	
	LANDING BEAM	1	2*6.5+2*4. 5	0.200	.45-.15		1.321	
STAIRCASE FIRST FLOOR TYPE 2								
	FLIGHT 1 WAIST SLAB	1	2.020	2.000	0.150		0.606	
	FLIGHT 2 DITTO	1	4.050	2.000	0.150		1.215	
	FLIGHT 3 DITTO	1	2.020	2.000	0.150		0.606	
	LANDING	2	1.900	2.000	0.150		1.140	
	STEPS	0.5*26	2.000	0.300	0.150		1.170	
	LANDING BEAM	1	2*7.4+6.2 +6.5	0.200	.45-.15		1.651	
STAIRCASE FIRST FLOOR TYPE 3								
	FLIGHT 1 WAIST SLAB	1	4.090	2.000	0.150		1.227	
	FLIGHT 2 DITTO	1	3.690	2.000	0.150		1.107	
	LANDING	1	4.000	2.200	0.150		1.320	
	STEPS	0.5*22	2.000	0.300	0.150		0.990	
	LANDING BEAM	1	4.000	0.200	.45-.15		0.241	
RC PARAPETT								
	FIRST FLOOR	1	178.700	1.440	0.100		25.733	
	TERRACE	1	188.00000	1.450	0.100		27.260	
FIRST FLOOR SUNSHADE								
		1	18*1.56+2 8.62		0.100		5.671	LENGTH = AREA
STAIR ROOM COVER SLAB								
		1	60.64+34. 96		0.100		9.560	LENGTH = AREA
LIFT WALL GROUND FLOOR								
	LIFT PIT L1	1	7.000	0.200	4.500		6.301	
	LIFT PIT L2	1	2.800	0.200	4.65-.6		2.269	
	LIFT PIT L2	1	5.800	0.200	4.65-.15		5.220	
LIFT WALL FIRST FLOOR								
	LIFT PIT L1	1	7.000	0.200	3.75-.15		5.041	

	LIFT PIT L2	1	2.800	0.200	3.75-.6		1.764	
	LIFT PIT L2	1	5.800	0.200	3.75-.15		4.176	
	LINTEL GROUND FLOOR							
	GROUND FLOOR	2	591.000	0.200	0.150		35.460	
	FIRST FLOOR LINTEL							
	LINTEL FIRST FLOOR	2	457.400	0.200	0.150		27.444	
	Total Quantity						1201.803 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						1201.803 cum	
	Say 1201.803 cum @ Rs 9999.99 / cum						Rs 12018017.98	
8	5.9.1 Centering and shuttering including strutting, etc. and removal of form for:Foundations, footings, bases of columns, etc for mass concrete							
	FOOTING							
	FC1	96	4*1.5		0.500		288.000	
	FC2	11	4*1.3		0.350		20.020	
	LIFT LI	1	2*(2.600+3)		0.600		6.720	
	LIFT L2	1	2*(3.000+3.4)		0.600		7.680	
	Total Quantity						322.420 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						322.420 sqm	
	Say 322.420 sqm @ Rs 267.52 / sqm						Rs 86253.80	
9	5.9.6 Centering and shuttering including strutting, etc. and removal of form for:Columns, Pillars, Piers, Abutments, Posts and Struts							
	DUMMY COLUMN TERRACE							
	C1	86+2	1.500		1.800		237.601	
	C2	12	1.500		1.200		21.600	
	STUB COLUMN							
	C1	33	1.4-.3		1.800		65.340	
	C1	62	1.400		1.800		156.240	
	C2	3	1.5-.3		1.200		4.320	

	C2	9	1.500		1.200		16.200	
	GROUND FLOOR COLUMN							
	C1	95	4.65-.15		1.800		769.500	
	C2	12	4.65-.15		1.200		64.800	
	FIRST FLOOR COLUMN							
	C1	86+2	3.600		1.800		570.240	
	C2	12	3.600		1.800		77.760	
	Total Quantity						1983.601 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						1983.601 sqm	
	Say 1983.601 sqm @ Rs 645.31 / sqm						Rs 1280037.56	
10	5.9.5 Centering and shuttering including strutting, etc. and removal of form for:Lintels, beams, plinth beams, girders bressumers and cantilevers							
	GRADE BEAM							
	B1	2	280.540		.6-.3		168.324	
	B1	2	666.500		0.600		799.800	
	B2	2	47.700		0.600		57.240	
	GROUND FLOOR ROOF BEAM							
	B1	1	865.940		.45+.3+.45		1039.128	
	B2	1	56.840		.45+.3+.45		68.208	
	B3	1	48.880		.15+.3+.15		29.328	
	B4	1	133.520		.65+.3+.65		213.633	
	FIRST FLOOR ROOF BEAM							
	B1	1	859.300		.45+.3+.45		1031.160	
	B2	1	56.840		.45+.3+.45		68.208	
	B3	1	48.880		.15+.3+.15		29.328	
	B5	1	14.78+12.89+12.89		.15+.3+.15		24.337	
	H1	9	1.200		.25+.3+.25		8.640	
	H1	2	1.700		.25+.3+.25		2.720	
	GROUND FLOOR LINTEL							
	LINTEL	2*2	591.000	0.150			354.600	
	FIRST FLOOR LINTEL							

	LINTEL	2*2	457.400	0.150			274.440	
	Total Quantity						4169.094 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						4169.094 sqm	
	Say 4169.094 sqm @ Rs 472.96 / sqm						Rs 1971814.70	
11	5.9.7 Centering and shuttering including strutting, etc. and removal of form for:Stairs, (excluding landings) except spiral - staircases)							
	STAIRCASE GROUND FLOOR TYPE 2							
	FLIGHT 1 WAIST SLAB	2*1	2.660	2.000			10.640	
	DITTO SIDES	2*1*2	2.660		0.300		3.192	
	FLIGHT 2 DITTO	2*1	4.380	2.000			17.520	
	DITTO SIDES	2*1*2	4.380		0.300		5.256	
	FLIGHT 3 DITO	2*1	3.700	2.000			14.800	
	DITTO SIDES	2*1*2	3.700		0.300		4.440	
	LANDING	2*2	1.900	2.000			15.200	
	DITTO SIDES	2*2	4.000		0.150		2.400	
	STEPS	2*30	2.000		0.150		18.000	
	LANDING BEAM	2*1	2*7.4+6.2 +6.5		.3+.2+.3		44.000	
	GROUND FLOOR STAIRCASE TYPE 1							
	FLIGHT 1 WAIST SLAB	1	1.340	2.000			2.680	
		1*2	1.340		0.300		0.804	
	FLIGHT 2 WAIST SLAB	1	4.050	2.000			8.100	
		1*2	4.050		0.300		2.430	
	FLIGHT 3 WAIST SLAB	1	1.340	2.000			2.680	
		2	1.340		0.300		0.804	
	FLIGHT 4 WAIST SLAB	1	3.730	2.000			7.460	
		2	3.730		0.300		2.238	
	LANDING SLAB	3	1.900	2.000			11.400	

	DITTO SIDE	3	4.000		0.150		1.800	
	STEPS	31	2.000		0.150		9.300	
	LANDING BEAM	1	2*6.5+2*4. 5		.3+.2+.3		17.600	
STAIRCASE FIRST FLOOR TYPE 2								
	FLIGHT 1 WAIST SLAB	1	2.020	2.000			4.040	
	DITTO SIDES	2	2.020		0.300		1.212	
	FLIGHT 2 DITTO	1	4.050	2.000			8.100	
	DITTO SIDES	2	4.050		0.300		2.430	
	FLIGHT 3 DITO	1	2.020	2.000			4.040	
	DITTO SIDES	2	2.020		0.300		1.212	
	LANDING	2	1.900	2.000			7.600	
	DITTO SIDES	2	4.000		0.150		1.200	
	STEPS	25	2.000		0.150		7.500	
	LANDING BEAM	1	2*7.4+6.2 +6.5		.3+.2+.3		22.000	
STAIRCASE FIRST FLOOR TYPE 3								
	FLIGHT 1 WAIST SLAB	1	4.090	2.000			8.180	
	DITTO SIDES	2	4.090		0.300		2.454	
	FLIGHT 2 DITTO	1	3.690	2.000			7.380	
	DITTO SIDES	2	3.690		0.300		2.214	
	LANDING	1	4.000	2.200			8.800	
	DITTO SIDES	1	8.400		0.150		1.260	
	STEPS	22	2.000		0.150		6.600	
	LANDING BEAM	1	4.000		.3+.2+.3		3.200	
Total Quantity							302.166 sqm	
Total Deducted Quantity							0.000 sqm	
Net Total Quantity							302.166 sqm	
Say 302.166 sqm @ Rs 578.41 / sqm							Rs 174775.84	
12	5.9.3 Centering and shuttering including strutting, etc. and removal of form for:Suspended floors, roofs, landings, balconies and access platform							
GRADE SLAB								

	SIDES	1	75.85+77. 2		0.300		45.915	
GROUND FLOOR ROOF SLAB								
	BOTTOM	1	2070.000				2070.000	LENGTH = AREA
	SIDES	1	291.000		0.150		43.650	
FIRST FLOOR ROOF SLAB								
	BOTTOM	1	1849.640				1849.640	LENGTH = AREA
	SIDES	1	290.000		0.150		43.500	
GROUND FLOOR COLUMN								
	C1	95		0.300	0.600		-17.099	
	C2	12		0.300	0.300		-1.080	
FIRST FLOOR COLUMN								
	C1	86+2		0.300	0.600		-15.840	
	C2	12		0.300	0.300		-1.080	
GROUND FLOOR ROOF BEAM								
	B1	1	865.940	0.300			-259.781	
	B2	1	56.840	0.300			-17.052	
	B3	1	48.880	0.300			-14.664	
	B4	1	133.520	0.300			-40.056	
FIRST FLOOR ROOF BEAM								
	B1	1	859.300	0.300			-257.789	
	B2	1	56.840	0.300			-17.052	
	B3	1	48.880	0.300			-14.664	
	B5	1	14.78+12. 89+12.89	0.300			-12.168	
	H1	9	1.200	0.300			-3.239	
	H1	2	1.700	0.300			-1.020	
STAIR ROOM COVER SLAB								
		1	60.64+34. 97				95.610	
	SIDES	1	55.730		0.100		5.573	
Total Quantity							4153.888 sqm	

		Total Deducted Quantity				-672.584 sqm			
		Net Total Quantity				3481.304 sqm			
		Say 3481.304 sqm @ Rs 582.48 / sqm				Rs 2027789.95			
13	5.9.2 Centering and shuttering including strutting, etc. and removal of form for:Walls (any thickness) including attached pilasters, buttersesses, plinth and string courses etc.								
LIFT PIT									
	LIFT PIT L1	2	7.000		1.750		24.500		
	LIFT PIT L2	2	2.800		1.150		6.440		
	LIFT PIT L2	2	5.800		1.750		20.300		
RC PARAPETT									
	FIRST FLOOR	2	178.700		1.440		514.656		
	TERRACE	2	188.00000		1.450		545.200		
LIFT WALL GROUND FLOOR									
	LIFT PIT L1	2	7.000		4.500		63.000		
	LIFT PIT L2	2	2.800		4.65-.6		22.681		
	LIFT PIT L2	2	5.800		4.65-.15		52.200		
LIFT WALL FIRST FLOOR									
	LIFT PIT L1	2	7.000		3.75-.15		50.400		
	LIFT PIT L2	2	2.800		3.75-.6		17.640		
	LIFT PIT L2	2	5.800		3.75-.15		41.760		
		Total Quantity				1358.777 sqm			
		Total Deducted Quantity				0.000 sqm			
		Net Total Quantity				1358.777 sqm			
		Say 1358.777 sqm @ Rs 522.20 / sqm				Rs 709553.35			
14	5.9.13 Centering and shuttering including strutting, etc. and removal of form for:Vertical and horizontal fins individually for forming box louvers band, facias and eaves boards								
FIRST FLOOR SUNSHADE									
	BOTTOM	1	18*1.56+2 8.62				56.700	LENGTH = AREA	
	SIDES	1	18*1.56+2 8.62		0.250		14.175	LENGTH = AREA	
		Total Quantity				70.875 sqm			
		Total Deducted Quantity				0.000 sqm			

	Net Total Quantity						70.875 sqm	
	Say 70.875 sqm @ Rs 865.99 / sqm						Rs 61377.04	
15	5.22.6 Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete upto plinth level Thermo - Mechanically Treated bars of grade Fe-500D or more							
	FOOTING	1	166.673			80.0	13333.840	LENGTH = VOLUME
	GRADE BEAM	1	153.805			160.0	24608.801	LENGTH = VOLUME
	GRADE SLAB	1	179.100			80.0	14328.000	LENGTH = VOLUME
	STUB COLUMN	1	23.679			230.0	5446.170	LENGTH = VOLUME
	LIFT PIT WALL	1	5.124			140.0	717.360	LENGTH = VOLUME
	Total Quantity						58434.171 kilogram	
	Total Deducted Quantity						0.000 kilogram	
	Net Total Quantity						58434.171 kilogram	
	Say 58434.171 kilogram @ Rs 78.07 / kilogram						Rs 4561955.73	
16	5.22A.6 Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete above plinth level. Thermo - Mechanically Treated bars of grade Fe-500D or more							
	G/F COLUMN	1	81.810			230.0	18816.300	LENGTH = VOLUME
	FIRST FLOOR COLUMN	1	60.912			230.0	14009.760	LENGTH = VOLUME
	G/F ROOF BEAM	1	152.813			160.0	24450.080	LENGTH = VOLUME
	F/F ROOF BEAM	1	128.771			160.0	20603.360	LENGTH = VOLUME

	G/F ROOF SLAB	1	310.500			80.0	24840.000	LENGTH = VOLUME
	F/F ROOF SLAB	1	277.446			80.0	22195.680	LENGTH = VOLUME
	STAIRS	1	14.815+7. 564+6.388 +4.885			140.0	4711.280	LENGTH = VOLUME
	RC PARAPET	1	32.993			100.0	3299.300	LENGTH = VOLUME
	SUNSHADE	1	5.671			100.0	567.100	LENGTH = VOLUME
	STAIR ROOM ROOF SLAB	1	9.560			80.0	764.801	LENGTH = VOLUME
	LIFT WALL G/F	1	13.790			140.0	1930.600	LENGTH = VOLUME
	LIFT WALL F/F	1	10.981			140.0	1537.340	LENGTH = VOLUME
	LINTEL G/F	1	35.600			100.0	3560.000	LENGTH = VOLUME
	LINTEL F/F	1	27.440			100.0	2744.000	LENGTH = VOLUME
	Total Quantity						144029.601 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						144029.601 kg	
	Say 144029.601 kg @ Rs 78.07 / kg						Rs 11244390.95	
17	5.34.1 Extra for providing richer mixes at all floor levels. Note:- Excess/less cement over the specified cement content used is payable/ recoverable separately. Providing M-30 grade concrete instead of M-25 grade BMC/RMC. (Note:- Cement content considered in M-30 is @ 340 kg/cum).							
	FOOTING							

	FC1	96	1.500	1.500	0.500		108.000	
		96	$(1.5*1.5+1*1+1.5)/3$		0.250		38.000	LENGTH = FRUSTUM AREA
	FC2	11	1.300	1.300	0.350		6.507	
		11	$(1.3*1.3+9*9+1.17)/3$		0.250		3.365	LENGTH = FRUSTUM AREA
	LIFT LI	1	2.600	3.000	0.600		4.681	
	LIFT L2	1	3.000	3.400	0.600		6.120	
GRADE BEAM								
	B1	1	280.540	0.300	.6-.3		25.249	
	B1	1	666.500	0.300	0.600		119.970	
	B2	1	47.700	0.300	0.600		8.586	
GRADE SLAB								
	SLAB	1	293+304		0.300		179.100	LENGTH = AREA
Other Engineering Dispositions STUB COLUMN								
	C1	33	1.4-.3	0.300	0.600		6.534	
	C1	62	1.400	0.300	0.600		15.624	
	C2	3	1.5-.3	0.300	0.300		0.324	
	C2	9	1.500	0.300	0.300		1.215	
LIFT PIT								
	LIFT PIT L1	1	7.000	0.200	1.750		2.450	
	LIFT PIT L2	1	2.800	0.200	1.150		0.644	
	LIFT PIT L2	1	5.800	0.200	1.750		2.030	
GROUND FLOOR COLUMN								
	C1	95	4.65-.15	0.300	0.600		76.950	
	C2	12	4.65-.15	0.300	0.300		4.860	
FIRST FLOOR COLUMN								
	C1	86+2	3.600	0.300	0.600		57.024	
	C2	12	3.600	0.300	0.300		3.888	
GROUND FLOOR ROOF BEAM								

B1	1	865.940	0.300	0.600-.15		116.902	
B2	1	56.840	0.300	0.600-.15		7.674	
B3	1	48.880	0.300	0.300-.15		2.200	
B4	1	133.520	0.300	0.800-.15		26.037	
FIRST FLOOR ROOF BEAM							
B1	1	859.300	0.300	0.600-.15		116.006	
B2	1	56.840	0.300	0.600-.15		7.674	
B3	1	48.880	0.300	0.300-.15		2.200	
B5	1	14.78+12.89+12.89	0.300	.3-.15		1.826	
H1	9	1.200	0.300	.5*(.3-.15+.5-.15)		0.810	
H1	2	1.700	0.300	.5*(.3-.15+.5-.15)		0.255	
GROUND FLOOR ROOF SLAB							
	1	2070.000		0.150		310.500	LENGTH = AREA
FIRST FLOOR ROOF SLAB							
	1	1849.640		0.150		277.446	LENGTH = AREA
STAIRCASE GROUND FLOOR TYPE 2							
FLIGHT 1 WAIST SLAB	2*1	2.660	2.000	0.150		1.596	
FLIGHT 2 DITTO	2*1	4.380	2.000	0.150		2.628	
FLIGHT 3 DITO	2*1	3.700	2.000	0.150		2.220	
LANDING	2*2	1.900	2.000	0.150		2.280	
STEPS	2*0.5*31	2.000	0.300	0.150		2.790	
LANDING BEAM	2*1	2*7.4+6.2+6.5	0.200	.45-.15		3.301	
GROUND FLOOR STAIRCASE TYPE 1							
FLIGHT 1 WAIST SLAB	1	1.340	2.000	0.150		0.402	
FLIGHT 2 WAIST SLAB	1	4.050	2.000	0.150		1.215	

	FLIGHT 3 WAIST SLAB	1	1.340	2.000	0.150		0.402	
	FLIGHT 4 WAIST SLAB	1	3.730	2.000	0.150		1.119	
	LANDING BEAM	3	1.900	2.000	0.150		1.710	
	STEPS	0.5*31	2.000	0.300	0.150		1.395	
	LANDING BEAM	1	2*6.5+2*4. 5	0.200	.45-.15		1.321	
STAIRCASE FIRST FLOOR TYPE 2								
	FLIGHT 1 WAIST SLAB	1	2.020	2.000	0.150		0.606	
	FLIGHT 2 DITTO	1	4.050	2.000	0.150		1.215	
	FLIGHT 3 DITO	1	2.020	2.000	0.150		0.606	
	LANDING	2	1.900	2.000	0.150		1.140	
	STEPS	0.5*26	2.000	0.300	0.150		1.170	
	LANDING BEAM	1	2*7.4+6.2 +6.5	0.200	.45-.15		1.651	
STAIRCASE FIRST FLOOR TYPE 3								
	FLIGHT 1 WAIST SLAB	1	4.090	2.000	0.150		1.227	
	FLIGHT 2 DITTO	1	3.690	2.000	0.150		1.107	
	LANDING	1	4.000	2.200	0.150		1.320	
	STEPS	0.5*22	2.000	0.300	0.150		0.990	
	LANDING BEAM	1	4.000	0.200	.45-.15		0.241	
STAIR ROOM COVER SLAB								
		1	60.64+34. 96		0.100		9.560	LENGTH = AREA
LIFT WALL GROUND FLOOR								
	LIFT PIT L1	1	7.000	0.200	4.500		6.301	
	LIFT PIT L2	1	2.800	0.200	4.65-.6		2.269	
	LIFT PIT L2	1	5.800	0.200	4.65-.15		5.220	
LIFT WALL FIRST FLOOR								
	LIFT PIT L1	1	7.000	0.200	3.75-.15		5.041	
	LIFT PIT L2	1	2.800	0.200	3.75-.6		1.764	
	LIFT PIT L2	1	5.800	0.200	3.75-.15		4.176	

						Total Quantity	1608.634 cum
						Total Deducted Quantity	0.000 cum
						Net Total Quantity	1608.634 cum
						Say 1608.634 cum @ Rs 95.86 / cum	Rs 154203.66
18	6.47	Providing and laying autoclaved aerated cement blocks masonry with 150mm/230mm/300 mm thick AAC blocks in super structure above plinth level up to floor Vlevel with RCC band at sill level and lintel level with approved block laying polymermodified adhesive mortar all complete as per direction of Engineer-in-Charge. (Thepayment of RCC band and reinforcement shall be made for seperately).					
		GF					
	OAMT Workshop	2	24.800	0.200	3.750		37.200
		1	7.300	0.200	3.750		5.475
		1	9.400	0.200	3.750		7.051
		3	4.400	0.200	3.750		9.900
		1	5.300	0.200	3.750		3.975
		1	3.200	0.200	3.750		2.401
	electrical room	1	7.400	0.200	3.750		5.551
		1	8.500	0.200	3.750		6.376
		1	2.200	0.200	3.750		1.651
	smw workshop	2	24.400	0.200	3.750		36.600
		2	10.200	0.200	3.750		15.300
		3	6.100	0.200	2.400		8.784
		4	1.200	0.200	2.400		2.304
		1	10.800	0.200	3.750		8.101
		2	2.700	0.200	3.750		4.051
	Ladies toilet	3	10.500	0.200	3.750		23.625
		9	1.500	0.200	2.400		6.480
		1	6.000	0.200	3.750		4.501
	Superintendent room	1	5.400	0.200	3.750		4.051
		1	4.400	0.200	3.750		3.301
	principal room	1	7.200	0.200	3.750		5.400
		1	4.500	0.200	3.750		3.375
		1	2.500	0.200	3.750		1.875
		1	1.300	0.200	3.750		0.976

VIP room	2	5.800	0.200	3.750	8.700	
	5	3.700	0.200	3.750	13.876	
	1	1.500	0.200	3.750	1.126	
Cash	2	4.300	0.200	3.750	6.450	
	1	3.800	0.200	3.750	2.850	
Stair	1	3.800	0.200	3.750	2.850	
	3	5.000	0.200	3.750	11.250	
Office Room	1	13.200	0.200	3.750	9.900	
	1	9.000	0.200	3.750	6.750	
	1	16.800	0.200	3.750	12.601	
	2	7.200	0.200	3.750	10.800	
	3	6.600	0.200	3.750	14.851	
	2	1.800	0.200	2.400	1.729	
Gents Toilet	2	5.000	0.200	3.700	7.400	
	3	10.100	0.200	3.700	22.422	
	4	2.400	0.200	2.400	4.608	
Store	1	5.600	0.200	3.750	4.200	
Other Engineering Organizations	1	11.600	0.200	3.750	8.700	
	1	10.400	0.200	3.750	7.801	
	1	6.900	0.200	3.750	5.176	
stair 2 and GI cabin	1	6.500	0.200	3.750	4.875	
	1	4.000	0.200	3.750	3.000	
	1	7.300	0.200	3.750	5.475	
Seminar hall	3	15.900	0.200	3.750	35.776	
	2	15.000	0.200	3.750	22.500	
D1	15	1.000	2.100	0.200	-6.300	
D2	9	1.200	2.400	0.200	-5.183	
D3	7	0.800	2.100	0.200	-2.352	
W4	14	2.000	1.500	0.200	-8.400	
W2	5	1.000	1.500	0.200	-1.500	
V	6	0.500	0.600	0.200	-0.360	
RS	3	4.000	4.100	0.200	-9.840	
FF						

	Workshop	2	24.200	0.200	2.700		26.136	
		1	7.300	0.200	2.700		3.942	
		3	6.100	0.200	2.700		9.882	
		4	1.200	0.200	2.400		2.304	
		1	3.500	0.200	2.700		1.891	
		1	11.8	0.200	2.700		6.373	
		3	3.200	0.200	2.700		5.185	
	Stair	3	3.200	0.200	2.700		5.185	
	Class Room	8	6.200	0.200	2.700		26.785	
		5	9.600	0.200	2.700		25.920	
	Gents Toilet	3	7.780	0.200	2.700		12.604	
		1	1.100	0.200	2.700		0.595	
		4	1.500	0.200	2.400		2.881	
	Class room	3	6.600	0.200	2.700		10.693	
		2	11.500	0.200	2.700		12.421	
	Digital Library	2	17.600	0.200	2.700		19.009	
		1	4.800	0.200	2.700		2.592	
	Class Room	3	7.200	0.200	2.700		11.665	
		4	6.800	0.200	2.700		14.689	
	L Toilet	3	6.500	0.200	2.700		10.531	
		8	1.500	0.200	2.400		5.761	
	class room	3	9.500	0.200	2.700		15.391	
		4	7.000	0.200	2.700		15.121	
	TF							
	Parapet	4	46.000	0.150	0.900		24.840	
	Total Quantity						716.366 cum	
	Total Deducted Quantity						-33.935 cum	
	Net Total Quantity						682.431 cum	
	Say 682.431 cum @ Rs 7844.15 / cum						Rs 5353091.13	
19	13.4.2 12 mm cement plaster of mix:1:6 (1 cement : 6 coarse sand)							
	GF							
	Workshop	1	78.600		4.600		361.560	

		1	78.600		4.600		361.560	
	Toilet	1	41.400		4.600		190.440	
	ELE Room	1	25.600		4.600		117.760	
	lift	1	8.800		4.600		40.480	
	stair	1	33.800		1.000		33.800	
	SMW workshop	1	74.240		4.600		341.504	
		1	37.800		4.600		173.880	
	Toilet	1	47.200		4.600		217.120	
	Record room	1	14.400		4.600		66.240	
	Toilet	1	28.900		4.600		132.940	
		1	61.600		4.600		283.360	
	Principal Room	1	61.600		4.600		283.360	
		1	7.600		4.600		34.960	
	V P Room	1	16.400		4.600		75.440	
	VIP room	1	42.200		4.600		194.120	
	Cash	1	15.600		4.600		71.760	
	Stair	1	38.800		1.000		38.800	
		1	18.000		4.600		82.800	
	Visitors waiting	1	13.300		4.600		61.180	
	Office Room	1	33.400		4.600		153.640	
		1	38.200		4.600		175.720	
		1	41.400		4.600		190.440	
	Gents toilet	1	45.800		4.600		210.680	
	Store room	1	47.200		4.600		217.120	
	GI Cabin	1	9.400		4.600		43.240	
	Stair	1	39.900		1.000		39.900	
	Corridor	1	181.000		4.600		832.600	
		1	72.400		4.600		333.040	
	Seminar Hall	1	86.800		4.600		399.280	
	D1	16	1.000	2.100			-33.600	
	D2	11	1.200	2.400			-31.680	
	D3	32	0.800	2.100			-53.760	
	W2	1	1.000	1.500			-1.500	

	W4	16	2.000	1.500			-48.000	
	V	19	0.600	0.500			-5.700	
	FF							
	Workshop	1	68.000	3.600			244.800	
		1	51.100	3.600			183.960	
	Stair	3	38.900				116.700	
	Class room	10	36.000	3.600			1296.000	
	lift	2	4.100	3.600			29.520	
	G toilet	1	42.700	3.600			153.721	
	L tiolet	1	68.400	3.600			246.241	
		1	68.400	3.600			246.241	
	Library	1	56.500	3.600			203.400	
	Passage	1	168.500	3.600			606.600	
	D1	5	1.000	2.100			-10.500	
	D2	13	1.000	2.100			-27.300	
	D3	19	0.800	2.100			-31.920	
	W4	34	2.000	1.500			-102.000	
	V	14	0.500	6.000			-42.000	
	TF							
	Lift	2	8.200	3.000			49.200	
	Total Quantity						9135.107 sqm	
	Total Deducted Quantity						-387.960 sqm	
	Net Total Quantity						8747.147 sqm	
	Say 8747.147 sqm @ Rs 232.07 / sqm						Rs 2029950.40	
20	13.4.1 12 mm cement plaster of mix:1:4 (1 cement : 4 coarse sand)							
	GF							
	External wall	3	46.000	5.400			745.200	
		1	37.300	5.400			201.420	
	Car porch column	5	1.800	4.800			43.200	
		2	8.200	2.100			34.440	
		1	9.600	2.100			20.160	
	Vertical fin	36	0.600	5.200			112.321	

	RS	3	4.100	4.000			-49.199		
	FF								
	External wall	4	46.000	3.750			690.000		
	Central demo wall	4	7.000	3.750			105.000		
	TF								
	Parapet	4	46.000	2.000			368.000		
	lift	1	9.800	3.600			35.280		
	Total Quantity						2355.021 sqm		
	Total Deducted Quantity						-49.199 sqm		
	Net Total Quantity						2305.822 sqm		
	Say 2305.822 sqm @ Rs 249.45 / sqm						Rs 575187.30		
21	13.16.1 6 mm cement plaster of mix:1:3 (1 cement : 3 fine sand)								
	GF	1	1692.000				1692.000		
	FF	1	1394.000				1394.000		
	Total Quantity						3086.000 sqm		
	Total Deducted Quantity						0.000 sqm		
	Net Total Quantity						3086.000 sqm		
	Say 3086.000 sqm @ Rs 198.34 / sqm						Rs 612077.24		
22	22.5 Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying : a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/sqm. This layer will be allowed to air cure for 4 hours. b) Second layer of slurry of cement @ 0.242 kg /sqm mixed with water proofing cement compound @ 0.126 kg/ sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.								
	In toilets	1	98.440				98.440		
	Total Quantity						98.440 sqm		
	Total Deducted Quantity						0.000 sqm		
	Net Total Quantity						98.440 sqm		
	Say 98.440 sqm @ Rs 411.45 / sqm						Rs 40503.14		
23	od21358/2019_2020 Finish with top concrete surface of flooring by the process "DENSIFIED FLOOR" MAT FINISH Vid. as Grinding the concrete floor using Coarse, Medium diamond grinding tools for removing the latency and minor level difference and opening up the pores in concrete, Densification of the floor using hybrid								

	densifier,Densifier reacts with the un-hydrated lime present in concrete and makes the concrete surface dense and hard.It offers many benefitssuch as reduced dusting, higher gloss readings, increased abrasion resistance, and a longer lifespan of the concrete floor. For this to achieve, the concrete floor is allowed to be saturated with densifier, sealing with external grade sealer is applied on the floor after polishing to protect the floor from the effects of weather and to make the floor water repellent and stain resistant, burnishing the floor using a floor burnisher to bring about more shine and remove excess sealer from the floor etc as per technical guidance from with HTC Sweden and Convergent Concrete Technologies, USA.This item shall be executed only by the agency which has all required manufacturing machineries and necessary expertise.						
	IN GF Workshops	1	485.000				485.000
	Total Quantity						485.000 sqm
	Total Deducted Quantity						0.000 sqm
	Net Total Quantity						485.000 sqm
	Say 485.000 sqm @ Rs 635.48 / sqm						Rs 308207.80
24	11.41.2 Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622, of approved make, in all colours and shades, laid on 20 mm thick cement mortar 1:4(1 cement : 4 coarse sand), including grouting the joints with white cement and matching pigments etc., complete.Size of Tile 600 x 600 mm.						
	GF						
	Principal room	1	38.000				38.000
		1	25.200	0.100			2.520
	VP Room	1	16.650				16.650
		1	16.650	0.100			1.665
	VIP room	1	22.040				22.040
		1	19.200	0.100			1.920
	Cash room	1	14.320				14.320
		1	15.620	0.100			1.562
	Record room	1	12.920				12.920
		1	14.400	0.100			1.441
	Office room	1	133.560				133.560
		1	46.400	0.100			4.640
	Staff dining	1	34.980				34.980
		1	23.400	0.100			2.340
	Store room	1	112.400				112.400
		1	35.000	0.100			3.500

	Seminar hall	1	253.400			253.400	
		1	64.000	0.100		6.400	
		1	52.800			52.800	
		1	41.200	0.100		4.120	
	GI Cabin	1	18.800			18.800	
		1	18.800	0.100		1.881	
		1	29.440			29.440	
	Electrical room	1	36.120			36.120	
		1	25.600	0.100		2.561	
	Passage	1	494.000			494.000	
		1	294.000	0.100		29.401	
	Stair	3	37.500			112.500	
	FF						
	Class room	10	79.800			798.000	
		10	36.200	0.100		36.200	
	Digital library	1	111.800			111.800	
		1	43.200	0.100		4.320	
		1	16.500			16.500	
		1	10.000	0.100		1.000	
	Workshop	1	257.850			257.851	
		1	85.600	0.100		8.560	
	Passage	1	420.000			420.000	
		1	242.000	0.100		24.201	
	Stair	3	37.500			112.500	
	Total Quantity					3236.813 sqm	
	Total Deducted Quantity					0.000 sqm	
	Net Total Quantity					3236.813 sqm	
	Say 3236.813 sqm @ Rs 1543.99 / sqm					Rs 4997606.90	
25	<p>11.36 Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer -in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3 kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.</p>						

		GF							
	L Toilet	11	5.600	2.100			129.360		
	G T	5	8.000	2.100			84.000		
	Staff toilet	3	6.600	2.100			41.580		
	VIP room	1	6.800	2.100			14.280		
	VP room	1	6.800	2.100			14.280		
	Principal room	1	7.600	2.100			15.960		
	W/S	4	5.800	2.100			48.720		
		4	7.400	2.100			62.161		
	D3	27	0.800	2.100			-45.360		
		2	1.000	2.100			-4.200		
		FF							
	Gents toilet	5	6.000	2.100			63.001		
	L Toilet	7	5.400	2.100			79.381		
	W/S	6	5.400	2.100			68.040		
	d3	18	0.800	2.100			-30.240		
Total Quantity							620.763 sqm		
Total Deducted Quantity							-79.800 sqm		
Net Total Quantity							540.963 sqm		
Say 540.963 sqm @ Rs 1027.30 / sqm							Rs 555731.29		
26	11.38	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 cement : 4 Coarse sand), including pointing the joints with white cement and matching pigments etc., complete.							
		GF							
	Gents toilet	1	47.070				47.070		
	Ladies toilet	1	44.420				44.420		
	Change room	1	19.180				19.180		
		1	18.080				18.080		
	Staff room	1	7.800				7.800		
	Vice principal room	1	2.550				2.550		
	VIP Room	1	2.850				2.850		
	Principal room	1	3.250				3.250		

FF									
	Gents toilet	1	47.040				47.040		
	Ladies toilet	1	44.400				44.400		
	Change room	1	18.040				18.040		
	Total Quantity						254.680 sqm		
	Total Deducted Quantity						0.000 sqm		
	Net Total Quantity						254.680 sqm		
	Say 254.680 sqm @ Rs 1031.58 / sqm						Rs 262722.79		
27	od21359/2019_2020 Supply and install externally 1st quality 60x30x1.2cm ceramic tile walls cladding of different colours, tile shall be laid and fixed to pre plastered walls in patterns, style and forms of grouting and jointing as directed by engineer using approved tile adhesive materials and pointed with approved tile joint filler matching the colour of tiles.								
	For vertical fin	36*2	0.600	5.200			224.641		
	In front colimns	3	1.800	4.800			25.920		
	Total Quantity						250.561 sqm		
	Total Deducted Quantity						0.000 sqm		
	Net Total Quantity						250.561 sqm		
	Say 250.561 sqm @ Rs 1472.51 / sqm						Rs 368953.58		
28	od21360/2019_2020 Supply and install externally 1st quality 30x15x0.8cm brick pattern ceramic tile for walls cladding, tile shall be laid and fixed to pre plastered walls in patterns, style and forms of grouting and jointing as directed by engineer using approved tile adhesive materials and pointed with approved tile joint filler matching the colour of tiles.								
	For planter boxes								
		16	2.000	0.600			19.200		
		4	1.500	0.600	1.000		3.600		
		1	1.000	0.600	1.000		0.600		
		1	9.600	0.600	1.000		5.760		
	Total Quantity						29.160 sqm		
	Total Deducted Quantity						0.000 sqm		
	Net Total Quantity						29.160 sqm		
	Say 29.160 sqm @ Rs 1422.08 / sqm						Rs 41467.85		
29	13.43.1 Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface:Water thinnable cement primer								

GF							
Workshop	1	78.600		4.600		361.560	
	1	78.600		4.600		361.560	
Toilet	1	41.400		4.600		190.440	
ELE Room	1	25.600		4.600		117.760	
lift	1	8.800		4.600		40.480	
stair	1	33.800		1.000		33.800	
SMW workshop	1	74.240		4.600		341.504	
	1	37.800		4.600		173.880	
Toilet	1	47.200		4.600		217.120	
Record room	1	14.400		4.600		66.240	
Toilet	1	28.900		4.600		132.940	
	1	61.600		4.600		283.360	
Principal Room	1	61.600		4.600		283.360	
	1	7.600		4.600		34.960	
V P Room	1	16.400		4.600		75.440	
VIP room	1	42.200		4.600		194.120	
Cash	1	15.600		4.600		71.760	
Stair	1	38.800		1.000		38.800	
	1	18.000		4.600		82.800	
Visitors waiting	1	13.300		4.600		61.180	
Office Room	1	33.400		4.600		153.640	
	1	38.200		4.600		175.720	
	1	41.400		4.600		190.440	
Gents toilet	1	45.800		4.600		210.680	
Store room	1	47.200		4.600		217.120	
GI Cabin	1	9.400		4.600		43.240	
Stair	1	39.900		4.600		183.540	
Corridor	1	181.000		4.600		832.600	
	1	72.400		4.600		333.040	
Seminar Hall	1	86.800		4.600		399.280	
D1	15	1.000	2.100			-31.500	
D2	9	1.200	2.400			-25.919	

	D3	7	0.800	2.100			-11.760		
	W2	5	1.000	1.500			-7.500		
	W4	14	2.000	1.500			-42.000		
	V	6	0.600	0.500			-1.799		
	FF								
	Workshop	1	68.000	3.600			244.800		
		1	51.100	3.600			183.960		
	Stair	3	38.900				116.700		
	Class room	10	36.000	3.600			1296.000		
	lift	2	4.100	3.600			29.520		
	G toilet	1	42.700	3.600			153.721		
	L toilet	1	68.400	3.600			246.241		
		1	68.400	3.600			246.241		
	Library	1	56.500	3.600			203.400		
	Passage	1	168.500	3.600			606.600		
	D1	5	1.000	2.100			-10.500		
	D3	18	0.800	2.100			-30.240		
	W4	32	2.000	1.500			-96.000		
	V	12	0.500	6.000			-36.000		
	TF								
	Lift	2	8.200		3.000		49.200		
	GF	1	1692.000				1692.000		
	FF	1	1394.000				1394.000		
	Total Quantity						12364.747 sqm		
	Total Deducted Quantity						-293.218 sqm		
	Net Total Quantity						12071.529 sqm		
	Say 12071.529 sqm @ Rs 50.97 / sqm						Rs 615285.83		
30	13.82.2 Wall painting with acrylic emulsion paint, having VOC (Volatile Organic Compound) content less than 50 grams/ litre, of approved brand and manufacture including applying additional coats wherever required, to achieve even shade and colour. Two coats								
	GF								
	Workshop	1	78.600		4.600		361.560		
		1	78.600		4.600		361.560		

	Toilet	1	41.400		4.600		190.440	
	ELE Room	1	25.600		4.600		117.760	
	lift	1	8.800		4.600		40.480	
	stair	1	33.800		1.000		33.800	
	SMW workshop	1	74.240		4.600		341.504	
		1	37.800		4.600		173.880	
	Toilet	1	47.200		4.600		217.120	
	Record room	1	14.400		4.600		66.240	
	Toilet	1	28.900		4.600		132.940	
		1	61.600		4.600		283.360	
	Principal Room	1	61.600		4.600		283.360	
		1	7.600		4.600		34.960	
	V P Room	1	16.400		4.600		75.440	
	VIP room	1	42.200		4.600		194.120	
	Cash	1	15.600		4.600		71.760	
	Stair	1	38.800		1.000		38.800	
		1	18.000		4.600		82.800	
	Visitors waiting	1	13.300		4.600		61.180	
	Office Room	1	33.400		4.600		153.640	
		1	38.200		4.600		175.720	
		1	41.400		4.600		190.440	
	Gents toilet	1	45.800		4.600		210.680	
	Store room	1	47.200		4.600		217.120	
	GI Cabin	1	9.400		4.600		43.240	
	Stair	1	39.900		4.600		183.540	
	Corridor	1	181.000		4.600		832.600	
		1	72.400		4.600		333.040	
	Seminar Hall	1	86.800		4.600		399.280	
	D1	15	1.000	2.100			-31.500	
	D2	9	1.200	2.400			-25.919	
	D3	7	0.800	2.100			-11.760	
	W2	5	1.000	1.500			-7.500	
	W4	14	2.000	1.500			-42.000	

	V	6	0.600	0.500			-1.799		
	FF								
	Workshop	1	68.000	3.600			244.800		
		1	51.100	3.600			183.960		
	Stair	3	38.900				116.700		
	Class room	10	36.000	3.600			1296.000		
	lift	2	4.100	3.600			29.520		
	G toilet	1	42.700	3.600			153.721		
	L toilet	1	68.400	3.600			246.241		
		1	68.400	3.600			246.241		
	Library	1	56.500	3.600			203.400		
	Passage	1	168.500	3.600			606.600		
	D1	5	1.000	2.100			-10.500		
	D3	18	0.800	2.100			-30.240		
	W4	32	2.000	1.500			-96.000		
	V	12	0.500	6.000			-36.000		
	TF								
	Lift	2	8.200	3.000			49.200		
	GF	1	1692.000				1692.000		
	FF	1	1394.000				1394.000		
	Total Quantity						12364.747 sqm		
	Total Deducted Quantity						-293.218 sqm		
	Net Total Quantity						12071.529 sqm		
	Say 12071.529 sqm @ Rs 101.93 / sqm						Rs 1230450.95		
31	13.46.1 Finishing walls with Acrylic Smooth exterior paint of required shade:New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)								
	GF								
	External wall	3	46.000	5.400			745.200		
		1	37.300	5.400			201.420		
	Car porch column	5	1.800	4.800			43.200		
		2	8.200	2.100			34.440		
		1	9.600	2.100			20.160		

	Vertical fin	36	0.600	5.200			112.321		
	RS	3	4.100	4.000			-49.199		
	FF								
	External wall	4	46.000	3.750			690.000		
	Central demo wall	4	7.000	3.750			105.000		
	TF								
	Parapet	4	46.000	2.000			368.000		
	lift	1	9.800	3.600			35.280		
	Total Quantity						2355.021 sqm		
	Total Deducted Quantity						-49.199 sqm		
	Net Total Quantity						2305.822 sqm		
	Say 2305.822 sqm @ Rs 132.48 / sqm						Rs 305475.30		
32	13.50.3 Applying priming coat:With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron /steel works								
	W4	50	2.000	1.500			150.000		
	W3	5	1.500	1.500			11.250		
	w2	1	1.000	1.500			1.500		
	V	33	0.600	0.500			9.900		
	RS	3*2	4.100	4.000	1.250		123.000		
	Total Quantity						295.650 sqm		
	Total Deducted Quantity						0.000 sqm		
	Net Total Quantity						295.650 sqm		
	Say 295.650 sqm @ Rs 40.14 / sqm						Rs 11867.39		
33	13.84.2 Painting with synthetic enamel paint, having VOC (Volatile Organic Compound) content less than 150 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour.Two coats								
	W4	50	2.000	1.500			150.000		
	W3	5	1.500	1.500			11.250		
	W2	1	1.000	1.500			1.500		
	V	33	0.600	0.500			9.900		
	RS	3*2	4.100	4.000	1.250		123.000		
	Total Quantity						295.650 sqm		

		Total Deducted Quantity					0.000 sqm	
		Net Total Quantity					295.650 sqm	
		Say 295.650 sqm @ Rs 103.52 / sqm					Rs 30605.69	
34	9.48.2 Providing and fixing M.S. Grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.Fixed to openings/ wooden frames with rawl plugs screws etc							
	W4	50	2.000	1.500		17.0	2550.000	
	W3	5	1.500	1.500		17.0	191.250	
	W2	1	1.000	1.500		17.0	25.500	
	V	33	0.600	0.500		17.0	168.300	
		Total Quantity					2935.050 kg	
		Total Deducted Quantity					0.000 kg	
		Net Total Quantity					2935.050 kg	
		Say 2935.050 kg @ Rs 155.10 / kg					Rs 455226.26	
35	9.147.5 Providing and fixing factory made uPVC white colour casement/casement cumfixed glazed windows comprising of uPVC multi-chambered frame, sash and mullion (where ever required) extruded profiles duly reinforced with 1.60 +/- 0.2mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), uPVC extruded glazing beads of appropriate dimension, EPDM gasket, stainless steel (SS 304 grade) friction hinges, zinc alloy (white powder coated) casement handles, G.I fasteners 100 x 8mm size for fixing frame to finished wall, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, mullion (if required) shall be also fusion welded including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge.(Single / double glass panes and silicon sealant shall be paid separately) Note: For uPVC frame, sash and mullion extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable.Casement window double panels with S.S. friction hinges (350 x 19 x 1.9 mm) made of (big series) frame 67 x 60 mm & sash / mullion 67 x 80 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead/ double glazing bead of appropriate dimension. (Area of window above 1.50 sqm).							
	W4	46	2.000	1.500			138.000	
	W3	5	1.000	1.500			7.500	
		Total Quantity					145.500 sqm	
		Total Deducted Quantity					0.000 sqm	
		Net Total Quantity					145.500 sqm	
		Say 145.500 sqm @ Rs 11549.15 / sqm					Rs 1680401.33	

36	9.147B.1 543SUB HEAD : 9 - WOOD & PVC WORK9.147BProviding and fixing factory made uPVC white colour fixed glazed windows/ventilators comprising of uPVC multi-chambered frame and mullion (where everrequired) extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanizedmild steel section made from roll forming process of required length (shape &size according to uPVC profile), , uPVC extruded glazing beads of appropriatedimension, EPDM gasket, G.I fasteners 100 x 8 mm size for fixing frame to finishedwall, plastic packers, plastic caps and necessary stainless steel screws etc.Profile of frame shall be mitred cut and fusion welded at all corners, mullion (ifrequired) shall be also fusion welded including drilling of holes for fixinghardware's and drainage of water etc. After fixing frame the gap between frameand adjacent finished wall shall be filled with weather proof silicon sealant overbacker rod of required size and of approved quality, all complete as per approveddrawing & direction of Engineer-in-Charge. (Single / double glass panes andsilicon sealant shall be paid separately). Note: For uPVC frame, sash and mullion extruded profiles minus 5% tolerancein dimension i.e. in depth & width of profile shall be acceptable.Fixed window / ventilator made of (small series) frame 47 x 50 mm & mullion 47x 68 mm both having wall thickness of 1.9 ± 0.2 mm and single glazing bead ofappropriate dimension. (Area upto 0.75 sqm.)							
	V	31	0.600	0.500			9.300	
	Total Quantity						9.300 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						9.300 sqm	
	Say 9.300 sqm @ Rs 7447.81 / sqm						Rs 69264.63	
37	21.3.2 Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer - in -Charge. (Cost of aluminium snap beading shall be paid in basic item):With float glass panes of 5.50 mm thickness							
	W4	46	2.000	1.500		0.95	131.100	
	W3	5	1.000	1.500		0.95	7.125	
	V	31	0.600	0.500		0.95	8.835	
	Total Quantity						147.060 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						147.060 sqm	
	Say 147.060 sqm @ Rs 1384.75 / sqm						Rs 203641.34	
38	od21367/2019_2020 Supply and fixing steel doors with jamb of as per drawing and agreed schedule of rates inclusive of all applicable taxes to the satisfaction of site Engineer in charge.The above rate included all fixing and fitting lock,hinges,hardware items etc.(Ileaf, jsw, tata or approved equivalent.)							
	D2							
	GF	11	1.200	2.400			31.680	

	FF	13	1.200	2.400			37.440	
	Total Quantity						69.120 sqm of door area	
	Total Deducted Quantity						0.000 sqm of door area	
	Net Total Quantity						69.120 sqm of door area	
	Say 69.120 sqm of door area @ Rs 14793.36 / sqm of door area						Rs 1022517.04	
39	od21356/2019_2020 Supplying fully finished Pre Hung Door:- Both side HP Laminate vertical grain pattern Flush door with matching PVC Wrapped WPC Jamb with front side Architrave other side Tackers. Door of 35mm thick with 4 side edges painted / Lock Hole Boring (Using mortise lock)/ Hinge Rebate Cutting (4 Nos) ,Jamb width 100 mm. Latch with Lever handles without Keys SS finish - 1 No, Hinges 4" x 3" x 3mm SS finish - 4 Nos .Tower Bolt 6" SS Finish - 1 No.(Jacsons or Approved equivalent)							
	D3							
	GF	32	0.800	2.100			53.761	
	FF	19	0.800	2.100			31.920	
	Total Quantity						85.681 sqm of door area	
	Total Deducted Quantity						0.000 sqm of door area	
	Net Total Quantity						85.681 sqm of door area	
	Say 85.681 sqm of door area @ Rs 8461.71 / sqm of door area						Rs 725007.77	
40	od21368/2019_2020 Supplying fully finished Pre Hung Door:-Both side Veneered (Sapeli/ Beech /RC Walnut/RC Teak etc) vertical grains Flush door with matching Veneer Wrapped Engineered wood Jamb (Frame) with front side Architraves and other side Tackers, all with specialised Lacquer Polish. Door of 35 mm thick with 4 side PVC Lipping / Lock Hole Boring (using mortise lock) / Hinge Rebate cutting (4 Nos.) /Extruded Sauerland core / Honey comb core filling. as per drawing and agreed schedule of rates inclusive of all applicable taxes to the satisfaction of site Engineer in charge.The above rate included all fixing and fitting lock, hinges,hardware items etc. (Jacsons or approved equivalent)							
	D1							
	GF	16	1.000	2.100			33.600	
	FF	5	1.000	2.100			10.500	
	Total Quantity						44.100 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						44.100 sqm	

	Say 44.100 sqm @ Rs 8472.06 / sqm						Rs 373617.85	
41	<p>10.28</p> <p>Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.)</p>							
		1	710.000				710.000	
	Total Quantity						710.000 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						710.000 kg	
	Say 710.000 kg @ Rs 651.58 / kg						Rs 462621.80	
42	<p>10.6.2</p> <p>Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters.80x1.20 mm M.S. laths with 1.20 mm thick top cover</p>							
	For workshops	3	4.000	4.100			49.200	
	Total Quantity						49.200 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						49.200 sqm	
	Say 49.200 sqm @ Rs 2539.84 / sqm						Rs 124960.13	
43	<p>10.7</p> <p>Providing and fixing ball bearing for rolling shutters.</p>							
		6					6.000	
	Total Quantity						6.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						6.000 no	
	Say 6.000 no @ Rs 523.17 / no						Rs 3139.02	
44	<p>od21369/2019_2020</p> <p>Supply 100x100x4mm thick 6.00 m long Galvanized square hollow section member (AS 1163-2009 Grade min C350L0 AS/NZS 4792 Galvanised coatings on ferrous hollow sections) fixed vertically and anchored to RC parapet and base up stand, will be given a priming coat of Zinc primer as approved by</p>							

	Engineer-in-charge and painted with two or more coats of epoxy paint (Shop drawings shall be submitted by the contractor to the Engineer in-charge for approval before execution).							
	Galvanized square hollow section							
	Galvanized square hollow section	1	540.000	1.000	1.000		540.000	
	Total Quantity						540.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						540.000 metre	
	Say 540.000 metre @ Rs 1017.08 / metre						Rs 549223.20	
45	od21370/2019_2020 Supply Corten A grade 3mm thick warm rolled slotted cassettes fixed to plastered wall spacing in the hidden plastic suspension mounts with stainless steel class A2, 35 mm long and 8 mm dia pins and anchor bolts etc.							
		1	46.800				46.800	
	Total Quantity						46.800 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						46.800 sqm	
	Say 46.800 sqm @ Rs 2361.24 / sqm						Rs 110506.03	
46	12.45.3 Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/ sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37 mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50 mm long with 6 mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25 mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5x25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound, jointing tapes, finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with:12.5 mm thick tapered edge gypsum moisture resistant board							
	Principal room	1	5.000	7.600			38.000	

	Seminar hall	1	17.600	14.400			253.441		
	Total Quantity						291.441 sqm		
	Total Deducted Quantity						0.000 sqm		
	Net Total Quantity						291.441 sqm		
	Say 291.441 sqm @ Rs 1322.27 / sqm						Rs 385363.69		
47	<p>12.59.1 Providing and fixing false ceiling at all height including providing & fixing of framework made of special section, power pressed from M.S. sheets and galvanised with zinc coating of 120 gms/ sqm (both side inclusive) as per IS : 277 and consisting of angle cleat of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37 mm, at 1200mm c/c, one flange fixed to the ceiling with dash fastener 12.5mm dia x 50mm long with 6mm dia bolts, other flanged of cleat fixed to the angle hangers of 25x10x0.50mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I channels 45x15x0.90mm running at the spacing of 1200 mm c/c, to which the ceiling section 0.5 mm thick bottom wedge of 80mm with tapered flanges of 26mm each having lips of 10.5mm, at 450mm c/c, shall be fixed in a direction perpendicular to G.I intermediate channel with connecting clip made out of 2.64mm dia x 230mm long G.I wire at every junction, including fixing perimeter channels 0.50mm thick 27 mm high having flages of 20mm and 30mm long, the perimeter of ceiling fixed to wall/ partitions with the help of Rawl plugs at 450mm centre, with 25mm long dry wall screws @ 230mm interval, including fixing of Calcium Silicate Board to ceiling section and perimeter channels with the help of day wall screws of size 3.5x25mm at 230mm c/c, including jointing & finishing to a flush finish of tapered and square edges of the board with recommended jointing compounds, jointing tapes, finishing with jointing compounds in three layers covering up to 150mm on both sides of joints and two coats of primer suitable for boards, all as per manufacture's specification and also including the cost of making opening for light fittings, grills, diffusers, cut outs made with frame of perimeter channels suitable fixed, all complete as per drawings, specification and direction of the Engineer in charge but excluding the cost of painting with a.8 mm thick Calcium Silicate Board made with Calcareous & Siliceous materials reinforced with cellulose fiber manufactured through autoclaving process.</p>								
	In toilets	2	41.730				83.460		
	Total Quantity						83.460 sqm		
	Total Deducted Quantity						0.000 sqm		
	Net Total Quantity						83.460 sqm		
	Say 83.460 sqm @ Rs 1264.47 / sqm						Rs 105532.67		
48	<p>od21371/2019_2020 Supply and fixing White Board: 4'x6' magnetic White</p>								
		13					13.000		
	Total Quantity						13.000 each		
	Total Deducted Quantity						0.000 each		
	Net Total Quantity						13.000 each		
	Say 13.000 each @ Rs 7382.41 / each						Rs 95971.33		

49	17.2.1 Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required:W.C. pan with ISI marked white solid plastic seat and lid		45				45.000	
		Total Quantity					45.000 each	
		Total Deducted Quantity					0.000 each	
		Net Total Quantity					45.000 each	
		Say 45.000 each @ Rs 4715.41 / each					Rs 212193.45	
50	17.4.1 Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required:One urinal basin with 5 litre white P.V.C. automatic flushing cistern		10				10.000	
		Total Quantity					10.000 each	
		Total Deducted Quantity					0.000 each	
		Net Total Quantity					10.000 each	
		Say 10.000 each @ Rs 4819.48 / each					Rs 48194.80	
51	17.7.1 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:White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps		38				38.000	
		Total Quantity					38.000 each	
		Total Deducted Quantity					0.000 each	
		Net Total Quantity					38.000 each	
		Say 38.000 each @ Rs 3170.39 / each					Rs 120474.82	
52	17.8 Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings.		38				38.000	
		Total Quantity					38.000 each	

								Total Deducted Quantity	0.000 each
								Net Total Quantity	38.000 each
								Say 38.000 each @ Rs 1345.16 / each	Rs 51116.08
53	17.70.1	Providing and fixing PTMT Bottle Trap for Wash basin and sink. Bottle trap 31 mm single piece moulded with height of 270 mm, effective length of tail pipe 260 mm from the center of the waste coupling, 77 mm breadth with 25 mm minimum water seal, weighing not less than 260 gms							
		38							38.000
								Total Quantity	38.000 each
								Total Deducted Quantity	0.000 each
								Net Total Quantity	38.000 each
								Say 38.000 each @ Rs 405.45 / each	Rs 15407.10
54	18.50.1	Providing and fixing C.P brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. 15 mm nominal bore							
		45							45.000
								Total Quantity	45.000 each
								Total Deducted Quantity	0.000 each
								Net Total Quantity	45.000 each
								Say 45.000 each @ Rs 765.93 / each	Rs 34466.85
55	50.17.1.5	Supplying and fixing CP Health Faucet superior quality (Jagur or equivalent make) including cost of materials and labour charges etc complete as per the direction of site Engineer-in-charge.							
		45							45.000
								Total Quantity	45.000 no
								Total Deducted Quantity	0.000 no
								Net Total Quantity	45.000 no
								Say 45.000 no @ Rs 1280.41 / no	Rs 57618.45
56	17.71	Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms							
		26							26.000
								Total Quantity	26.000 each
								Total Deducted Quantity	0.000 each
								Net Total Quantity	26.000 each

		Say 26.000 each @ Rs 190.14 / each					Rs 4943.64	
57	50.17.1.3	Supplying and fixing CP Towel rod 60cm or nearest available length including cost of materials and labour charges etc complete as per the direction of site Engineer-in-charge.						
		45					45.000	
		Total Quantity					45.000 no	
		Total Deducted Quantity					0.000 no	
		Net Total Quantity					45.000 no	
		Say 45.000 no @ Rs 127.52 / no					Rs 5738.40	
58	od21376/2019_2020	Supply & Fixing square Cockroach proof Traps with CP Gratings. Unloading materials supplied at site and storing it in safe place provided in the site. (Make: ACO/SGS)						
		56					56.000	
		Total Quantity					56.000 each	
		Total Deducted Quantity					0.000 each	
		Net Total Quantity					56.000 each	
		Say 56.000 each @ Rs 657.62 / each					Rs 36826.72	
59	od21377/2019_2020	Providing and fixing 100mm dia Cleanout with Spigot, with SS 304 Square Frame & Round Frame with Flat Round Cover with Rubber Seal & SS Screw including cost and conveyance of all materials, labour charges, sundries etc complete as directed by the Engineer in charge at all levels.						
		15					15.000	
		Total Quantity					15.000 each	
		Total Deducted Quantity					0.000 each	
		Net Total Quantity					15.000 each	
		Say 15.000 each @ Rs 1650.69 / each					Rs 24760.35	
60	od21378/2019_2020	Providing and fixing 75mm dia Cleanout with Spigot, with SS 304 Square Frame & Round Frame with Flat Round Cover with Rubber Seal & SS Screw including cost and conveyance of all materials, labour charges, sundries etc complete as directed by the Engineer in charge at all levels.						
		5					5.000	
		Total Quantity					5.000 each	
		Total Deducted Quantity					0.000 each	
		Net Total Quantity					5.000 each	
		Say 5.000 each @ Rs 1505.51 / each					Rs 7527.55	
61	18.53.1							

	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS: 893115 mm nominal bore						
		83					83.000
	Total Quantity						83.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						83.000 each
	Say 83.000 each @ Rs 656.13 / each						Rs 54458.79
62	50.18.7.2.2 Providing and fixing PVC pipes, fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step PVC solvent cement and testing of joints complete as per direction of Engineer -in-Charge 20 mm dia 10 Kg/cm ² - Internal work - Exposed on wall						
		1	140.000				140.000
	Total Quantity						140.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						140.000 metre
	Say 140.000 metre @ Rs 175.83 / metre						Rs 24616.20
63	50.18.7.3.2 Providing and fixing PVC pipes, fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge 25 mm dia 10Kgf/ cm ² - Internal work- Exposed on wall						
		1	80.000				80.000
	Total Quantity						80.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						80.000 metre
	Say 80.000 metre @ Rs 199.88 / metre						Rs 15990.40
64	50.18.7.4.1 Providing and fixing PVC pipes, fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge 32 mm dia 10Kgf/cm ² - Internal work - Exposed on wall						
		1	60.000				60.000
	Total Quantity						60.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						60.000 metre
	Say 60.000 metre @ Rs 241.83 / metre						Rs 14509.80
65	50.18.7.5.1 Providing and fixing PVC pipes, fittings including fixing the pipe with clamps at 1.00m spacing. This						

	includes jointing of pipes & fittings with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge 40 mm dia 10 Kgf/cm ² - Internal work- exposed on wall						
		1	20.000				20.000
	Total Quantity						20.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						20.000 metre
	Say 20.000 metre @ Rs 310.68 / metre						Rs 6213.60
66	50.18.7.6.1 Providing and fixing PVC pipes, fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge 50 mm dia 10 Kgf/cm - Internal work- Exposed on wall						
		1	85.000				85.000
	Total Quantity						85.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						85.000 metre
	Say 85.000 metre @ Rs 318.68 / metre						Rs 27087.80
67	od21379/2019_2020 Providing and fixing PVC pipes including fixing the pipe with clamps/ clip at 1.00 m spacing . This includes jointing of pipes with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge 63 mm dia 10 Kgf/cm ² - External work - Exposed on wall						
		1	210.000				210.000
	Total Quantity						210.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						210.000 metre
	Say 210.000 metre @ Rs 293.74 / metre						Rs 61685.40
68	od21380/2019_2020 Providing and fixing PVC pipes including fixing the pipe with clamps/clips at 1.00 m spacing. This included jointing of pipes with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge 75 mm dia 10Kgf/cm ² - External work- Exposed on wall						
		1	30.000				30.000
	Total Quantity						30.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						30.000 metre
	Say 30.000 metre @ Rs 379.82 / metre						Rs 11394.60
69	50.18.8.2.2 Providing and fixing PVC pipes, fittings including fixing the pipe with clamps at 1.00 m spacing. This						

	includes jointing of pipes & fittings with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge. Concealed work, including cutting chases and making good the wall etc. 20 mm pipe 10 Kg/ cm ²						
		1	210.000				210.000
	Total Quantity						210.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						210.000 metre
	Say 210.000 metre @ Rs 286.76 / metre						Rs 60219.60
70	18.17.1 Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :25 mm nominal bore						
		1					1.000
	Total Quantity						1.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						1.000 each
	Say 1.000 each @ Rs 590.62 / each						Rs 590.62
71	18.17.3 Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :40 mm nominal bore						
		3					3.000
	Total Quantity						3.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						3.000 each
	Say 3.000 each @ Rs 806.48 / each						Rs 2419.44
72	18.17.4 Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :50 mm nominal bore						
		3					3.000
	Total Quantity						3.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						3.000 each
	Say 3.000 each @ Rs 1034.34 / each						Rs 3103.02
73	od21381/2019_2020 Supply, fixing, testing , commissioning 65mm dia Butterfly valve (Manual) with CI body SS disk, Nitrile rubber seal and O-ring P16 pressure rating for water circulation as specified.						
		2					2.000

								Total Quantity	2.000 each
								Total Deducted Quantity	0.000 each
								Net Total Quantity	2.000 each
								Say 2.000 each @ Rs 3928.51 / each	Rs 7857.02
74	od21382/2019_2020 Supply, fixing, testing , commissioning 80mm dia Butterfly valve (Manual) with CI body SS disk, Nitrile rubber seal and O-ring P16 pressure rating for water circulation as specified.								
		2							2.000
								Total Quantity	2.000 each
								Total Deducted Quantity	0.000 each
								Net Total Quantity	2.000 each
								Say 2.000 each @ Rs 4409.37 / each	Rs 8818.74
75	50.18.9.2.2 Providing and fixing PVC pipes includings of pipes with one step PVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. 20 mm dia 10 Kgf/cm2								
		10							10.000
								Total Quantity	10.000 metre
								Total Deducted Quantity	0.000 metre
								Net Total Quantity	10.000 metre
								Say 10.000 metre @ Rs 133.56 / metre	Rs 1335.60
76	50.18.9.3.2 Providing and fixing PVC pipes includes jointing of pipes with one step PVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. 25 mm dia 10KGF/cm2								
		1	10.000						10.000
								Total Quantity	10.000 metre
								Total Deducted Quantity	0.000 metre
								Net Total Quantity	10.000 metre
								Say 10.000 metre @ Rs 166.03 / metre	Rs 1660.30
77	50.18.9.4.1 Providing and fixing PVC pipes includings jointing of pipes with one step PVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge.32 mm dia 10.Kgf/cm2								
		15							15.000
								Total Quantity	15.000 metre
								Total Deducted Quantity	0.000 metre
								Net Total Quantity	15.000 metre

	Say 15.000 metre @ Rs 188.73 / metre						Rs 2830.95	
78	50.18.9.5.1 Providing and fixing PVC pipes includings jointing of pipes with one step PVC solvent cement, trenching refilling & testing of joints complete as per direction of Engineer in Charge 40 mm dia 10Kgf/cm2							
		1	80.000				80.000	
	Total Quantity						80.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						80.000 metre	
	Say 80.000 metre @ Rs 221.98 / metre						Rs 17758.40	
79	50.18.9.6.1 Providing and fixing PVC pipes includings jointing of pipes with one step PVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. 50 mm dia 10Kgf/cm2							
		1	50.000				50.000	
	Total Quantity						50.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						50.000 metre	
	Say 50.000 metre @ Rs 229.98 / metre						Rs 11499.00	
80	od21383/2019_2020 Providing and fixing PVC pipes includings jointing of pipes with one step PVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. 63 mm dia 10Kgf/cm2							
		1	20.000				20.000	
	Total Quantity						20.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						20.000 metre	
	Say 20.000 metre @ Rs 302.67 / metre						Rs 6053.40	
81	od21384/2019_2020 Providing and fixing PVC pipes includings of pipes with one step PVC solvent cement, trenching and refilling & testing of joints complete as per direction of Engineer in Charge. 75 mm dia 10Kgf/cm2							
		1	10.000				10.000	
	Total Quantity						10.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						10.000 metre	
	Say 10.000 metre @ Rs 372.20 / metre						Rs 3722.00	
82	18.17.2 Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :32 mm nominal bore							

		2	1.000				2.000	
	Total Quantity						2.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						2.000 each	
	Say 2.000 each @ Rs 690.68 / each						Rs 1381.36	
83	50.18.7.6.2 Providing and fixing PVC pipes, fittings including fixing the pipe with clamps at 1.00 m spacing . This includes jointing of pipes & fittings with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge 50 mm dia 6 Kgf/cm2 - Internal work- Exposed on wall							
		1	35.000				35.000	
	Total Quantity						35.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						35.000 metre	
	Say 35.000 metre @ Rs 278.63 / metre						Rs 9752.05	
84	50.18.8.6.2 Providing and fixing PVC pipes, fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge. Concealed work, including cutting chases and making good the wall etc. 50 mm pipe 6 kgf/cm2							
		1	30.000				30.000	
	Total Quantity						30.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						30.000 metre	
	Say 30.000 metre @ Rs 332.06 / metre						Rs 9961.80	
85	50.18.8.7.1 Providing and fixing PVC pipes, fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge. Concealed work including cutting chases and making good the wall etc. 63 mm pipe 6 Kgf/cm2							
		1	85.000				85.000	
	Total Quantity						85.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						85.000 metre	
	Say 85.000 metre @ Rs 477.54 / metre						Rs 40590.90	
86	50.18.8.8.1 Providing and fixing PVC pipes, fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes with one step PVC solvent cement and testing of joints complete as per							

	direction of Engineer-in-Charge. Concealed work, including cutting chases and making good the wall etc. 75 mm pipe 6 Kgf/cm2							
		1	25.000				25.000	
	Total Quantity						25.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						25.000 metre	
	Say 25.000 metre @ Rs 490.94 / metre						Rs 12273.50	
87	50.18.8.9.1 Providing and fixing PVC pipes, fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge. Concealed work, including cutting chased and making good the wall etc. 110 mm pipe 6kgf/cm2							
		1	45.000				45.000	
	Total Quantity						45.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						45.000 metre	
	Say 45.000 metre @ Rs 590.94 / metre						Rs 26592.30	
88	50.18.9.10.1 Providing and fixing PVC pipes includings jointing of pipes with one step pvc solvent cement, trenching , refilling & testing of joints complete as per direction of Engineer in Charge. 150 mm dia 6 Kgf/cm2							
		1	5.000				5.000	
	Total Quantity						5.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						5.000 metre	
	Say 5.000 metre @ Rs 814.55 / metre						Rs 4072.75	
89	50.18.9.19.1 Providing and fixing PVC pipes including fixing the pipe with clamps/ clips/ at 1.00 m spacing . This includes jointing of pipes with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge 110 mm dia 6 Kgf/cm2 - External work- Exposed on wall							
		1	180.000				180.000	
	Total Quantity						180.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						180.000 metre	
	Say 180.000 metre @ Rs 345.01 / metre						Rs 62101.80	
90	od21385/2019_2020 Providing and fixing PVC pipes including fixing the pipe with clamps/ clips/ at 1.00 m spacing. This							

	includes jointing of pipes with one step PVC solvent cement and testing of joints complete as per the direction of Engineer-in-Charge 160 mm dia 6 Kgf/cm ² - External work- Exposed on wall							
		1	105.000				105.000	
	Total Quantity						105.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						105.000 metre	
	Say 105.000 metre @ Rs 750.94 / metre						Rs 78848.70	
91	19.4.3.2 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 300x300 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:180x150 mm size P type With sewer bricks conforming to IS: 4885							
		1	14.000				14.000	
	Total Quantity						14.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						14.000 each	
	Say 14.000 each @ Rs 2377.43 / each						Rs 33284.02	
SI No	Description	No	L	B	D	CF	Quantity	Remark
2 MAIN BUILDING - ELECTRICAL WORKS								
1	od21267/2019_2020 Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required. 1R X 3.5C X 70 Sq.mm AYFY							
		1	20.000				20.000	
	Total Quantity						20.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						20.000 metre	
	Say 20.000 metre @ Rs 611.31 / metre						Rs 12226.20	
2	od21293/2019_2020 Supplying and drawing of 1R x 4C x 10 Sq.mm AYFY cable through 40mm medium class PVC conduit along with accessories in surface/ recess including cutting the wall and making good the same in case of recessed conduit as required.							
		1	350.000				350.000	
	Total Quantity						350.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						350.000 metre	
	Say 350.000 metre @ Rs 303.24 / metre						Rs 106134.00	

3	9.1.21 Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.3 1/2X 35 sq. mm (32mm)		2				2.000	
		Total Quantity					2.000 set	
		Total Deducted Quantity					0.000 set	
		Net Total Quantity					2.000 set	
		Say 2.000 set @ Rs 388.96 / set					Rs 777.92	
4	9.1.22 Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.3 1/2 X 50 sq. mm (35mm)		4				4.000	
		Total Quantity					4.000 set	
		Total Deducted Quantity					0.000 set	
		Net Total Quantity					4.000 set	
		Say 4.000 set @ Rs 488.27 / set					Rs 1953.08	
5	9.1.32 Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.4 X 10 sq. mm (25mm)		18				18.000	
		Total Quantity					18.000 set	
		Total Deducted Quantity					0.000 set	
		Net Total Quantity					18.000 set	
		Say 18.000 set @ Rs 280.00 / set					Rs 5040.00	
6	9.1.34 Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.4 X 25 sq. mm (28mm)		16				16.000	
		Total Quantity					16.000 set	
		Total Deducted Quantity					0.000 set	
		Net Total Quantity					16.000 set	
		Say 16.000 set @ Rs 355.86 / set					Rs 5693.76	

7	9.1.23 Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.3 1/2X 70 sq. mm (38mm)		2				2.000	
		Total Quantity					2.000 set	
		Total Deducted Quantity					0.000 set	
		Net Total Quantity					2.000 set	
		Say 2.000 set @ Rs 543.44 / set					Rs 1086.88	
8	9.1.26 Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.3 1/2 X 150 sq. mm (50mm)		2				2.000	
		Total Quantity					2.000 set	
		Total Deducted Quantity					0.000 set	
		Net Total Quantity					2.000 set	
		Say 2.000 set @ Rs 816.55 / set					Rs 1633.10	
9	9.1.27 Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.3 1/2X 185 sq. mm (57mm)		4				4.000	
		Total Quantity					4.000 set	
		Total Deducted Quantity					0.000 set	
		Net Total Quantity					4.000 set	
		Say 4.000 set @ Rs 1108.96 / set					Rs 4435.84	
10	od69867/2019_2020 SITC of MDB 2 (Main Building Workshops, Dhanuvachapuram) Supply, installation , testing and commissioning of totally enclosed compartmentalized dust and vermin proof cubical segregated and modular in construction M.V. panel board free standing fabricated with14swg and 16swg of CRCA M.S. sheet, powder coated , bus-bar chamber ,outgoing switchgear etc. (all feeder unit Would be compartmentalized), color coded PVC sleeved vertical / horizontal Aluminium busbar of required size of length, (bus-bar distances shall be minimum 32 mm) insulators, hardware, neoprene gasket , hinged door, interconnecting single core multi strand lugged copper wire having current density of 2A / sqmm of suitable capacity & size with lugs from busbar to switchgears / MCCB / MCB or where ever required, control wiring with 1 sqmm FRLS cable, ON/OFF, RYB phase indicators, two earthing terminal busbar of size 25 x 5 mm copper with nut & bolts at outside of the panel, rating and name plates for all incoming & outgoing etc comprising with the followings as per the KEI standard. Switch gears – ABB/ Equivalent,							

	Contactors – ABB, L&T/Equivalent. Incomer: - 250A TPN Isolator – 1 No. Outgoing: - 50A 3P MCCB – 2 No., 100A 3P MCCB – 2 No., 63A 3P MCCB – 1 No.						
		1					1.000
	Total Quantity						1.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						1.000 each
	Say 1.000 each @ Rs 126856.42 / each						Rs 126856.42
11	<p>od69868/2019_2020 SITC of MDB 1 (Main Building, Dhanuvachapuram)
Supply, installation , testing and commissioning of totally enclosed compartmentalized dust and vermin proof cubical segregated and modular in construction M.V. panel board free standing fabricated with 14swg and 16swg of CRCA M.S. sheet, powder coated , bus-bar chamber ,outgoing switchgear etc. (all feeder unit Would be compartmentalized), color coded PVC sleeved vertical / horizontal Aluminium busbar of required size of length, (bus-bar distances shall be minimum 32 mm) insulators, hardware, neoprene gasket , hinged door, interconnecting single core multi strand lugged copper wire having current density of 2A / sqmm of suitable capacity & size with lugs from busbar to switchgears / MCCB / MCB or where ever required, control wiring with 1 sqmm FRLS cable, ON/OFF, RYB phase indicators, two earthing terminal busbar of size 25 x 5 mm copper with nut & bolts at outside of the panel, rating and name plates for all incoming & outgoing etc comprising with the followings as per the KEI standard. Switch gears – ABB/ Equivalent, Contactors – ABB, L&T/Equivalent. Incomer: - 250A TPN Isolator – 1 No. Outgoing: - 125A 3P MCCB – 1 No., 100A 3P MCCB – 2 No., 63A 3P MCCB – 2 No.</p>						
	Other Engineering Organisations						1.000
	Total Quantity						1.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						1.000 each
	Say 1.000 each @ Rs 111166.12 / each						Rs 111166.12
12	<p>od69869/2019_2020 SITC of SSB 1 (Main Building , L&P, Dhanuvachapuram)
Supply, installation , testing and commissioning of totally enclosed compartmentalized dust and vermin proof cubical segregated and modular in construction M.V. panel board free standing fabricated with 14swg and 16swg of CRCA M.S. sheet, powder coated , bus-bar chamber ,outgoing switchgear etc. (all feeder unit Would be compartmentalized), color coded PVC sleeved vertical / horizontal Aluminium busbar of required size of length, (bus-bar distances shall be minimum 32 mm) insulators, hardware, neoprene gasket , hinged door, interconnecting single core multi strand lugged copper wire having current density of 2A / sqmm of suitable capacity & size with lugs from busbar to switchgears / MCCB / MCB or where ever required, control wiring with 1 sqmm FRLS cable, ON/OFF, RYB phase indicators, two earthing terminal busbar of size 25 x 5 mm copper with nut & bolts at outside of the panel, rating and name plates for all incoming & outgoing etc. comprising with the followings as per the KEI standard. Switch gears – ABB/ Equivalent, Contactors – ABB, L&T/Equivalent. Incomer: - 125A TPN Isolator – 1 No. Outgoing: - 40A TP MCB – 4 Nos, 32A TP MCB - 3 Nos, 63A TP MCB - 1 No.</p>						
		1					1.000

							Total Quantity	1.000 each
							Total Deducted Quantity	0.000 each
							Net Total Quantity	1.000 each
							Say 1.000 each @ Rs 83598.78 / each	Rs 83598.78
13	<p>od69870/2019_2020 SITC of SSB (OAMT, Dhanuvachapuram)
Supply, installation , testing and commissioning of totally enclosed compartmentalized dust and vermin proof cubical segregated and modular in construction M.V. panel board free standing fabricated with14swg and 16swg of CRCA M.S. sheet, powder coated , busbar chamber ,outgoing switchgear etc. (all feeder unit Would be compart mentalized), color coded PVC sleeved vertical / horizontal Aluminium busbar of required size of length, (bus-bar distances shall be minimum 32 mm) insulators, hardware, neoprene gasket , hinged door, interconnecting single core multi strand lugged copper wire having current density of 2A / sqmm of suitable capacity & size with lugs from busbar to switchgears / MCCB / MCB or where ever required, control wiring with 1 sqmm FRLS cable, ON/OFF, RYB phase indicators, two earthing terminal busbar of size 25 x 5 mm copper with nut & bolts at outside of the panel, rating and name plates for all incoming & outgoing etc. comprising with the followings as per the KEI standard. Switch gears – ABB/ Equivalent, Contactors – ABB, L&T/Equivalent.
Incomer: - 125A TPN Isolator – 1 No. Outgoing: - 63A 3P MCCB – 3 No., 32A 3P MCCB – 3 No.</p>							
		2						2.000
							Total Quantity	2.000 each
							Total Deducted Quantity	0.000 each
							Net Total Quantity	2.000 each
							Say 2.000 each @ Rs 94926.28 / each	Rs 189852.56
14	<p>od21335/2019_2020 Supply of 50 sqmm 3.5 core PVC/XLPE insulated armoured cable with aluminium conductors for working voltages up to and including 1100 volts conforming IS 1584/part I/1988 for PVC IS 7098 part I for XLPE</p>							
		1	80.000					80.000
							Total Quantity	80.000 metre
							Total Deducted Quantity	0.000 metre
							Net Total Quantity	80.000 metre
							Say 80.000 metre @ Rs 360.00 / metre	Rs 28800.00
15	<p>od21338/2019_2020 Supply of 3.5C X 150 Sq.mm AYFY Cable</p>							
		1	160.000					160.000
							Total Quantity	160.000 metre
							Total Deducted Quantity	0.000 metre
							Net Total Quantity	160.000 metre
							Say 160.000 metre @ Rs 894.00 / metre	Rs 143040.00

16	od21342/2019_2020 Supply of 185 sqmm 3.5 core PVC/XLPE insulated armoured cable with aluminium conductors for working voltages up to and including 1100 volts conforming IS 1584/part I/1988 for PVC IS 7098 part I for XLPE							
		1	320.000				320.000	
	Total Quantity						320.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						320.000 metre	
	Say 320.000 metre @ Rs 1120.00 / metre						Rs 358400.00	
17	od21345/2019_2020 Supply of 35 sqmm 3.5 core PVC/XLPE insulated armoured cable with aluminium conductors for working voltages up to and including 1100 volts conforming IS 1584/part I/1988 for PVC IS 7098 part I for XLPE							
		1	20.000				20.000	
	Total Quantity						20.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						20.000 metre	
	Say 20.000 metre @ Rs 279.00 / metre						Rs 5580.00	
18	od21348/2019_2020 Supply of 25 sqmm 4 core PVC/XLPE insulated armoured cable with aluminium conductors for working voltages up to and including 1100 volts conforming IS 1584/part I/1988 for PVC IS 7098 part I for XLPE							
		1	500.000				500.000	
	Total Quantity						500.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						500.000 metre	
	Say 500.000 metre @ Rs 238.00 / metre						Rs 119000.00	
19	od21350/2019_2020 Supply of 16 sqmm 4 core PVC/XLPE insulated armoured cable with aluminium conductors for working voltages up to and including 1100 volts conforming IS 1584/part I/1988 for PVC IS 7098 part I for XLPE							
		1	180.000				180.000	
	Total Quantity						180.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						180.000 metre	
	Say 180.000 metre @ Rs 180.00 / metre						Rs 32400.00	
20	9.1.33 Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as							

	required.4 X 16 sq. mm (28mm)						
		6					6.000
	Total Quantity						6.000 set
	Total Deducted Quantity						0.000 set
	Net Total Quantity						6.000 set
	Say 6.000 set @ Rs 351.72 / set						Rs 2110.32
21	4.1.3 Supplying and installing following size of perforated pre-painted M.S. cable trays with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required. 225 mm width X 50 mm depth X 1.6 mm thickness						
	GF	1	100.000				100.000
	1F	1	100.000				100.000
	Total Quantity						200.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						200.000 metre
	Say 200.000 metre @ Rs 634.48 / metre						Rs 126896.00
22	4.1.4 Supplying and installing following size of perforated pre-painted M.S. cable trays with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required. 300 mm width X 50 mm depth X 1.6 mm thickness						
	GF	1	100.000				100.000
	1F	1	100.000				100.000
	Total Quantity						200.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						200.000 metre
	Say 200.000 metre @ Rs 725.51 / metre						Rs 145102.00
23	7.1.3 Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade offollowing size direct in ground including excavation, sand cushioning, protective covering andrefilling the trench etc as required. Above 95 sq. mm and upto 185 sq. mm						
		1	210.000				210.000
	Total Quantity						210.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						210.000 metre

		Say 210.000 metre @ Rs 307.58 / metre						Rs 64591.80
24	7.7.1	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KVgrade of following size on wall surface as required.Upto 35 sq. mm (clamped with 1mm thick saddle)						
		1	240.000				240.000	
		Total Quantity						240.000 metre
		Total Deducted Quantity						0.000 metre
		Net Total Quantity						240.000 metre
		Say 240.000 metre @ Rs 34.48 / metre						Rs 8275.20
25	7.7.2	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KVgrade of following size on wall surface as required.Above 35 sq. mm and upto 95 sq. mm (clamped with 25x3mm MS flat clamp)						
		1	30.000				30.000	
		Total Quantity						30.000 metre
		Total Deducted Quantity						0.000 metre
		Net Total Quantity						30.000 metre
		Say 30.000 metre @ Rs 99.31 / metre						Rs 2979.30
26	7.7.3	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KVgrade of following size on wall surface as required.Above 95 sq. mm and upto 185 sq. mm (clamped with 25/40x3mm MS flat clamp)						
		1	210.000				210.000	
		Total Quantity						210.000 metre
		Total Deducted Quantity						0.000 metre
		Net Total Quantity						210.000 metre
		Say 210.000 metre @ Rs 115.86 / metre						Rs 24330.60
27	7.8.1	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KVgrade of following size on cable tray as required.Upto 35 sq. mm (clamped with 1mm thick saddle)						
		1	790.000				790.000	
		Total Quantity						790.000 metre
		Total Deducted Quantity						0.000 metre
		Net Total Quantity						790.000 metre
		Say 790.000 metre @ Rs 28.97 / metre						Rs 22886.30
28	7.8.2							

	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KVgrade of following size on cable tray as required.Above 35 sq. mm and upto 95 sq. mm (clamped with 25x3mm MS flat clamp)						
		1	70.000				70.000
	Total Quantity						70.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						70.000 metre
	Say 70.000 metre @ Rs 67.59 / metre						Rs 4731.30
29	7.8.3 Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KVgrade of following size on cable tray as required.Above 95 sq. mm and upto 185 sq. mm (clamped with 25/40x3mm MS flat clamp)						
		1	33.000				33.000
	Total Quantity						33.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						33.000 metre
	Say 33.000 metre @ Rs 84.14 / metre						Rs 2776.62
30	14.14.2 Providing, laying and fixing following dia RCC pipe NP2 class (light duty) in ground complete withRCC collars, jointing with cement mortar 1:2 (1 cement : 2 fine sand) including trenching (75 cm deep) and refilling etc as required.150 mm dia						
		1	18.000				18.000
	Total Quantity						18.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						18.000 metre
	Say 18.000 metre @ Rs 558.62 / metre						Rs 10055.16
31	5.6 Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.						
		3					3.000
	Total Quantity						3.000 set
	Total Deducted Quantity						0.000 set
	Net Total Quantity						3.000 set
	Say 3.000 set @ Rs 11433.02 / set						Rs 34299.06
32	5.9						

	Supplying and laying 25 mm X 5 mm G.I strip at 0.50 metre below ground as strip earthelectrode, including connection/ terminating with G.I. nut, bolt, spring, washer etc. as required.(Jointing shall be done by overlapping and with 2 sets of G.I. nut bolt & spring washer spaced at 50mm)						
		1	120.000				120.000
	Total Quantity						120.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						120.000 metre
	Say 120.000 metre @ Rs 117.24 / metre						Rs 14068.80
33	5.15 Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.						
		1	40.000				40.000
	Total Quantity						40.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						40.000 metre
	Say 40.000 metre @ Rs 177.93 / metre						Rs 7117.20
34	90.11.1.12 Supply and installation of sheet steel, phosphatised and painted, dust and vermin proof enclosure of MCB DB including copper /brass bus bar, neutral link, earth bus and DIN rail suitable for fixing MCB/ isolator etc. fixed on wall using suitable anchor bolts or fixed in recess including cutting hole on the wall , making good the damages, colour washing etc. as required 8 way (8+24) - three phase double cover (IP 42/43)						
	GF	5					5.000
	1F	3					3.000
	Total Quantity						8.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						8.000 each
	Say 8.000 each @ Rs 4737.72 / each						Rs 37901.76
35	90.11.1.11 Supply and installation of sheet steel, phosphatised and painted, dust and vermin proof enclosure of MCB DB including copper /brass bus bar, neutral link, earth bus and DIN rail suitable for fixing MCB/ isolator etc. fixed on wall using suitable anchor bolts or fixed in recess including cutting hole on the wall , making good the damages, colour washing etc. as required 6 way (8+18) - three phase double cover (IP 42/43)						
	1F	2					2.000
	Total Quantity						2.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						2.000 each

	Say 2.000 each @ Rs 4424.72 / each						Rs 8849.44	
36	90.11.1.14 Supply and installation of sheet steel, phosphatised and painted, dust and vermin proof enclosure of MCB DB including copper /brass bus bar, neutral link, earth bus and DIN rail suitable for fixing MCB/ isolator etc. fixed on wall using suitable anchor bolts or fixed in recess including cutting hole on the wall , making good the damages, colour washing etc. as required 4 way (8+12) - double cover TPN vertical DB with provision for fixing 4P MCB / Isolator/ RCCB/ RCBO as incomer and SP/ TP MCB as outgoing (IP 42/43)							
	GF	1					1.000	
	1F	1					1.000	
	Total Quantity						2.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						2.000 each	
	Say 2.000 each @ Rs 6475.72 / each						Rs 12951.44	
37	90.11.1.15 Supply and installation of sheet steel, phosphatised and painted, dust and vermin proof enclosure of MCB DB including copper /brass bus bar, neutral link, earth bus and DIN rail suitable for fixing MCB/ isolator etc. fixed on wall using suitable anchor bolts or fixed in recess including cutting hole on the wall , making good the damages, colour washing etc. as required 6 way (8+18) - double cover TPN vertical DB with provision for fixing 4P MCB / Isolator/ RCCB/ RCBO as incomer and SP/ TP MCB as outgoing (IP 42/43)							
	GF	1					1.000	
	Total Quantity						1.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						1.000 each	
	Say 1.000 each @ Rs 7162.72 / each						Rs 7162.72	
38	90.11.1.16 Supply and installation of sheet steel, phosphatised and painted, dust and vermin proof enclosure of MCB DB including copper /brass bus bar, neutral link, earth bus and DIN rail suitable for fixing MCB/ isolator etc. fixed on wall using suitable anchor bolts or fixed in recess including cutting hole on the wall , making good the damages, colour washing etc. as required 8 way (8+18) - double cover TPN vertical DB with provision for fixing 4P MCB / Isolator/ RCCB/ RCBO as incomer and SP/ TP MCB as outgoing (IP 42/43)							
	GF	5					5.000	
	1F	2					2.000	
	Total Quantity						7.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						7.000 each	

	Say 7.000 each @ Rs 7853.72 / each						Rs 54976.04	
39	2.13.2 Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.63 amps							
	GF	7					7.000	
	1F	3					3.000	
	Total Quantity						10.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						10.000 each	
	Say 10.000 each @ Rs 935.17 / each						Rs 9351.70	
40	2.10.4 Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.Triple pole							
	GF	30					30.000	
	1F	11					11.000	
	Total Quantity						41.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						41.000 each	
	Say 41.000 each @ Rs 965.51 / each						Rs 39585.91	
41	2.13.1 Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.40 amps							
	GF	5					5.000	
	1F	5					5.000	
	Total Quantity						10.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						10.000 each	
	Say 10.000 each @ Rs 919.99 / each						Rs 9199.90	
42	2.15.2 Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.40 amps							
	GF	5					5.000	
	1F	5					5.000	
	Total Quantity						10.000 each	

		Total Deducted Quantity					0.000 each	
		Net Total Quantity					10.000 each	
		Say 10.000 each @ Rs 2939.29 / each					Rs 29392.90	
43	2.15.3 Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.63 amps							
	GF	7					7.000	
	1F	3					3.000	
		Total Quantity					10.000 each	
		Total Deducted Quantity					0.000 each	
		Net Total Quantity					10.000 each	
		Say 10.000 each @ Rs 3175.15 / each					Rs 31751.50	
44	2.10.1 Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.Single pole							
	GF	90					90.000	
	1F	60					60.000	
		Total Quantity					150.000 each	
		Total Deducted Quantity					0.000 each	
		Net Total Quantity					150.000 each	
		Say 150.000 each @ Rs 238.62 / each					Rs 35793.00	
45	2.18 Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth,metal enclosed plug top along with 20 amps "C" curve, SP, MCB, in sheet steel enclosure, onsurface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.							
	GROUND FLOOR	8					8.000	
	FIRST FLOOR	4					4.000	
		Total Quantity					12.000 each	
		Total Deducted Quantity					0.000 each	
		Net Total Quantity					12.000 each	
		Say 12.000 each @ Rs 1351.71 / each					Rs 16220.52	
46	2.19 Supplying and fixing 20 amps 415volts, TPN industrial type, socket outlet, with 4 pole and earth, metal							

	enclosed plug top along with 20 amps "C" curve, TPMCB, in sheet enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.						
	GROUND FLOOR	8					8.000
	FIRST FLOOR	4					4.000
	Total Quantity						12.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						12.000 each
	Say 12.000 each @ Rs 2006.88 / each						Rs 24082.56
47	2.20 Supplying and fixing 30 amps, 415 volts, TPN industrial type, socket outlet, with 4 pole and earth, metal enclosed plug top alongwith 30 amps "C" curve, TPMCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.						
	GROUND FLOOR	6					6.000
	Total Quantity						6.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						6.000 each
	Say 6.000 each @ Rs 3431.70 / each						Rs 20590.20
48	1.14.1 Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required 2x1.5 sq.mm + 1x1.5 sq.mm earth wire						
	GROUND FLOOR	1	1400.000				1400.000
	FIRST FLOOR	1	1400.000				1400.000
	Total Quantity						2800.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						2800.000 metre
	Say 2800.000 metre @ Rs 154.48 / metre						Rs 432544.00
49	1.14.2 Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required 2X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire						
	GF	1	550.000				550.000
	1F	1	550.000				550.000
	Total Quantity						1100.000 metre

		Total Deducted Quantity				0.000 metre	
		Net Total Quantity				1100.000 metre	
		Say 1100.000 metre @ Rs 188.96 / metre				Rs 207856.00	
50	1.14.3 Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required 2 X 4 sq. mm + 1 X 4 sq. mm earth wire						
	GF	1	200.000				200.000
	1F	1	80.000				80.000
		Total Quantity				280.000 metre	
		Total Deducted Quantity				0.000 metre	
		Net Total Quantity				280.000 metre	
		Say 280.000 metre @ Rs 231.72 / metre				Rs 64881.60	
51	1.14.8 Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required 4 X 4 sq. mm + 2 X 4 sq. mm earth wire						
	GF	1	160.000				160.000
	1F	1	120.000				120.000
		Total Quantity				280.000 metre	
		Total Deducted Quantity				0.000 metre	
		Net Total Quantity				280.000 metre	
		Say 280.000 metre @ Rs 387.58 / metre				Rs 108522.40	
52	1.14.9 Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required 4 X 6 sq. mm + 2 X 6 sq. mm earth wire						
	GF	1	160.000				160.000
		Total Quantity				160.000 metre	
		Total Deducted Quantity				0.000 metre	
		Net Total Quantity				160.000 metre	
		Say 160.000 metre @ Rs 544.82 / metre				Rs 87171.20	
53	1.24.1 Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. 5/6 amps switch						
	GF	85					85.000

	1F	130					130.000	
	Total Quantity						215.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						215.000 each	
	Say 215.000 each @ Rs 115.86 / each						Rs 24909.90	
54	1.24.3 Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.15/16 amp switch							
	GF	25					25.000	
	1F	24					24.000	
	Total Quantity						49.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						49.000 each	
	Say 49.000 each @ Rs 157.24 / each						Rs 7704.76	
55	1.24.4 Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.3 pin 5/6 amp socket outlet							
	GF	85					85.000	
	1F	130					130.000	
	Total Quantity						215.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						215.000 each	
	Say 215.000 each @ Rs 111.72 / each						Rs 24019.80	
56	1.24.5 Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.6 pin 15/16 amp socket outlet							
	GF	25					25.000	
	1F	24					24.000	
	Total Quantity						49.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						49.000 each	
	Say 49.000 each @ Rs 211.03 / each						Rs 10340.47	
57	90.2.1.6 Supply and wiring points according to IS 732-1989 using rigid PVC conduit of minimum size 20 mm with specials conforming to IS 9537 part III 1983 and with suitable size specials conforming to IS 3419-1988, fixing the conduit using metal saddles spacing not exceeding 50 cm or concealed suitably and with 1.00							

	sq mm FRLS PVC insulated stranded single core copper conductor cable 650V grade, including providing switch board main and continuous earthing with No.14 SWG bare copper, required quantity of copper earth socket, brass bolt and nut crimping/ soldering etc complete with suitable size modular type metal switch boxes, modular type front plates (white) etc. up to and including 6A modular type SP switches and making good the surface of wall, colour washing etc. complete. All the terminations in the switch boards and DB's shall be tinned and the wires shall be drawn and fixed along the periphery of the box using suitable ties, tie mounts etc as required. (RoHS compliant modular accessories). Combined plug point with 6 A, 5 pin plug socket controlled by 6 A, switch in the same switch board as that of light points						
	GF	20					20.000
	1F	14					14.000
	Total Quantity						34.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						34.000 each
	Say 34.000 each @ Rs 439.27 / each						Rs 14935.18
58	1.24.7 Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. TV antenna socket outlet						
	GF	1					1.000
	Total Quantity						1.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						1.000 each
	Say 1.000 each @ Rs 133.79 / each						Rs 133.79
59	1.24.8 Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. Bell push						
	GF	1					1.000
	Total Quantity						1.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						1.000 each
	Say 1.000 each @ Rs 157.24 / each						Rs 157.24
60	1.25 Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.						
	GF	70					70.000
	1F	70					70.000
	Total Quantity						140.000 each

							Total Deducted Quantity	0.000 each
							Net Total Quantity	140.000 each
							Say 140.000 each @ Rs 397.24 / each	Rs 55613.60
61	1.27.1	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.1 or 2 Module (75mmX75mm)						
	GF	2					2.000	
							Total Quantity	2.000 each
							Total Deducted Quantity	0.000 each
							Net Total Quantity	2.000 each
							Say 2.000 each @ Rs 241.38 / each	Rs 482.76
62	1.27.2	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.3 Module (100mmX75mm)						
	GF	32					32.000	
	1F	28					28.000	
							Total Quantity	60.000 each
							Total Deducted Quantity	0.000 each
							Net Total Quantity	60.000 each
							Say 60.000 each @ Rs 255.17 / each	Rs 15310.20
63	1.27.4	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.6 Module (200mmX75mm)						
	GF	39					39.000	
	1F	63					63.000	
							Total Quantity	102.000 each
							Total Deducted Quantity	0.000 each
							Net Total Quantity	102.000 each
							Say 102.000 each @ Rs 355.86 / each	Rs 36297.72
64	1.38	Supplying and fixing call bell/ buzzer suitable for single phase, 230 volts, complete as required.						
		1					1.000	
							Total Quantity	1.000 each
							Total Deducted Quantity	0.000 each
							Net Total Quantity	1.000 each

	Say 1.000 each @ Rs 84.14 / each						Rs 84.14	
65	1.10.3 Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required. Group C							
	GF	203					203.000	
	1F	225					225.000	
	Total Quantity						428.000 point	
	Total Deducted Quantity						0.000 point	
	Net Total Quantity						428.000 point	
	Say 428.000 point @ Rs 1044.13 / point						Rs 446887.64	
66	1.11 Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.							
	GF	6					6.000	
	1F	6					6.000	
	Total Quantity						12.000 point	
	Total Deducted Quantity						0.000 point	
	Net Total Quantity						12.000 point	
	Say 12.000 point @ Rs 1115.85 / point						Rs 13390.20	
67	1.55.3 Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell point (without independent switch etc.) with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed PVC conduit, and earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc. as required. Group C							
	GF	12					12.000	
	1F	8					8.000	
	Total Quantity						20.000 point	
	Total Deducted Quantity						0.000 point	
	Net Total Quantity						20.000 point	
	Say 20.000 point @ Rs 572.41 / point						Rs 11448.20	
68	90.4.5.2 Supply, conveyance, installation, testing and commissioning of ceiling fans of the following sizes using standard accessories excluding resistance type regulator, wiring the down rod with 16/0.20mm PVC							

	insulated and PVC sheathed 650/1100V grade 3 core round copper conductor flex wire or with extended original wiring etc. as required.1200mm sweep -5star rated ceiling fan complete with 300mm down rod , canopies, shackeles and blades and resistance type regulator working on 230V/240V single phase A/C						
	GF	55					55.000
	1F	62					62.000
	Total Quantity						117.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						117.000 each
	Say 117.000 each @ Rs 1862.03 / each						Rs 217857.51
69	90.3.19.3 Supply conveyance, installation, testing and commissioning the light fittings of following types made from CRCA sheet 0.5mm thickness with all accessories and lamps directly on wall and giving connections with 16/0.20 mm 3 core PVC insulated and sheathed round copper conductor flex wire or extending the original wiring and giving connections as required1200 mm 1X20W LED Lamp with box type fixture						
	GF	90					90.000
	1F	58					58.000
	Total Quantity						148.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						148.000 each
	Say 148.000 each @ Rs 1178.79 / each						Rs 174460.92
70	90.3.24.3 Supply & installation of light fittings suspended on ball & socket arrangement with 19 mm down rod Supply, conveyance, installation, testing and commissioning the light fittings of following types made of .5mm thick CRCA sheet accessories and lamps etc. including supplying and fixing ball and socket arrangements on PVC round block, suspension down rod of 19mm dia MS conduit up to 2x30cm length including painting and wiring the down rod with 16/0.20mm 3 core round copper conductor flex wire conforming to relevant ISS or extending the original wiring and giving connections etc. a required.1200 mm 1X20W LED Lamp with box type fixture						
	GF	24					24.000
	1F	87					87.000
	Total Quantity						111.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						111.000 each
	Say 111.000 each @ Rs 1444.79 / each						Rs 160371.69
71	90.3.24.4 Supply & installation of light fittings suspended on ball & socket arrangement with 19 mm down rod Supply, conveyance, installation, testing and commissioning the light fittings of following types made of .5mm thick CRCA sheet accessories and lamps etc. including supplying and fixing ball and						

	socket arrangements on PVC round block, suspension down rod of 19mm dia MS conduit up to 2x30cm length including painting and wiring the down rod with 16/0.20mm 3 core round copper conductor flex wire conforming to relevant ISS or extending the original wiring and giving connections etc. a required.1200 mm 2X20W LED Lamp with box type fixture						
	GF	28					28.000
	1F	12					12.000
	Total Quantity						40.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						40.000 each
	Say 40.000 each @ Rs 2015.79 / each						Rs 80631.60
72	od21372/2019_2020 Supply, installation , testing and commissioning of exhaust fans of size up to 450mm in the existing opening, fixing necessary anchor bolts / bolt and nuts etc., as required including giving connections with the supplied wire along with the exhaust fan. 300/305 mm sweep Light Duty Exhaust fan in metal frame working on 230 V A/C						
	GF	5					5.000
	1F	3					3.000
	Total Quantity						8.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						8.000 each
	Say 8.000 each @ Rs 2217.79 / each						Rs 17742.32
73	od21374/2019_2020 Supply, conveyance, installation, testing and commissioning of ceiling fans of the following sizes using standard accessories excluding resistance type regulator, wiring the down rod with 16/0.20mm PVC insulated and PVC sheathed 650/1100V grade 3 core round copper conductor flex wire or with extended original wiring etc. as required. 1400mm sweep ceiling fan complete with 300mm down rod , canopies, shackeles and blades and resistance type regulator working on 230V/240V single phase A/C						
	GF	15					15.000
	1F	8					8.000
	Total Quantity						23.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						23.000 each
	Say 23.000 each @ Rs 2086.96 / each						Rs 48000.08
74	od69726/2019_2020 Supply, installation, testing and commissioning of 5W LED wall light working on 230V, 50 Hz AC, including giving connections as required.						
		53					53.000

								Total Quantity	53.000 each
								Total Deducted Quantity	0.000 each
								Net Total Quantity	53.000 each
								Say 53.000 each @ Rs 325.21 / each	Rs 17236.13
75	od69727/2019_2020 SITC of Rust Resistant and Weather-Proof Bulk head light fixture with 9W LED lamp, IP 65 protection complete with all other accessories as required.								
		16						16.000	
								Total Quantity	16.000 no
								Total Deducted Quantity	0.000 no
								Net Total Quantity	16.000 no
								Say 16.000 no @ Rs 615.76 / no	Rs 9852.16
SI No	Description	No	L	B	D	CF	Quantity	Remark	
3 MAIN BUILDING FIRE FIGHTING WORKS									
1	od24373/2019_2020 M.S Hose Cabinet : - Providing & fixing M.S Hose cabinet door with powder coating of postal red color (of size minimum 1200mm wide, 2100mm height) made of M.S sheet 14 G with glass front door and locking arrangement to accommodate 2-hoses, one branch pipe and to accommodate F.A. hose reel in addition for internal hydrant complete as per direction of Engineer incharge. 								
		4						4.000	
								Total Quantity	4.000 each
								Total Deducted Quantity	0.000 each
								Net Total Quantity	4.000 each
								Say 4.000 each @ Rs 6225.26 / each	Rs 24901.04
2	od24375/2019_2020 FIRE HOSE REEL : - Providing and fixing first aid hose reel full swinging type with 30 m length x 20 mm dia rubber lined pipe with ABS plastic shut off nozzle of 6 mm dia. The hose reel shall conform to IS requirements. Rate shall include 25 mm dia pipe connection from riser to hose reel including flexible pipe, sockets, nipples, elbows and 25 mm ball valve. Make: Newage/SRI/Monsher								
		4						4.000	
								Total Quantity	4.000 each
								Total Deducted Quantity	0.000 each
								Net Total Quantity	4.000 each
								Say 4.000 each @ Rs 9737.51 / each	Rs 38950.04
3	od24425/2019_2020 Supplying and fixing stainless steel Single headed internal hydrant valves with instantaneous stainless steel couplings of 63mm dia. With cast iron wheel ISI marked conforming to IS 5290 (Type-A) with blank								

	stainless steel cap and chain, stainless steel orifice plate for reducing the pressure upto 3.5 kg/cm ² at outlet. Make:- ISI Approved						
		4					4.000
	Total Quantity						4.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						4.000 each
	Say 4.000 each @ Rs 8302.82 / each						Rs 33211.28
4	od24427/2019_2020 Providing 63mm (2½)" dia 15 m long canvas hose pipe complete with stainless steel male & female coupling stainless steel wire wound with the pipe The pipe shall confirm to IS. 4927. Make: ISI Approved.						
		4					4.000
	Total Quantity						4.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						4.000 each
	Say 4.000 each @ Rs 5485.24 / each						Rs 21940.96
5	od24659/2019_2020 Providing and fixing 63 mm dia standard stainless steel short Branch Pipe female instantaneous inlet, male threaded outlet, complete with hexagonal base nozzle as per IS 903 with 20 mm nozzle complete with fixing clamps. Make: Essel/Priyanka/Newage						
		4					4.000
	Total Quantity						4.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						4.000 each
	Say 4.000 each @ Rs 2702.24 / each						Rs 10808.96
6	od21299/2019_2020 Above Ground Piping :- Providing, fixing, welding joints and testing of 80 mm Dia. heavy class MS ERW Black pipes as per relevant IS 1239/3589 with special accessories tees, elbows, flanged joints, rubber insertion, nuts, bolts, washers or welded joint with flange joints on bends, including fixing the pipe with suitable flat iron strip clamps/brackets structural members dash fastener,civil breakage,making good the same etc. painting with a primer coat and two coats of postal red enamel etc. complete as required. (for wet riser system)						
		3					3.000
	Total Quantity						3.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						3.000 metre
	Say 3.000 metre @ Rs 1114.17 / metre						Rs 3342.51

7	od24662/2019_2020 Supply, installing, testing and commissioning of Fire Extinguisher dry chemical powder type ISI mark, 5 kg capacity with initial charger and installation brackets.Make - Safex / Warrior / Intime						
		4					4.000
	Total Quantity						4.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						4.000 each
	Say 4.000 each @ Rs 2208.07 / each						Rs 8832.28
8	od21311/2019_2020 ESCAPE ROUTE SIGNS :- Supply & installing in position self glowing " EXIT " sign board to guide the occupants towards the exits of size 100mm x 300 mm made of luminescent safely, rigid sheet in green colour, photo luminescent rigid sheet with two each hanging chains & necessary supports to hang it on ceiling.						
	Ground Floor	3					3.000
	First Floor	2					2.000
	Total Quantity						5.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						5.000 each
	Say 5.000 each @ Rs 751.69 / each						Rs 3758.45
9	od21315/2019_2020 FIRE EXIT :- Supply & installing in position self glowing " FIRE EXIT " sign board of size 100mm x 300 mm made of luminescent safely, rigid sheet in green colour, photo luminescent rigid sheet with two each hanging chains & necessary supports to hang it on ceiling.						
	Ground Floor	1					1.000
	First Floor	1					1.000
	Total Quantity						2.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						2.000 each
	Say 2.000 each @ Rs 549.07 / each						Rs 1098.14
10	od21319/2019_2020 3 core cable,2.5sq mm,copper. Make:- ISI approved						
	For Terrace Pump	25					25.000
	Total Quantity						25.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						25.000 metre
	Say 25.000 metre @ Rs 370.90 / metre						Rs 9272.50

11	od21323/2019_2020 Providing and fixing Two Way Fire Brigade Inlet to Hydrant outside the Building (Butterfly valve and non return valve to be paid separately) complete in all respects : Make:- ISI Approved.						
	For Down Comer Line	1					1.000
	Total Quantity						1.000 no
	Total Deducted Quantity						0.000 no
	Net Total Quantity						1.000 no
	Say 1.000 no @ Rs 10135.85 / no						Rs 10135.85
12	od21329/2019_2020 Downcomer panel with starter panel for terrace pump. Make: IS Approved						
	For terrace pump	1					1.000
	Total Quantity						1.000 no
	Total Deducted Quantity						0.000 no
	Net Total Quantity						1.000 no
	Say 1.000 no @ Rs 2867.40 / no						Rs 2867.40
13	od24682/2019_2020 FIRE PUMPS (terrace pump) : - "Supplying, installing, testing & commissioning of electric driven pressurization pump (terrace pump) suitable for automatic operation and consisting of following: complete in all respect as required : "Horizontal type, multistage, centrifugal pump of cast iron body & bronze impeller with stainless steel shaft, mechanical seal to ensure a minimum pressure of 3.5 kg/sq.cm. at highest and farthest outlet at specified flow of 900 lpm. Make :- ISI kirloskar (KDS 520)/ IS Approved						
		1					1.000
	Total Quantity						1.000 no
	Total Deducted Quantity						0.000 no
	Net Total Quantity						1.000 no
	Say 1.000 no @ Rs 52365.00 / no						Rs 52365.00
14	od24677/2019_2020 Above Ground Piping :- Providing, fixing, welding joints and testing of 100 mm Dia. heavy class MS ERW Black pipes as per relevant IS 1239/3589 with special accessories tees, elbows, flanged joints, rubber insertion, nuts, bolts, washers or welded joint with flange joints on bends, including fixing the pipe with suitable flat iron strip clamps/brackets structural members dash fastener,civil breakage,making good the same etc. painting with a primer coat and two coats of postal red enamel etc. complete as required. (for wet riser system)						
		1	88.000				88.000
	Total Quantity						88.000 metre
	Total Deducted Quantity						0.000 metre

		Net Total Quantity					88.000 metre	
		Say 88.000 metre @ Rs 1345.31 / metre					Rs 118387.28	
15	od24679/2019_2020 Below Ground Piping :- Providing, fixing, welding joints and testing of 100 mm Dia. heavy class MS ERW Black pipes as per relevant IS 1239/3589 with special accessories tees, elbows, flanged joints, rubber insertion, nuts, bolts, washers or welded joint with flange joints on bends and other fitting etc, painting with one coat of anti-corrosive paint and two coats of epoxy paint and and wrapping with polymer corrosion protection tape confirming to IS 10221 with proper overlapping, trimming etc. complete as required . (for wet riser system)							
		1	12.000				12.000	
		Total Quantity					12.000 metre	
		Total Deducted Quantity					0.000 metre	
		Net Total Quantity					12.000 metre	
		Say 12.000 metre @ Rs 1600.10 / metre					Rs 19201.20	
16	od21343/2019_2020 Providing and fixing 100mm dia. Cast iron Non-Return Valve. Make:- ISI Approved. 							
	For Pump	1					1.000	
	For Fire Brigade Inlet	1					1.000	
		Total Quantity					2.000 each	
		Total Deducted Quantity					0.000 each	
		Net Total Quantity					2.000 each	
		Say 2.000 each @ Rs 3993.07 / each					Rs 7986.14	
17	od21346/2019_2020 Providing & fixing pressure gauges of not less than 100mm dia dial of pressure range 0-10 kg/cmsq complete with shut off valve duly calibrated before installation.Make:- ISI Approved. 							
	For Terrace pump	1					1.000	
		Total Quantity					1.000 each	
		Total Deducted Quantity					0.000 each	
		Net Total Quantity					1.000 each	
		Say 1.000 each @ Rs 1018.69 / each					Rs 1018.69	
18	od21349/2019_2020 Providing and fixing 25 mm dia. Air Releasing Valve. Make:- ISI Approved.							
	For Down Comer System	01					1.000	
		Total Quantity					1.000 each	
		Total Deducted Quantity					0.000 each	

	Net Total Quantity						1.000 each	
	Say 1.000 each @ Rs 1597.72 / each						Rs 1597.72	
19	od21351/2019_2020 Supplying, testing, installation & commissioning of pressure switches for Hydrant, and Standby, including necessary wiring up to control panel & other materials. 							
	For Terrace Pump	01					1.000	
	Total Quantity						1.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						1.000 each	
	Say 1.000 each @ Rs 3501.89 / each						Rs 3501.89	
20	od21353/2019_2020 Providing and fixing 100 mm Dia. cast iron Butterfly valve of the following size complete with S.S. 304 disc, bolts, nuts, washers and neoprene gaskets as per specifications.							
	For Terrace Pump	2					2.000	
	For Fire Brigade Inlet	1					1.000	
	Total Quantity						3.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						3.000 each	
	Say 3.000 each @ Rs 6142.02 / each						Rs 18426.06	
21	od61467/2019_2020 Supply, Installation, Testing and commissioning of Over head tank (Structural Steel) with necessary Accessories (Nuts, Bolt and Support.etc) , Approved Make/Materials :- ISI Approved Materials.							
		1					1.000	
	Total Quantity						1.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						1.000 no	
	Say 1.000 no @ Rs 662372.00 / no						Rs 662372.00	
SI No	Description	No	L	B	D	CF	Quantity	Remark
4 SUMP TANK CIVIL WORKS								
1	2.6.1 Earth work in excavation by mechanical means (Hydraulic excavator)/manual means 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 up to 50 m and lift up to 1.5 m, disposed earth to be levelled and neatly dressed. All kinds of soil							
		1	540.000				540.000	
	Total Quantity						540.000 cum	

							Total Deducted Quantity	0.000 cum
							Net Total Quantity	540.000 cum
							Say 540.000 cum @ Rs 173.72 / cum	Rs 93808.80
2	4.1.8	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 nominal size)						
		1	12.300					12.300
							Total Quantity	12.300 cum
							Total Deducted Quantity	0.000 cum
							Net Total Quantity	12.300 cum
							Say 12.300 cum @ Rs 6176.71 / cum	Rs 75973.53
3	4.3.1	Centering and shuttering including strutting, propping etc. and removal of form work for:Foundations, footings, bases for columns						
		1	30.750					30.750
							Total Quantity	30.750 sqm
							Total Deducted Quantity	0.000 sqm
							Net Total Quantity	30.750 sqm
							Say 30.750 sqm @ Rs 267.52 / sqm	Rs 8226.24
4	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m.						
		1	45.000					45.000
							Total Quantity	45.000 cum
							Total Deducted Quantity	0.000 cum
							Net Total Quantity	45.000 cum
							Say 45.000 cum @ Rs 173.45 / cum	Rs 7805.25
5	5.33.1	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer - in-charge. Note:- Cement content considered in this item is @ 330 kg/ cum. Excess or less cement used as per design mix is payable or recoverable separately.All work upto plinth level						

		1	35.000				35.000	
	Total Quantity						35.000 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						35.000 cum	
	Say 35.000 cum @ Rs 8891.66 / cum						Rs 311208.10	
6	5.9.1 Centering and shuttering including strutting, etc. and removal of form for:Foundations, footings, bases of columns, etc for mass concrete							
		1	13.220				13.220	
	Total Quantity						13.220 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						13.220 sqm	
	Say 13.220 sqm @ Rs 267.52 / sqm						Rs 3536.61	
7	5.33.2 Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer - in-charge. Note:- Cement content considered in this item is @ 330 kg/ cum. Excess or less cement used as per design mix is payable or recoverable separately.All work above plinth level upto floor V level							
		1	50.600				50.600	
	All works above plinth level for Slab	1	19.790				19.790	
	Total Quantity						70.390 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						70.390 cum	
	Say 70.390 cum @ Rs 9999.99 / cum						Rs 703899.30	
8	5.9.2 Centering and shuttering including strutting, etc. and removal of form for:Walls (any thickness) including attached pilasters, buttersesses, plinth and string courses etc.							
		1	427.200				427.200	
	Total Quantity						427.200 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						427.200 sqm	
	Say 427.200 sqm @ Rs 522.20 / sqm						Rs 223083.84	

9	5.9.3 Centering and shuttering including strutting, etc. and removal of form for:Suspended floors, roofs, landings, balconies and access platform	1	102.790				102.790	
		Total Quantity					102.790 sqm	
		Total Deducted Quantity					0.000 sqm	
		Net Total Quantity					102.790 sqm	
		Say 102.790 sqm @ Rs 582.48 / sqm					Rs 59873.12	
10	5.22.6 Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete upto plinth levelThermo - Mechanically Treated bars of grade Fe-500D or more	1	10562.000				10562.000	
		Total Quantity					10562.000 kilogram	
		Total Deducted Quantity					0.000 kilogram	
		Net Total Quantity					10562.000 kilogram	
		Say 10562.000 kilogram @ Rs 78.07 / kilogram					Rs 824575.34	
11	22.4.1 Providing and Placing in position suitable PVC water stops conforming to IS : 12200 for construction / expansion joints between two RCC members and fixed to the reinforcement with binding wire before pouring concrete etc. complete:Serrated with central bulb (225 mm wide, 8-11 mm thick)	1					1.000	
		Total Quantity					1.000 metre	
		Total Deducted Quantity					0.000 metre	
		Net Total Quantity					1.000 metre	
		Say 1.000 metre @ Rs 350.55 / metre					Rs 350.55	
12	22.23.1 Providing and applying integral crystalline slurry of hydrophilic in nature forwaterproofing treatment to the RCC structures like retaining walls of the basement,water tanks, roof slabs, podiums, reservior, sewage & water treatment plant, tunnels/ subway and bridge deck etc., prepared by mixing in the ratio of 5 : 2 (5 partsintegral crystalline slurry : 2 parts water) for vertical surfaces and 3 : 1 (3 partsintegral crystalline slurry : 1 part water) for horizontal surfaces and applying thesame from negative (internal) side with the help of synthetic fiber brush. The materialshall meet the requirements as specified in ACI-212-3R-2010 i.e by reducingpermeability of concrete by more than 90% compared with control concrete as perDIN 1048 and resistant to 16 bar hydrostatic pressure on negative side. The crystallineslurry shall be capable of self-healing of cracks up to a width of 0.50mm. The workshall be carried out all complete as per specification and the direction of the engineerin-charge. The product performance shall carry guarantee for 10 years against anyleakage.For vertical surface two coats @0.70 kg per sqm	1	346.752				346.752	

									Total Quantity	346.752 sqm
									Total Deducted Quantity	0.000 sqm
									Net Total Quantity	346.752 sqm
									Say 346.752 sqm @ Rs 645.65 / sqm	Rs 223880.43
13	22.23.2 Providing and applying integral crystalline slurry of hydrophilic in nature for waterproofing treatment to the RCC structures like retaining walls of the basement, water tanks, roof slabs, podiums, reservoir, sewage & water treatment plant, tunnels/ subway and bridge deck etc., prepared by mixing in the ratio of 5 : 2 (5 parts integral crystalline slurry : 2 parts water) for vertical surfaces and 3 : 1 (3 parts integral crystalline slurry : 1 part water) for horizontal surfaces and applying the same from negative (internal) side with the help of synthetic fiber brush. The material shall meet the requirements as specified in ACI-212-3R-2010 i.e. by reducing permeability of concrete by more than 90% compared with control concrete as per DIN 1048 and resistant to 16 bar hydrostatic pressure on negative side. The crystalline slurry shall be capable of self-healing of cracks up to a width of 0.50mm. The work shall be carried out all complete as per specification and the direction of the engineer-in-charge. The product performance shall carry guarantee for 10 years against any leakage. For horizontal surface one coat @ 1.10 kg per sqm.									
									1	98.670
										98.670
									Total Quantity	98.670 sqm
									Total Deducted Quantity	0.000 sqm
									Net Total Quantity	98.670 sqm
									Say 98.670 sqm @ Rs 499.79 / sqm	Rs 49314.28
14	13.4.1 12 mm cement plaster of mix:1:4 (1 cement : 4 coarse sand)									
									1	520.000
										520.000
									Total Quantity	520.000 sqm
									Total Deducted Quantity	0.000 sqm
									Net Total Quantity	520.000 sqm
									Say 520.000 sqm @ Rs 249.45 / sqm	Rs 129714.00
15	od21324/2019_2020 Supply and fixing double sealed Ductile Iron manhole covers of size 800x800 mm with frames (Medium duty)									
									6	
										6.000
									Total Quantity	6.000 each
									Total Deducted Quantity	0.000 each
									Net Total Quantity	6.000 each
									Say 6.000 each @ Rs 15842.61 / each	Rs 95055.66
SI No	Description	No	L	B	D	CF	Quantity	Remark		

5 FRONT GATE WITH SECURITY CABIN CIVIL WORKS								
1	2.6.1	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means 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 up to 50 m and lift up to 1.5 m, disposed earth to be levelled and neatly dressed.All kinds of soil						
		1				8.16	8.160	
		Total Quantity					8.160 cum	
		Total Deducted Quantity					0.000 cum	
		Net Total Quantity					8.160 cum	
		Say 8.160 cum @ Rs 173.72 / cum					Rs 1417.56	
2	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m.						
		1	4.200				4.200	
		Total Quantity					4.200 cum	
		Total Deducted Quantity					0.000 cum	
		Net Total Quantity					4.200 cum	
		Say 4.200 cum @ Rs 173.45 / cum					Rs 728.49	
3	2.27	Supplying and filling in plinth with Jamuna sand under floors, including watering, ramming consolidating and dressing complete.						
		1				2.1	2.100	
		Total Quantity					2.100 cum	
		Total Deducted Quantity					0.000 cum	
		Net Total Quantity					2.100 cum	
		Say 2.100 cum @ Rs 1265.85 / cum					Rs 2658.29	
4	4.1.6	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)						
		1				0.56	0.560	
		Total Quantity					0.560 cum	
		Total Deducted Quantity					0.000 cum	
		Net Total Quantity					0.560 cum	

		Say 0.560 cum @ Rs 6640.71 / cum					Rs 3718.80	
5	4.1.8 Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 nominal size)							
		1	1.170				1.170	
		Total Quantity					1.170 cum	
		Total Deducted Quantity					0.000 cum	
		Net Total Quantity					1.170 cum	
		Say 1.170 cum @ Rs 6176.71 / cum					Rs 7226.75	
6	4.3.1 Centering and shuttering including strutting, propping etc. and removal of form work for:Foundations, footings, bases for columns							
		1	2.850				2.850	
		Total Quantity					2.850 sqm	
		Total Deducted Quantity					0.000 sqm	
		Net Total Quantity					2.850 sqm	
		Say 2.850 sqm @ Rs 267.52 / sqm					Rs 762.43	
7	4.11 Providing and laying damp-proof course 50 mm thick with cement concrete 1:2:4(1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).							
		1	4.560				4.560	
		Total Quantity					4.560 sqm	
		Total Deducted Quantity					0.000 sqm	
		Net Total Quantity					4.560 sqm	
		Say 4.560 sqm @ Rs 441.72 / sqm					Rs 2014.24	
8	5.9.3 Centering and shuttering including strutting, etc. and removal of form for:Suspended floors, roofs, landings, balconies and access platform							
		1	12.000				12.000	
		Total Quantity					12.000 sqm	
		Total Deducted Quantity					0.000 sqm	
		Net Total Quantity					12.000 sqm	
		Say 12.000 sqm @ Rs 582.48 / sqm					Rs 6989.76	
9	5.9.5 Centering and shuttering including strutting, etc. and removal of form for:Lintels, beams, plinth beams,							

	girders bressumers and cantilevers							
		1	3.750				3.750	
	Total Quantity						3.750 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						3.750 sqm	
	Say 3.750 sqm @ Rs 472.96 / sqm						Rs 1773.60	
10	5.9.16.1 Centering and shuttering including strutting, etc. and removal of form for:Edges of slabs and breaks in floors and wallsUnder 20 cm wide							
		1	15.200				15.200	
	Total Quantity						15.200 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						15.200 metre	
	Say 15.200 metre @ Rs 168.55 / metre						Rs 2561.96	
11	5.22.6 Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete upto plinth levelThermo - Mechanically Treated bars of grade Fe-500D or more							
		1	243.000				243.000	
	Total Quantity						243.000 kilogram	
	Total Deducted Quantity						0.000 kilogram	
	Net Total Quantity						243.000 kilogram	
	Say 243.000 kilogram @ Rs 78.07 / kilogram						Rs 18971.01	
12	5.33.2 Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer - in-charge. Note:- Cement content considered in this item is @ 330 kg/ cum. Excess or less cement used as per design mix is payable or recoverable separately.All work above plinth level upto floor V level							
		1	3.750				3.750	
	Total Quantity						3.750 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						3.750 cum	
	Say 3.750 cum @ Rs 9999.99 / cum						Rs 37499.96	

13	7.1.1 Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) up to plinth level with:Cement mortar 1:6 (1 cement : 6 coarse sand)	1	6.990			6.990	
		Total Quantity				6.990 cum	
		Total Deducted Quantity				0.000 cum	
		Net Total Quantity				6.990 cum	
		Say 6.990 cum @ Rs 5470.10 / cum				Rs 38236.00	
14	50.6.1.8 Solid block masonry using pre cast solid blocks (Factory made) of size 40x20x15cm or nearest available size confirming to IS 2185 part I of 1979 for super structure up to floor two level with thickness 15cm in: CM 1:6 (1 cement : 6 coarse sand etc complete	1	7.120			7.120	
		Total Quantity				7.120 cum	
		Total Deducted Quantity				0.000 cum	
		Net Total Quantity				7.120 cum	
		Say 7.120 cum @ Rs 5868.04 / cum				Rs 41780.44	
15	13.4.1 12 mm cement plaster of mix:1:4 (1 cement : 4 coarse sand)	1	33.360			33.360	
		Total Quantity				33.360 sqm	
		Total Deducted Quantity				0.000 sqm	
		Net Total Quantity				33.360 sqm	
		Say 33.360 sqm @ Rs 249.45 / sqm				Rs 8321.65	
16	13.4.2 12 mm cement plaster of mix:1:6 (1 cement : 6 coarse sand)	1	58.800			58.800	
		Total Quantity				58.800 sqm	
		Total Deducted Quantity				0.000 sqm	
		Net Total Quantity				58.800 sqm	
		Say 58.800 sqm @ Rs 232.07 / sqm				Rs 13645.72	
17	13.16.1 6 mm cement plaster of mix:1:3 (1 cement : 3 fine sand)	1	12.000			12.000	
		Total Quantity				12.000 sqm	

		Total Deducted Quantity					0.000 sqm	
		Net Total Quantity					12.000 sqm	
		Say 12.000 sqm @ Rs 198.34 / sqm					Rs 2380.08	
18	11.41.2 Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622, of approved make, in all colours and shades, laid on 20 mm thick cement mortar 1:4(1 cement : 4 coarse sand), including grouting the joints with white cement and matching pigments etc., complete.Size of Tile 600 x 600 mm.							
		1	12.000			12.000		
		Total Quantity					12.000 sqm	
		Total Deducted Quantity					0.000 sqm	
		Net Total Quantity					12.000 sqm	
		Say 12.000 sqm @ Rs 1543.99 / sqm					Rs 18527.88	
19	13.43.1 Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface:Water thinnable cement primer							
		1	115.060			115.060		
		Total Quantity					115.060 sqm	
		Total Deducted Quantity					0.000 sqm	
		Net Total Quantity					115.060 sqm	
		Say 115.060 sqm @ Rs 50.97 / sqm					Rs 5864.61	
20	13.82.2 Wall painting with acrylic emulsion paint, having VOC (Volatile Organic Compound) content less than 50 grams/ litre, of approved brand and manufacture including applying additional coats wherever required, to achieve even shade and colour.Two coats							
		1	115.060			115.060		
		Total Quantity					115.060 sqm	
		Total Deducted Quantity					0.000 sqm	
		Net Total Quantity					115.060 sqm	
		Say 115.060 sqm @ Rs 101.93 / sqm					Rs 11728.07	
21	9.48.2 Providing and fixing M.S. Grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.Fixed to openings/ wooden frames with rawl plugs screws etc							
		1				32.4	32.400	
		Total Quantity					32.400 kg	

						Total Deducted Quantity	0.000 kg	
						Net Total Quantity	32.400 kg	
						Say 32.400 kg @ Rs 155.10 / kg	Rs 5025.24	
22	9.147.5	<p>Providing and fixing factory made uPVC white colour casement/casement cum fixed glazed windows comprising of uPVC multi-chambered frame, sash and mullion (where ever required) extruded profiles duly reinforced with 1.60 +/- 0.2mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), uPVC extruded glazing beads of appropriate dimension, EPDM gasket, stainless steel (SS 304 grade) friction hinges, zinc alloy (white powder coated) casement handles, G.I fasteners 100 x 8mm size for fixing frame to finished wall, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, mullion (if required) shall be also fusion welded including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. (Single / double glass panes and silicon sealant shall be paid separately)</p> <p>Note: For uPVC frame, sash and mullion extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable. Casement window double panels with S.S. friction hinges (350 x 19 x 1.9 mm) made of (big series) frame 67 x 60 mm & sash / mullion 67 x 80 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead / double glazing bead of appropriate dimension. (Area of window above 1.50 sqm).</p>						
		1				3.24	3.240	
		Total Quantity						3.240 sqm
		Total Deducted Quantity						0.000 sqm
		Net Total Quantity						3.240 sqm
		Say 3.240 sqm @ Rs 11549.15 / sqm						Rs 37419.25
23	21.3.2	<p>Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer - in -Charge. (Cost of aluminium snap beading shall be paid in basic item): With float glass panes of 5.50 mm thickness</p>						
		1	3.240			0.95	3.078	
		Total Quantity						3.078 sqm
		Total Deducted Quantity						0.000 sqm
		Net Total Quantity						3.078 sqm
		Say 3.078 sqm @ Rs 1384.75 / sqm						Rs 4262.26
24	od21356/2019_2020	<p>Supplying fully finished Pre Hung Door:- Both side HP Laminate vertical grain pattern Flush door with matching PVC
 Wrapped WPC Jamb with front side Architrave other side Tackers. Door of 35mm thick with 4 side edges painted / Lock Hole Boring (Using mortise lock)/ Hinge Rebate Cutting (4 Nos) ,Jamb width 100 mm. Latch with Lever handles without Keys SS finish - 1 No, Hinges 4" x 3" x 3mm SS</p>						

	finish - 4 Nos .Tower Bolt 6" SS Finish - 1 No.(Jacsons or Approved equivalent)						
		1	3.360				3.360
	Total Quantity						3.360 sqm of door area
	Total Deducted Quantity						0.000 sqm of door area
	Net Total Quantity						3.360 sqm of door area
	Say 3.360 sqm of door area @ Rs 8461.71 / sqm of door area						Rs 28431.35
25	10.2 Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.						
		1	941.000				941.000
	Total Quantity						941.000 kg
	Total Deducted Quantity						0.000 kg
	Net Total Quantity						941.000 kg
	Say 941.000 kg @ Rs 93.31 / kg						Rs 87804.71
26	25.7 Designing, fabricating, testing, installing and fixing in position Curtain Wall with Aluminium Composite Panel Cladding, with open grooves for linear as well as curvilinear portions of the building , for all heights and all levels etc. including:a) Structural analysis & design and preparation of shop drawings for pressure equalisation or rain screen principle as required, proper drainage of water to make it watertight including checking of all the structural and functional design.b) Providing, fabricating and supplying and fixing panels of aluminium composite panel cladding in pan shape in metallic colour of approved shades made out of 4mm thick aluminium composite panel material consisting of 3mm thick FR grade mineral core sandwiched between two Aluminium sheets (each 0.5mm thick). The aluminium composite panel cladding sheet shall be coil coated, with Kynar 500 based PVDF / Lumiflon based fluoropolymer resin coating of approved colour and shade on face # 1 and polymer (Service) coating on face # 2 as specified using stainless steel screws, nuts, bolts, washers, cleats, weather silicone sealant, backer rods etc.c) The fastening brackets of Aluminium alloy 6005 T5 / MS with Hot Dip Galvanised with serrations and serrated washers to arrest the wind load movement, fasteners, SS 316 Pins and anchor bolts of approved make in SS 316, Nylon separators to prevent bi-metallic contacts all complete required to perform as per specification and drawing The item includes cost of all material & labour component, the cost of all mock ups at site, cost of all samples of the individual components for testing in an approved laboratory, field tests on the assembled working curtain wall with aluminium composite panel cladding, cleaning and protection of the curtain wall with aluminium composite panel cladding till the handing over of the building for occupation. Base frame work for ACP cladding is payable under the relevant aluminium item.s The Contractor shall provide curtain wall with aluminium composite panel cladding, having all the performance characteristics all complete, as per the Architectural drawings, as per item description, as specified, as per the approved shop drawings and as directed by the Engineer-in-Charge. However, for the purpose of payment, only the actual area on the external face of the curtain wall with Aluminium Composite Panel						

Cladding (including width of groove) shall be measured in sqm. up to two decimal places.								
		1	44.700				44.700	
Total Quantity							44.700 sqm	
Total Deducted Quantity							0.000 sqm	
Net Total Quantity							44.700 sqm	
Say 44.700 sqm @ Rs 4697.76 / sqm							Rs 209989.87	
27	13.84.2 Painting with synthetic enamel paint, having VOC (Volatile Organic Compound) content less than 150 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour. Two coats							
		1	55.700				55.700	
Total Quantity							55.700 sqm	
Total Deducted Quantity							0.000 sqm	
Net Total Quantity							55.700 sqm	
Say 55.700 sqm @ Rs 103.52 / sqm							Rs 5766.06	
SI No	Description	No	L	B	D	CF	Quantity	Remark
6 FRONT GATE WITH SECURITY CABIN M AND E WORKS								
1	2.10.1 Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Single pole							
		12					12.000	
Total Quantity							12.000 each	
Total Deducted Quantity							0.000 each	
Net Total Quantity							12.000 each	
Say 12.000 each @ Rs 238.62 / each							Rs 2863.44	
2	2.13.1 Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required. 40 amps							
		1					1.000	
Total Quantity							1.000 each	
Total Deducted Quantity							0.000 each	
Net Total Quantity							1.000 each	
Say 1.000 each @ Rs 919.99 / each							Rs 919.99	
3	2.15.2 Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current							

	circuit breaker (RCCB), having a sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.40 amps						
		1					1.000
	Total Quantity						1.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						1.000 each
	Say 1.000 each @ Rs 2939.29 / each						Rs 2939.29
4	1.10.3 Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit,with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLSPVC insulated copper conductor single core cable etc as required.Group C						
		1	6.000				6.000
	Total Quantity						6.000 point
	Total Deducted Quantity						0.000 point
	Net Total Quantity						6.000 point
	Say 6.000 point @ Rs 1044.13 / point						Rs 6264.78
5	1.14.1 Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required 2x1.5 sq.mm + 1x1.5 sq.mm earth wire						
		1	50.000				50.000
		240					240.000
	Total Quantity						290.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						290.000 metre
	Say 290.000 metre @ Rs 154.48 / metre						Rs 44799.20
6	od21295/2019_2020 Supply of 16 sqmm 4 core PVC/XLPE insulated armoured cable with aluminium conductors for working voltages up to and including 1100 volts conforming IS 1584/part I/1988 for PVC IS 7098 part I for XLPE						
		1	60.000				60.000
	Total Quantity						60.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						60.000 metre
	Say 60.000 metre @ Rs 180.00 / metre						Rs 10800.00
7	od21320/2019_2020						

	Supply, installation , testing and commissioning of Wall fan of 300mm sweep dia on wall, fixing necessary anchor bolts / bolt and nuts etc., as required including giving connections with the supplied wire along with the Wall fan. 300mm sweep wall fan working on 230 V A/C						
		2					2.000
	Total Quantity						2.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						2.000 each
	Say 2.000 each @ Rs 2281.79 / each						Rs 4563.58
8	od69739/2019_2020 Supply, installation, testing and commissioning of LED 3W Spike light, IP65 with all other accessories as required.						
		6					6.000
	Total Quantity						6.000 no
	Total Deducted Quantity						0.000 no
	Net Total Quantity						6.000 no
	Say 6.000 no @ Rs 1183.03 / no						Rs 7098.18
9	od69740/2019_2020 SITC of weather proof pillar light fittings with 9W LED lamp, IP65 for outdoor purpose pre wired and complete with all other accessories as required.						
		12					12.000
	Total Quantity						12.000 no
	Total Deducted Quantity						0.000 no
	Net Total Quantity						12.000 no
	Say 12.000 no @ Rs 1403.65 / no						Rs 16843.80
10	od69741/2019_2020 SITC of 20/25W LED Surface mounting down light, working on 230V, 50Hz AC, complete with all other accessories as required.						
		2					2.000
	Total Quantity						2.000 no
	Total Deducted Quantity						0.000 no
	Net Total Quantity						2.000 no
	Say 2.000 no @ Rs 2425.28 / no						Rs 4850.56
11	od69742/2019_2020 SITC of 3W LED Recessed Spot light pre wired, working on 230V, 50Hz AC, complete with all other accessories as required.						
		4					4.000

		Total Quantity					4.000 no	
		Total Deducted Quantity					0.000 no	
		Net Total Quantity					4.000 no	
		Say 4.000 no @ Rs 503.86 / no					Rs 2015.44	
12	od69726/2019_2020 Supply, installation, testing and commissioning of 5W LED wall light working on 230V, 50 Hz AC, including giving connections as required.							
		2					2.000	
		Total Quantity					2.000 each	
		Total Deducted Quantity					0.000 each	
		Net Total Quantity					2.000 each	
		Say 2.000 each @ Rs 325.21 / each					Rs 650.42	
13	1.14.2 Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required 2X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire							
		1	15.000				15.000	
		Total Quantity					15.000 metre	
		Total Deducted Quantity					0.000 metre	
		Net Total Quantity					15.000 metre	
		Say 15.000 metre @ Rs 188.96 / metre					Rs 2834.40	
14	9.1.33 Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required. 4 X 16 sq. mm (28mm)							
		2					2.000	
		Total Quantity					2.000 set	
		Total Deducted Quantity					0.000 set	
		Net Total Quantity					2.000 set	
		Say 2.000 set @ Rs 351.72 / set					Rs 703.44	
15	1.24.1 Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. 5/6 amps switch							
		2					2.000	
		Total Quantity					2.000 each	
		Total Deducted Quantity					0.000 each	

		Net Total Quantity					2.000	each
		Say 2.000 each @ Rs 115.86 / each					Rs 231.72	
16	1.24.3	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.15/16 amp switch						
		1					1.000	
		Total Quantity					1.000	each
		Total Deducted Quantity					0.000	each
		Net Total Quantity					1.000	each
		Say 1.000 each @ Rs 157.24 / each					Rs 157.24	
17	1.24.4	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.3 pin 5/6 amp socket outlet						
		2					2.000	
		Total Quantity					2.000	each
		Total Deducted Quantity					0.000	each
		Net Total Quantity					2.000	each
		Say 2.000 each @ Rs 111.72 / each					Rs 223.44	
18	1.24.5	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.6 pin 15/16 amp socket outlet						
		1					0.000	
		Total Quantity					0.000	each
		Total Deducted Quantity					0.000	each
		Net Total Quantity					0.000	each
		Say 0.000 each @ Rs 211.03 / each					Rs 0.00	
19	1.27.2	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.3 Module (100mmX75mm)						
		1					1.000	
		Total Quantity					1.000	each
		Total Deducted Quantity					0.000	each
		Net Total Quantity					1.000	each
		Say 1.000 each @ Rs 255.17 / each					Rs 255.17	
20	1.27.4	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular						

	switches in recess etc as required.6 Module (200mmX75mm)						
		1					1.000
	Total Quantity						1.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						1.000 each
	Say 1.000 each @ Rs 355.86 / each						Rs 355.86
21	<p>90.2.1.6 Supply and wiring points according to IS 732-1989 using rigid PVC conduit of minimum size 20 mm with specials conforming to IS 9537 part III 1983 and with suitable size specials conforming to IS 3419-1988, fixing the conduit using metal saddles spacing not exceeding 50 cm or concealed suitably and with 1.00 sq mm FRLS PVC insulated stranded single core copper conductor cable 650V grade, including providing switch board main and continuous earthing with No.14 SWG bare copper,required quantity of copper earth socket, brass bolt and nut crimping/ soldering etc complete with suitable size modular type metal switch boxes, modular type front plates (white) etc. up to and including 6A modular type SP switches and making good the surface of wall, colour washing etc. complete. All the terminations in the switch boards and DB's shall be tinned and the wires shall be drawn and fixed along the periphery of the box using suitable ties, tie mounts etc as required. (RoHS compliant modular accessories).Combined plug point with 6 A, 5 pin plug socket controlled by 6 A, switch in the same switch board as that of light points</p>						
		1	2.000				2.000
	Total Quantity						2.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						2.000 each
	Say 2.000 each @ Rs 439.27 / each						Rs 878.54
22	<p>90.11.1.10 Supply and installation of sheet steel, phosphatised and painted, dust and vermin proof enclosure of MCB DB including copper /brass bus bar, neutral link, earth bus and DIN rail suitable for fixing MCB/ isolator etc. fixed on wall using suitable anchor bolts or fixed in recess including cutting hole on the wall , making good the damages, colour washing etc. as required4 way (8+12) - three phase double cover (IP 42/43)</p>						
		1					1.000
	Total Quantity						1.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						1.000 each
	Say 1.000 each @ Rs 2768.72 / each						Rs 2768.72
23	<p>5.2 Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providingmasonry enclosure with cover plate having locking arrangement and watering pipe etc. withcharcoal/ coke and salt as required</p>						

		1					1.000	
	Total Quantity						1.000 set	
	Total Deducted Quantity						0.000 set	
	Net Total Quantity						1.000 set	
	Say 1.000 set @ Rs 5064.79 / set						Rs 5064.79	
24	7.1.1 Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade offollowing size direct in ground including excavation, sand cushioning, protective covering andrefilling the trench etc as required.Upto 35 sq. mm							
		1	40.000				40.000	
	Total Quantity						40.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						40.000 metre	
	Say 40.000 metre @ Rs 284.14 / metre						Rs 11365.60	
25	7.5.1 Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade offollowing size in the existing RCC/ HUME/ METAL pipe as required.Upto 35 sq. mm							
		1	48.000				48.000	
	Total Quantity						48.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						48.000 metre	
	Say 48.000 metre @ Rs 24.83 / metre						Rs 1191.84	
26	od21355/2019_2020 Supplying and laying 8 SWG Cu wire at 0.50 metre below ground level for conductor earth electrode, including connection/ termination with GI thimble etc. as required.							
		1	30.000				30.000	
	Total Quantity						30.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						30.000 metre	
	Say 30.000 metre @ Rs 105.21 / metre						Rs 3156.30	
27	7.7.1 Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KVgrade of following size on wall surface as required.Upto 35 sq. mm (clamped with 1mm thick saddle)							
		1	20.000				20.000	
	Total Quantity						20.000 metre	

							Total Deducted Quantity	0.000 metre
							Net Total Quantity	20.000 metre
							Say 20.000 metre @ Rs 34.48 / metre	Rs 689.60
28	14.14.2	Providing, laying and fixing following dia RCC pipe NP2 class (light duty) in ground complete with RCC collars, jointing with cement mortar 1:2 (1 cement : 2 fine sand) including trenching (75 cm deep) and refilling etc as required.150 mm dia						
		1	24.000				24.000	
							Total Quantity	24.000 metre
							Total Deducted Quantity	0.000 metre
							Net Total Quantity	24.000 metre
							Say 24.000 metre @ Rs 558.62 / metre	Rs 13406.88
29	1.21.1	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/ recess including cutting the wall and making good the same in case of recessed conduit as required.20 mm						
		1	120.000				120.000	
							Total Quantity	120.000 metre
							Total Deducted Quantity	0.000 metre
							Net Total Quantity	120.000 metre
							Say 120.000 metre @ Rs 78.62 / metre	Rs 9434.40
30	od21309/2019_2020	Supply, installing, testing and commissioning of Fire Extinguisher dry chemical powder type ISI mark, 5 kg capacity with initial charger and installation brackets.Make - Safex / Warrior / Intime						
		2					2.000	
							Total Quantity	2.000 each
							Total Deducted Quantity	0.000 each
							Net Total Quantity	2.000 each
							Say 2.000 each @ Rs 2208.07 / each	Rs 4416.14
SI No	Description	No	L	B	D	CF	Quantity	Remark
7 COMPOUND WALL								
1	2.6.1	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means 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 up to 50 m and lift up to 1.5 m, disposed earth to be levelled and neatly dressed.All kinds of soil						
Earth work in excavation								

	Earth work in excavation	1	25.200				25.200	
	Total Quantity						25.200 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						25.200 cum	
	Say 25.200 cum @ Rs 173.72 / cum						Rs 4377.74	
2	4.1.8 Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 nominal size)							
		1	3.600				3.600	
	Total Quantity						3.600 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						3.600 cum	
	Say 3.600 cum @ Rs 6176.71 / cum						Rs 22236.16	
3	4.3.1 Centering and shuttering including strutting, propping etc. and removal of form work for:Foundations, footings, bases for columns							
		1	4.000				4.000	
	Total Quantity						4.000 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						4.000 sqm	
	Say 4.000 sqm @ Rs 267.52 / sqm						Rs 1070.08	
4	2.25 Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m.							
		1	7.200				7.200	
	Total Quantity						7.200 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						7.200 cum	
	Say 7.200 cum @ Rs 173.45 / cum						Rs 1248.84	
5	4.1.2 Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:1/2:3 (cement : 11/2 coarse sand : 3 graded stone aggregate 20 mm nominal size)							

cement concrete							
	cement concrete	1	1.200				1.200
	Total Quantity						1.200 cum
	Total Deducted Quantity						0.000 cum
	Net Total Quantity						1.200 cum
	Say 1.200 cum @ Rs 8171.87 / cum						Rs 9806.24
6	7.1.1 Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) up to plinth level with:Cement mortar 1:6 (1 cement : 6 coarse sand)						
		1	112.000				112.000
	Total Quantity						112.000 cum
	Total Deducted Quantity						0.000 cum
	Net Total Quantity						112.000 cum
	Say 112.000 cum @ Rs 5470.10 / cum						Rs 612651.20
7	50.6.1.8 Solid block masonry using pre cast solid blocks (Factory made) of size 40x20x15cm or nearest available size confirming to IS 2185 part I of 1979 for super structure up to floor two level with thickness 15cm in: CM 1:6 (1 cement : 6 coarse sand etc complete						
	Solid block masonry						
	Solid block masonry	1	7.860				7.860
	Total Quantity						7.860 cum
	Total Deducted Quantity						0.000 cum
	Net Total Quantity						7.860 cum
	Say 7.860 cum @ Rs 5868.04 / cum						Rs 46122.79
8	13.4.2 12 mm cement plaster of mix:1:6 (1 cement : 6 coarse sand)						
	12 mm cement plaster						
	12 mm cement plaster	1	79.010				79.010
	Total Quantity						79.010 sqm
	Total Deducted Quantity						0.000 sqm
	Net Total Quantity						79.010 sqm
	Say 79.010 sqm @ Rs 232.07 / sqm						Rs 18335.85
9	13.43.1 Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface:Water thinnable cement primer						

	cement primer							
	cement primer	1	79.010				79.010	
	Total Quantity						79.010 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						79.010 sqm	
	Say 79.010 sqm @ Rs 50.97 / sqm						Rs 4027.14	
10	13.82.2 Wall painting with acrylic emulsion paint, having VOC (Volatile Organic Compound) content less than 50 grams/ litre, of approved brand and manufacture including applying additional coats wherever required, to achieve even shade and colour.Two coats							
	acrylic emulsion paint							
	acrylic emulsion paint	1	79.010				79.010	
	Total Quantity						79.010 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						79.010 sqm	
	Say 79.010 sqm @ Rs 101.93 / sqm						Rs 8053.49	
11	10.16.1 Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.Hot finished welded type tubes							
	Steel work in built up tubular							
	Steel work in built up tubular	1	148.000				148.000	
	Total Quantity						148.000 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						148.000 kg	
	Say 148.000 kg @ Rs 124.48 / kg						Rs 18423.04	
12	13.84.2 Painting with synthetic enamel paint, having VOC (Volatile Organic Compound) content less than 150 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour.Two coats							
	synthetic enamel paint,							
	synthetic enamel paint,	1	8.060				8.061	
	Total Quantity						8.061 sqm	
	Total Deducted Quantity						0.000 sqm	

	Net Total Quantity						8.061 sqm		
	Say 8.061 sqm @ Rs 103.52 / sqm						Rs 834.47		
13	od21321/2019_2020 Supply and install externally 1st quality 30x15x0.8cm brick pattern ceramic tile for walls cladding, tile shall be laid and fixed to pre plastered walls in patterns, style and forms of grouting and jointing as directed by engineer using approved tile adhesive materials and pointed with approved tile joint filler matching the colour of tiles.								
		1	16.900				16.900		
	Total Quantity						16.900 sqm		
	Total Deducted Quantity						0.000 sqm		
	Net Total Quantity						16.900 sqm		
	Say 16.900 sqm @ Rs 1422.08 / sqm						Rs 24033.15		
SI No	Description	No	L	B	D	CF	Quantity	Remark	
8 MAIN BUILDING 1 HVAC SYSTEM									
1	od24683/2019_2020 Supply and installation of Refrigerant Copper piping insulated with Nitrile Rubber Tubular insulation with 13/19mm thickness.								
		1	433.000				433.000		
	Total Quantity						433.000 each		
	Total Deducted Quantity						0.000 each		
	Net Total Quantity						433.000 each		
	Say 433.000 each @ Rs 1733.00 / each						Rs 750389.00		
2	od21285/2019_2020 Supply, installation , testing and commissioning of exhaust fans of size up to 8 Inch(Round type) in the existing opening, fixing necessary anchor bolts / bolt and nuts etc., as required including giving connections with the supplied wire along with the exhaust fan. 300/305 mm sweep Light Duty Exhaust fan in metal frame working on 230 V A/C								
	Ground Floor	2					2.000		
	First Floor	2					2.000		
	Total Quantity						4.000 no		
	Total Deducted Quantity						0.000 no		
	Net Total Quantity						4.000 no		
	Say 4.000 no @ Rs 3381.41 / no						Rs 13525.64		
3	od24689/2019_2020 Supply ,installation,testing and commissioning of Modular type outdoor units equipped with minimum 2 Nos of highly efficient DC twin Rotary compressors with all inverter type compressor(s) only,special acryl pre-coated heat exchanger,low noise condenser fan,auto check function for connection error,auto								

	address setting,with multiple outdoor units of capacities and quantities as mentioned below.Refrigerant Should be R410A .(4-6 HP)						
		1					1.000
	Total Quantity						1.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						1.000 each
	Say 1.000 each @ Rs 140362.00 / each						Rs 140362.00
4	od24693/2019_2020 Supply,installation,testing and commissioning of High-Wall indoor units with compact cooling coil,electronic expansion valve and multi speed fan motor,The blower shall be dynamicaly balanced and designed for silent operation ,the filters shall be washable type .Drain Pump is a part of the indoor unit.(2 TR), Make :- Carrier / ISI Equivalent.						
	For seminar hall	4					4.000
	Total Quantity						4.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						4.000 each
	Say 4.000 each @ Rs 35468.00 / each						Rs 141872.00
5	od21301/2019_2020 Supplying & providing 2.00 TR Split A/C with high wall mounted unit. Carrier/Hitachi/Voltas/Blue Star.[Mini 5 Star rating]Copper Condensor Only						
	Split A/C for Principal Room	1					1.000
	Total Quantity						1.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						1.000 each
	Say 1.000 each @ Rs 56305.00 / each						Rs 56305.00
6	16.12.2.1 Supply, Installation, balancing and commissioning of fabricated at site GSS sheet metal rectangular / round ducting complete with neoprene rubber gaskets, elbows, splitter dampers, vanes, hangers, supports, etc as per approved drawings and specifications of following sheet thickness complete as required.Site fabricated GSS sheet metal rectangular ducting as per IS 655-2006 for 0.63 mm thick						
	Ground Floor	25					25.000
	First Floor	25					25.000
	Total Quantity						50.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						50.000 metre

	Say 50.000 metre @ Rs 868.96 / metre						Rs 43448.00	
7	16.16.a Supplying and Fixing of powder coated extruded aluminium Return Air Grills with louvers but without volume control dampers complete as required.							
	For Ground Floor (19 No. Grills)	28					28.000	
	First Floor (16 No)	24					24.000	
	Total Quantity						52.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						52.000 metre	
	Say 52.000 metre @ Rs 5606.85 / metre						Rs 291556.20	
SI No	Description	No	L	B	D	CF	Quantity	Remark
9 MAIN BUILDING FURNITURE								
1	od21270/2019_2020 Supply, deliver and place trademark registered branded (JALARAM make JED 1512) or approved equivalent Executive Desk with side unit and credenza. Desktop mounted on SS tubular legs and specially designed pedestal storage with utility spaces inspired by your needs. Size: (A) Main Desk : W-2000 x D-900 x H-750 mm (B) Side Unit : W-1050 x D-500 x H-750mm (C) Credenza : W-2000 x D-400 x H-1190mm							
	principal room	1					1.000	
	Total Quantity						1.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						1.000 each	
	Say 1.000 each @ Rs 181867.08 / each						Rs 181867.08	
2	od21272/2019_2020 Supply, deliver and place registered branded (JALARAM Make-JEC 2017(D)) or approved equivalent Executive High Back Revolving Chair, Tested by approved BIFMA standard laboratories confirming to ANSI/BIFMA X 5.1- 2002 Cl. No. 5,7,8,12,13,17 on functional requirement. Leatherette Finish, High quality mould foam cushion, Die-Cast Aluminium with buffing pedestal, 5 Position locking system with swivel mechanism, Chrome Finished Armrest, Anti-Shock and Synchro Tilt Mechanism , Adjustable cozy armrest , Overall Size (approx) :-H: 117.0 - 126.5 x W:75 x D:75 (cm) ,Seat Height:- 44-54 (cm) Front Pivot Synchro Mechanism: This mechanism helps you experience the effect of your body angle opening out, for maximum relaxation, while your feet remain firmly on the ground. 5-Position Locking: The backrest can be locked in 5 different positions, giving you firm support for concentrated work. Its anti-shock mechanism prevents the backrest from impacting the user when the lock is released. Moulded Foam: The seat and the backrest are made up of moulded polyurethane foam of the right density and thickness, which not only gives you a soft feeling on first contact but also provides a firm support to ensure hours of comfortable seating, Swivel Mechanism: The swivel mechanism allows for a complete 3600 lateral movement. This prevents you from straining over your shoulders and back to reach out for papers and phones kept on either side of your table, ensuring mobility while working. Twin Wheel							

	Castors: The twin wheel castors facilitates ease of movement.							
	principal room	1					1.000	
	v p room	1					1.000	
	superintendent room	1					1.000	
	Total Quantity						3.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						3.000 each	
	Say 3.000 each @ Rs 23987.93 / each						Rs 71963.79	
3	od21276/2019_2020 Supply, deliver and place registered branded (JALARAM Make-JEC 2017(F)) or approved equivalent Executive Visitor Chair, Tested by approved BIFMA standard laboratories confirming to ANSI/BIFMA X 5.1- 2002 Cl. No. 5,7,8,12,13,17 on functional requirement. With Leatherette Finish Moulded Foam: The seat and the backrest are made up of moulded polyurethane foam of the right density and thickness.							
	principal room	4					4.000	
	vp room	2					2.000	
	superintendent room	2					2.000	
	cash	1					1.000	
	library	2					2.000	
	Total Quantity						11.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						11.000 each	
	Say 11.000 each @ Rs 17498.69 / each						Rs 192485.59	
4	od21278/2019_2020 Supply, deliver and place trademark registered branded (JALARAM make- JSF 102 A) or approved equivalent JALARAM Multipurpose storage cabinet with 2 adjustable shelves and 1 full locker. Overall size: H-1980 x W-915 x D-485(mm) (H-78"xW-36"x D-19") Material Specifications: The raw material used in cupboard will be PRIME quality CRCA as per IS 513 (1994,1998) 'D' grade. OEM must enclose Proof of purchase of steel from SAIL/Tata Steel/Essar/ Jindal. The cupboard should have welded construction with MIG welding process. The material used for constructing the cupboard should be prime quality Cold Rolled Close Annealed (CRCA) Steel (for doors and shelves 1.0 mm & other parts as per functional requirements) The doors provided will be full height steel hinged doors The handle provided will be matching, easy to grip, sleek and elegant. The Cupboard will have a 3 way locking Mechanism Minimum 6 levers (With duplicate keys) mechanism with shooting bolt arrangement. Shelving: The shelving will be Height wise Adjustable and Shelf Mounting. The Uniformly Distributed Load (UDL) Capacity per each full shelf will be 40 Kg at least. The cupboard will have 2 numbers of adjustable and 1 fixed full shelves with 1 full locker. All steel parts will be epoxy polyester powder coated to the thickness not less than 50 microns finish after 10 tank anti-rust.							
	principal room	2					2.000	

	vp room	1					1.000	
	superintendent room	1					1.000	
	staff room	3					3.000	
	library	2					2.000	
	Total Quantity						9.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						9.000 each	
	Say 9.000 each @ Rs 17439.92 / each						Rs 156959.28	
5	od21286/2019_2020 Supply, deliver and place Trademark registered branded (JALARAM make-JED 200) or approved equivalent Chief Executive Suite with PU coated 36 mm post formed top, Executive Return Unit & 3 Drawer Pedestal Unit, Size of the main Table: W-250 x D-110 x H-75 cm, Size of the Pedestal for Main Table: W-42.5 x D-80 cm, Size of Return Unit: W-127.5 x D-58 cm, Size of the Pedestal for Return Unit: W-42.5x D-58 cm							
	v p room	1					1.000	
	Total Quantity						1.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						1.000 each	
	Say 1.000 each @ Rs 144889.23 / each						Rs 144889.23	
6	od21290/2019_2020 Supply, deliver and place registered branded (JALARAM make JED 220) or approved equivalent Executive Desk elegant looking main desk with mobile pedestal and return unit. A real beauty of the blend of wood and steel. Main Desk Size: W-180 x D-90 x H-75 (cm) Joining Top (Black Finish) Size: W-105 x D-120 (cm) Fixed Side Return Desk Size :W-120 x D-60 x H-72(cm) Mobile Pedestal Size: W-40.5 x D-57 x H-50(cm).							
	superintendent room	1					1.000	
	Total Quantity						1.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						1.000 each	
	Say 1.000 each @ Rs 73560.64 / each						Rs 73560.64	
7	od21292/2019_2020 Supply, deliver and place Trademark registered branded (JALARAM Make-JSS 908) or approved equivalent Sofa Set Overall Size of 3 seater: H-762 x W-2134 x D-812 mm							
	waiting area	5					5.000	
	Total Quantity						5.000 each	
	Total Deducted Quantity						0.000 each	

	Net Total Quantity						5.000 each
	Say 5.000 each @ Rs 44038.56 / each						Rs 220192.80
8	<p>od21305/2019_2020</p> <p>Supply, deliver and place Trademark registered branded (JALARAM make-JED 204 (A)) or approved equivalent Executive table, both side storage unit of special size. 2 drawers cum filing drawer & a center drawer, mounted on telescopic channel. Overall Size of curvica top: W-180 x D-90 cm ,Height of table 72.5 (cm) Material Specification: Two pedestals having 2 box drawers and 1 filing drawer with independent locking arrangement (cam lock) for each pedestal. Drawers shall have a clear depth of > 400 mm. One center drawer having ~ 350 mm clear depth with independent locking arrangement. The top should be made of 25 mm thick Pre&dash; laminated board(PLB) of TESA with 2 mm thick matching lipping. Under Structure: Two pedestals shall be a combination of processed wood (PLB) and Mild Steel (MS). Pedestal shell to be 0.80 mm thick MS sheet. Drawer tray to be made from 0.6 mm thick M.S sheet. Drawer separator to be made from 0.6 mm thick M.S. sheet. PLB drawer fronts (18 mm thick PLB) to match the top colour. Drawers to be mounted on double extension steel telescopic ball slides to give full access to the drawer. Sleek handles for easy grip. Glides screws for leveling.Stiffeners (1.6 mm thick) is to be provided under the top to give additional strength. Powder coating: Powder coating on all items with dry film thickness not less than 50 microns, Salt Spray test to withstand more than 1000 hours, Pencil scratch hardness more than 2H, Adhesion as per DIN 53152 Standards. The powder coating shall be of good quality (7 process) to ensure good adhesion of life of the coating. Modesty: Shall be made from 1.0 mm thick MS. Panel recessed inside for more leg room. Panel to be styled with cut&dash;outs (windows) for better physical appearance.</p>						
	staff room	13					13.000
	cash	1					1.000
	Total Quantity						14.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						14.000 each
	Say 14.000 each @ Rs 25220.30 / each						Rs 353084.20
9	<p>od21307/2019_2020</p> <p>Supply, deliver and place registered branded (JALARAM make JSF 115(6) E) or approved equivalent slotted angle rack (Open type) Overall size: H-78" X W-36" X D-18" Angle: 40 x 40 x 2 mm (4 nos.) Shelves: 36" x 18" (22 swg. 6 nos.) Corner plate: 8 nos. Nuts & bolts: 64 nos. Shoes: 4 nos. The raw material used will be PRIME quality CRCA as per IS 513 (1994,1998) 'D' grade. OEM must enclose Proof of purchase of steel from SAIL/Tata Steel/Essar/ Jindal. Finishing: All steel parts will be epoxy polyester powder coated to the thickness not less than 50 microns finish after 10 tank anti-rust treatment and B grade phosphating</p>						
	For store	10					10.000
	Total Quantity						10.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						10.000 each
	Say 10.000 each @ Rs 4964.95 / each						Rs 49649.50

10	od21317/2019_2020 Supply, deliver and place of Trademark registered branded (JALARAM make- JMPT 4A) or approved equivalent Table for with 25 mm top, square tubular frame. Overall size: W-151 x D-90 x H-75(cm) Material Description: Main top 25mm thick wood based high quality Pre-laminated Particle Board(PLB) of TESA with 2mm PVC edge band by hot melt glue process for beading all over edge. Top frame of 1.21mm thick. (18swg) CRAC sheet IS 513. Table frame structure made up of prime quality MS ERW square tube 25x25mm of 18swg. Good quality PVC Shoes. All steel parts should be epoxy polyester powder coated to the thickness not less than 50 microns finish after 10 tank anti-rust treatment and B grade phosphating.						
	class room	13					13.000
	GI room	3					3.000
	Total Quantity						16.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						16.000 each
	Say 16.000 each @ Rs 8239.56 / each						Rs 131832.96
11	od21318/2019_2020 Supply, deliver and place Trademark registered branded (JALARAM Make JEC 501(C))/Equivalent Executive Visitor Net Chair, Overall Size (approx): H-98 x W-58 x D-63.5 (cm) Seat Height: 48 (cm) Frame structure: Backrest made of Mesh and Seat from hot mould plywood of minimum 12 mm thickness of ergonomic design to avoid back pain. Chrome-plated Arm & Frame 'Tapestry: Minimum average weight required 400 to 490 gms per sq. mtr. Tapestry will be tested quality such as stain test, ultra violet test, glue test and color fastening with average weight of 450 grams per square meter Cushioning: PU foam having density of 50 kgs/m3 for seat. Average thickness of foam not less than 50 mm + 10 mm Polly foam. Arm rest material: Polyurethane on Chrome Shoes: Nylon Rubber						
	Class room	13					13.000
	gi cabin	3					3.000
	staff room	13					13.000
	ws	3					3.000
	Total Quantity						32.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						32.000 each
	Say 32.000 each @ Rs 13014.61 / each						Rs 416467.52
12	od21326/2019_2020 Supply deliver and place Trademark registered branded (JALARAM Make-JSD 601(D))/equivalent Two Seater Desk Cum Bench fitted on tubular frame with perforated seat and back for Senior Students. Overall size : H-760 x W-1040 x D-1000 (mm) Seat Height: 460 mm Desk Top (Curvica) of 25 mm thick wood based high quality branded (TESA) post formed Pre-laminated Particle Board (PLB)with 0.6mm laminated with 2mm PVC beading by hot melt glue process all over 4 edges. Bench Main frame tube & Support tube of 32mm, 16swg ERW round tube. Seat & Back						

	frame tube of 19mm, 16swg ERW round tube. Seat & Back support of 25x25x1.6mm (16swg) thick. square ERW tube. Seat & Back of 18swg. Perforated CRCA sheet IS 513. Storage Bucket of 18swg. Perforated CRCA sheet IS 513. Good quality PVC shoes & cap. All steel parts will be epoxy polyester powder coated to the thickness not less than 50 microns finish after 10 tank anti-rust treatment and B grade phosphating.						
	class room	10	15.000				150.000
	w/s	3	15.000				45.000
	Total Quantity						195.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						195.000 each
	Say 195.000 each @ Rs 8935.65 / each						Rs 1742451.75
13	od21328/2019_2020 Supply and install Jasos brand JC-S 03 Model or approved equivalent auditorium seating chair comprise of seat and back frames made with CR pipes, Back cover with PPCP tray, Up holstory PU molded form of density 52-58 kg/m3, Mechanisms as legs made of CR pipes with PU cup holder arm rest,push back mechanism - box and Nylon cast metal rollers, with spring, height of chair 97cm - 100cm @52cm centre to centre, 90x8mm with chemical bonding method, All seat and back frames with enamel painting, Legs - powder coated, Mechanism- Laqor paint finished.						
	seminar hall	200					200.000
	Total Quantity						200.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						200.000 each
	Say 200.000 each @ Rs 4858.58 / each						Rs 971716.00
14	od21331/2019_2020 Supply deliver and place trademark registered branded (JALARAM make JMDX 70) OR Equivalent Library reading cubical with top partition (Double side main unit + Add on unit) Overall size: 1800W x 1200D x 760H mm Top partition: 1750W x 18D x 250H mm Material Description: • Main top of 18mm thick. Wood based high quality Pre-laminated particle board (PLB) of TESA with 2 mm PVC beading all over edges. • Top partition & side partition of 18mm thick. Pre-laminated particle board (PLB) of TESA with 0.5mm PVC beading all over edges fitted with U bracket. • Vertical pillar of 1.2mm thick. (18swg) CRCA sheet IS 513. • Cable cover of 0.9mm thick. (20swg) CRCA sheet IS 513. • Leg frame & footrest of 50x25x1.2mm thick. (18swg) ERW rectangular MS tube (CRC). • Good quality adjustable stud . • All steel parts should be epoxy polyester powder coated to the thickness not less than 50 microns finish after 10 tank anti-rust treatment and B grade phosphating (in house) & same will be demonstrated to the purchaser during pre-dispatch Inspection.						
	library	4					4.000
	Total Quantity						4.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						4.000 each

	Say 4.000 each @ Rs 24829.85 / each						Rs 99319.40	
15	od21334/2019_2020 Supply, deliver and place trademark registered branded (JALARAM make JSF 125(D)) OR Equivalent multipurpose expandable storage rack (Double Faced main Unit + Add on unit) in knock down design with 5 shelves making 6 compartments. Overall size: H-1980 x W-915 x D-535 mm • All steel parts will be epoxy polyester powder coated to the thickness not less than 50 microns finish after 10 tank anti-rust treatment and B grade phosphating (in house) & same will be demonstrated to the purchaser during pre-dispatch Inspection.							
	library	5					5.000	
	Total Quantity						5.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						5.000 each	
	Say 5.000 each @ Rs 32987.65 / each						Rs 164938.25	
16	od21337/2019_2020 Supply, deliver and place trademark registered branded (JALARAM make JSF 125(S)) OR Equivalent multipurpose expandable storage rack (Single faced main unit + Add on Unit) in knock down design with 5 shelves making 6 compartments. Overall size: H-1980 x W-915 x D-380 mm Material Specifications: • All steel parts will be epoxy polyester powder coated to the thickness not less than 50 microns finish after 10 tank anti-rust treatment and B grade phosphating (in house) & same will be demonstrated to the purchaser during pre-dispatch Inspection.							
	library	5					5.000	
	Total Quantity						5.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						5.000 each	
	Say 5.000 each @ Rs 22366.54 / each						Rs 111832.70	
17	od21341/2019_2020 Supply, deliver and place trademark registered branded (JALARAM Make-JEC 325 (C)) or approved equivalent Executive Low Back Revolving Chair, Tested by approved BIFMA standard laboratories confirming to ANSI/BIFMAX 5.1- 2002 Cl. No. 5,7,8,12,13,17 on functional requirement, advanced synchro til mechanism, back rest height adjustment, 3-D wrap around design, tilt lock mechanism, self regulating tilt tension adjustment, seat depth adjustment, high quality moulded foam, pneumatic height adjustment.Overall Size (approx): H:87-104 x W:70 x D:70(cm) Seat height : 44 to 54 (cm) Frame structure: Seat & back from hot mould plywood of minimum 12 mm thickness of ergonomic design . Seat Height adjustment and ergonomics: With Pneumatic gas lift with 300 N force Stroke length of 12.5 cm. Seat height will be adjustable and optimum Height is 44-54 cm . Under structure facility: Revolving, Tilting and Lateral smooth movement on twin wheel castors fixed on five pronged wide base of 65 cm to 75 cm D. 'Tapestry Minimum average weight required 400 to 490 gms per sq. mtr. Tapestry : Tapestry should be tested quality such as stain test, ultra violet test, glue test and color fastening with average weight of 450 grams per square meter. (All the stitches of seat and back boarder should be covered by plastic beading of black cover for elegant look. Cushioning: PU foam having density of 40 kg for back and 50 kgs/m3 for seat. Average thickness of foam not less than 50 mm + 10 mm Polly foam. Base: Tested High							

	quality virgin material.Arm rest material: single piece round soft virgin quality PU handle reinforced with built steel rib.							
	library	30					30.000	
	Total Quantity						30.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						30.000 each	
	Say 30.000 each @ Rs 13339.92 / each						Rs 400197.60	
18	<p>od21347/2019_2020</p> <p>Supply, deliver and place registered branded (JALARAM make-JDT-706 A) or approved equivalent canteen table for 6 persons Overall Size of the table:L-1600 x W-800 x H-750 mm Material Description: Main top of 30mm thick. Post formed MDF top with 0.6mm lamination & longer edges both side post forming (curvica) & other both side PVC edge band by hot melt glue process for beading with matching colour. Top frame of 25x25x1.2mm (18swg) SS 304 grade square tube. Main vertical legs of 60 to 65mm x 1.6mm (16swg) thick. SS 304 or SS 202 grade round tube. Leg support & Footrest of 30mm x 1.6mm (16swg) thick. SS 304 or SS 202 grade round table. Good quality PVC adjustable stud at table. All SS parts with glossy buffing.Trademark registered branded (JALARAM make) canteen chair. Overall Size of the chair: H-900mm Seat Dia:400mm Seat Height:450mm Material Description: Chair frame of OD-19mm x 16swg SS 304 grade pipe with glossy buffing. Back support of OD-12mm tube SS 304 grade with Glossy buffing. Seat top (400mm Round) of 19mm thick. Wooden (Rubber wood) with melamine coated. Good quality PVC shoes at bottom , All SS parts with glossy buffing.</p>							
	staff room	2					2.000	
	Total Quantity						2.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						2.000 each	
	Say 2.000 each @ Rs 40344.40 / each						Rs 80688.80	
SI No	Description	No	L	B	D	CF	Quantity	Remark
10 MAIN BUILDING - ELV WORKS								
1	<p>od23586/2019_2020</p> <p>Supply, installation, testing and commissioning of Bio Metric Finger Print scan attendance system with LCD/LED display & keypad & TCPIP LAN, USB Connectivity along with Attendance monitoring & report software (Web based Terminal)</p>							
		4					4.000	
	Total Quantity						4.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						4.000 no	
	Say 4.000 no @ Rs 7600.00 / no						Rs 30400.00	
2	<p>od23595/2019_2020</p> <p>Supply, installation, testing and commissioning of Cat6 I/O for Patch Panel Shuttered.</p>							

		96					96.000	
	Total Quantity						96.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						96.000 no	
	Say 96.000 no @ Rs 220.00 / no						Rs 21120.00	
3	od23599/2019_2020 Supply Installation testing and Commissioning of 10/100/1000 Mbps 16 Port Network Switch to provide networks and internet on class room etc.							
		4					4.000	
	Total Quantity						4.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						4.000 no	
	Say 4.000 no @ Rs 6250.00 / no						Rs 25000.00	
4	od21281/2019_2020 Supply, Installation, testing and commissioning of Cat6 24 Port un loaded Patch Panel.							
		2					2.000	
		2					2.000	
	Total Quantity						4.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						4.000 no	
	Say 4.000 no @ Rs 1888.00 / no						Rs 7552.00	
5	od23604/2019_2020 Supply and drawing of CAT6 4 pair cable including all necessary connector.							
		1	3440.000				3440.000	
	Total Quantity						3440.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						3440.000 metre	
	Say 3440.000 metre @ Rs 39.00 / metre						Rs 134160.00	
6	od23606/2019_2020 Supply, installation, testing and commissioning of wall mounted 15Ux600Wx600D With Front Glass Door With Lock & Key,Side Openable Panels with Lock & Key,6Way 5A PDU,1U Cable Manager,Cooling Fan,H/W Kit10							
		4					4.000	
	Total Quantity						4.000 no	
	Total Deducted Quantity						0.000 no	

							Net Total Quantity	4.000 no
							Say 4.000 no @ Rs 8625.00 / no	Rs 34500.00
7	od23612/2019_2020 Network Video Recorder: Providing & fixing Network Video Recorder 32-channel 720P or 24-channel 1080P high definition network video input and storage Support simultaneous HDMI and VGA output, resolution up to 1920x1080P/60Hz Supports 256Mbps bandwidth throughput handling, Supports 4-channe, 1080P video real-time decoding and synchronous playback Supports 8 SATA hard disk with capacity up to 4TB.							
		1						1.000
							Total Quantity	1.000 no
							Total Deducted Quantity	0.000 no
							Net Total Quantity	1.000 no
							Say 1.000 no @ Rs 50200.00 / no	Rs 50200.00
8	od23878/2019_2020 Supply, installation, testing and commissioning of Outdoor IR IP bullet camera 2 MP 2.1mm/4mm/6mm focal length lens capable to 1.0 lux sensitivity,with IR 480TV lines.							
		8						8.000
							Total Quantity	8.000 no
							Total Deducted Quantity	0.000 no
							Net Total Quantity	8.000 no
							Say 8.000 no @ Rs 10263.00 / no	Rs 82104.00
9	od23880/2019_2020 Supply, installation, testing and commissioning of indoor IR IP dome camera 2 MP 2.1mm/4mm/6mm focal length lens capable to 1.0 lux sensitivity, with IR n 480 TV lines.							
		40						40.000
							Total Quantity	40.000 no
							Total Deducted Quantity	0.000 no
							Net Total Quantity	40.000 no
							Say 40.000 no @ Rs 5945.00 / no	Rs 237800.00
10	od23891/2019_2020 Supply & laying of twin twisted 2x1.5 sqmm Cu flexible wire 1.1 kv grade PVC insulated through PVC conduit.							
		1	580.000					580.000
							Total Quantity	580.000 no
							Total Deducted Quantity	0.000 no
							Net Total Quantity	580.000 no

								Say 580.000 no @ Rs 69.00 / no	Rs 40020.00
11	od23892/2019_2020 Supply, Installation, Testing and commissioning of XLR cables and connectors								
		6							6.000
	Total Quantity								6.000 no
	Total Deducted Quantity								0.000 no
	Net Total Quantity								6.000 no
	Say 6.000 no @ Rs 2025.00 / no								Rs 12150.00
12	od21314/2019_2020 Supply, Installation, Testing and commissioning of Distribution box for PA distribution made out of 16 SWG CRCA sheet with lockable door arrangement having connectors (10 NOS) suitable for 1.5sqmm wire with facility for cable termination of 4cx10 sqmm ALAR. Required at each floor for PA wire termination.								
		1							1.000
	Total Quantity								1.000 no
	Total Deducted Quantity								0.000 no
	Net Total Quantity								1.000 no
	Say 1.000 no @ Rs 979.00 / no								Rs 979.00
13	od23894/2019_2020 SITC Of 350W RMS MIXER AMPLIFIER, 3 MIC, 2 AUX, 100V/70V AND 4OHMS , BALANCED MIC,FREQUENCY RESPONSE (50 HZ-16000HZ),S/N RATIO-MIC1,2,3,4:66DB;AUX 1:80 DB,THD-LESS THAN 1% AT 1 KHZ,1/3 RATED POWER, MUTING FUNCTION-MIC 1 OVERRIDES OTHER INPUT SIGNALS WITH 0-30 DB ATTENUATION,CONTROLS-INDIVIDUAL GAIN CONTROLS, POWER SWITCH;BASS: 10DB AT 100HZ,TREBLE: 10DB AT10000HZ.								
		1							1.000
	Total Quantity								1.000 no
	Total Deducted Quantity								0.000 no
	Net Total Quantity								1.000 no
	Say 1.000 no @ Rs 28325.00 / no								Rs 28325.00
14	od21325/2019_2020 Supply, installation, testing and commissioning of Telephone socket.								
		14							14.000
	Total Quantity								14.000 no
	Total Deducted Quantity								0.000 no
	Net Total Quantity								14.000 no
	Say 14.000 no @ Rs 260.00 / no								Rs 3640.00

15	od23898/2019_2020 Supply,Installation, Testing & commissioning of Telephone of approved makes including all other accessories for connection.							
		14					14.000	
	Total Quantity						14.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						14.000 no	
	Say 14.000 no @ Rs 1130.00 / no						Rs 15820.00	
16	od21332/2019_2020 Supply & Installation of telephone cable 10 pair through PVC conduit.							
		1	60.000				60.000	
	Total Quantity						60.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						60.000 metre	
	Say 60.000 metre @ Rs 78.00 / metre						Rs 4680.00	
17	od21333/2019_2020 Supply & Installation of UG telephone cable jelly filled, 10 pair							
		40					40.000	
		20					20.000	
	Total Quantity						60.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						60.000 metre	
	Say 60.000 metre @ Rs 145.00 / metre						Rs 8700.00	
18	od21340/2019_2020 Supply, installation, testing and commissioning of 20 PAIR BOX WITH KRONE MODULES							
		1					1.000	
	Total Quantity						1.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						1.000 no	
	Say 1.000 no @ Rs 1387.00 / no						Rs 1387.00	
19	od23896/2019_2020 Supply, installation, testing and commissioning of Telephone system: NEC Digital Key Telephone System Model-SL2100 32 Bit Micro Processor Configured as 08 P&T lines 48 Hybrid Ports EXPANDABLE MODEL UP TO 128 PCM/TDM 100 % Non-Blocking Inbuilt Conference,32 party Auto attendant (single channel) CLI based call routing AND ALL STANDARD FEATURES							

		1					1.000	
	Total Quantity						1.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						1.000 no	
	Say 1.000 no @ Rs 200650.00 / no						Rs 200650.00	
20	od21282/2019_2020 Supply, installation, testing and commissioning of LAN socket.							
		24					24.000	
	Total Quantity						24.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						24.000 no	
	Say 24.000 no @ Rs 260.00 / no						Rs 6240.00	
21	od69751/2019_2020 Supply, installation, Testing and commissioning of 19" Flat Screen VGA colour monitor complete with all other accessories as required.							
		2					2.000	
	Total Quantity						2.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						2.000 each	
	Say 2.000 each @ Rs 9287.00 / each						Rs 18574.00	
22	od21283/2019_2020 Supply and installation of GI box for modular switch installation including base plate and front plate 1/2 M							
		38					38.000	
	Total Quantity						38.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						38.000 no	
	Say 38.000 no @ Rs 234.00 / no						Rs 8892.00	
23	od23900/2019_2020 Supply, installation, testing and commissioning of 24 Port 10/100/1000 Mbps PoE Switch.							
		4					4.000	
	Total Quantity						4.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						4.000 no	
	Say 4.000 no @ Rs 26805.00 / no						Rs 107220.00	

24	od23901/2019_2020 Supply, Installation, Testing and commissioning of 6W Wall mount speakers with perforated metal grille with line matching transformer suitable for 4 ohm impedance 200 mm dia LBD 0606/10								
		26					26.000		
	Total Quantity						26.000 no		
	Total Deducted Quantity						0.000 no		
	Net Total Quantity						26.000 no		
	Say 26.000 no @ Rs 1350.00 / no						Rs 35100.00		
25	od21354/2019_2020 Supply and laying of Cat6 outdoor cable including necessary connectors								
		160					160.000		
	Total Quantity						160.000 no		
	Total Deducted Quantity						0.000 no		
	Net Total Quantity						160.000 no		
	Say 160.000 no @ Rs 84.00 / no						Rs 13440.00		
26	od23906/2019_2020 Supply, installation, testing and commissioning of Promethean Board AB2T78 complete with all other accessories. Active inspire software will be complimentary with Promethean board.								
		4					4.000		
	Total Quantity						4.000 no		
	Total Deducted Quantity						0.000 no		
	Net Total Quantity						4.000 no		
	Say 4.000 no @ Rs 34000.00 / no						Rs 136000.00		
27	od23910/2019_2020 Supply, installation, testing, and commissioning of LT Projector and roof mount for LT projector complete with all accessories as required.								
		4					4.000		
	Total Quantity						4.000 set		
	Total Deducted Quantity						0.000 set		
	Net Total Quantity						4.000 set		
	Say 4.000 set @ Rs 24590.00 / set						Rs 98360.00		
SI No	Description	No	L	B	D	CF	Quantity	Remark	
11 NEW SMART CLASSROOM - ELV WORKS									
1	od23604/2019_2020 Supply and drawing of CAT6 4 pair cable including all necessary connector.								

		1	660.000				660.000	
	Total Quantity						660.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						660.000 metre	
	Say 660.000 metre @ Rs 39.00 / metre						Rs 25740.00	
2	od23880/2019_2020 Supply, installation, testing and commissioning of indoor IR IP dome camera 2 MP 2.1mm/4mm/6mm focal length lens capable to 1.0 lux sensitivity, with IR n 480 TV lines.							
		20					20.000	
	Total Quantity						20.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						20.000 no	
	Say 20.000 no @ Rs 5945.00 / no						Rs 118900.00	
3	od23891/2019_2020 Supply & laying of twin twisted 2x1.5 sqmm Cu flexible wire 1.1 kv grade PVC insulated through PVC conduit.							
		1	200.000				200.000	
	Total Quantity						200.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						200.000 no	
	Say 200.000 no @ Rs 69.00 / no						Rs 13800.00	
4	od21282/2019_2020 Supply, installation, testing and commissioning of LAN socket.							
		20					20.000	
	Total Quantity						20.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						20.000 no	
	Say 20.000 no @ Rs 260.00 / no						Rs 5200.00	
5	od21283/2019_2020 Supply and installation of GI box for modular switch installation including base plate and front plate 1/2 M							
		20					20.000	
	Total Quantity						20.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						20.000 no	
	Say 20.000 no @ Rs 234.00 / no						Rs 4680.00	

6	od23586/2019_2020 Supply, installation, testing and commissioning of Bio Metric Finger Print scan attendance system with LCD/LED display & keypad & TCPIP LAN, USB Connectivity along with Attendance monitoring & report software (Web based Terminal)							
		10					10.000	
	Total Quantity						10.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						10.000 no	
	Say 10.000 no @ Rs 7600.00 / no						Rs 76000.00	
7	od23901/2019_2020 Supply, Installation, Testing and commissioning of 6W Wall mount speakers with perforated metal grille with line matching transformer suitable for 4 ohm impedance 200 mm dia LBD 0606/10							
		20					20.000	
	Total Quantity						20.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						20.000 no	
	Say 20.000 no @ Rs 1350.00 / no						Rs 27000.00	
8	od23910/2019_2020 Supply, installation, testing, and commissioning of LT Projector and roof mount for LT projector complete with all accessories as required.							
		10					10.000	
	Total Quantity						10.000 set	
	Total Deducted Quantity						0.000 set	
	Net Total Quantity						10.000 set	
	Say 10.000 set @ Rs 24590.00 / set						Rs 245900.00	
9	od23906/2019_2020 Supply, installation, testing and commissioning of Promethean Board AB2T78 complete with all other accessories. Active inspire software will be complimentary with Promethean board.							
		10					10.000	
	Total Quantity						10.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						10.000 no	
	Say 10.000 no @ Rs 34000.00 / no						Rs 340000.00	
SI No	Description	No	L	B	D	CF	Quantity	Remark
12 CONTINGENCIES								
Lump-Sum Total							Rs 854778.00	

	Provision for GST payments (in %) @	12.0%
	Amount reserved for GST payments	10359914.39
	Total	96692534.39
	Lumpsum for round off	65.61
		TOTAL Rs 96692600.00
		Rounded Total Rs 9,66,92,600
Rupees Nine Crore Sixty Six Lakh Ninety Two Thousand Six Hundred Only		

(Cost Index Applied for this estimate is 37.93%)



Other Engineering Organisations

PRICE