

ABSTRACT			
Name of the Work: - Construction of Godabarisha Mishra Adarsh Prathamik Vidyalaya (GMAPV) at GOVT.HS, Jenapur, Odisha,Jenapur G.P,Dharmasala Block,Dist-Jajpur			
Model-1 Drawing			
Sl. No.	Description of Works		Amount in Rs.(Excl. GST)
A	CIVIL WORKS: -		
i.	School Building (Ground Floor Only) Foundation for G+1		
a.	Ground Floor	Rs.	40,774,945.00
b.	Head Room & Terrace	Rs.	3,691,964.00
ii.	Frontside Compound Wall (75 Mtr) & Gate	Rs.	1,197,771.00
iii.	Barbed Fencing (300 Mtr)	Rs.	260,247.00

	SUB TOTAL (A) :	Rs.	45,924,927.00
B	PH WORKS: -		
i.	Internal PH & Sanitary Works	Rs.	1,055,762.81
ii.	External PH Works		1,605,840.55

	SUB TOTAL (B) :	Rs.	2,661,603.36
C	ELECTRICAL WORKS: -		
i.	Internal Electrical Works	Rs.	2,600,427.00

	SUB TOTAL (C) :	Rs.	2,600,427.00
D	TOTAL (A+B+C) =	Rs.	51,186,957.36

BILL OF QUANTITIES (CIVIL WORK)									
Sl. No.	Description of items	GF	TERRACE	C.WALL	OTHER	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
	DISMANTLING WORKS								
	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc.complete					0			
	(a) Ground Floor					0	Sqm	10.50	
	(b) First Floor					0	Sqm	10.50	
	Dismantling brick or stone masonry in lime or cement mortar above 3m. height including stacking the useful materials for reuse and removing the debris within 50m. Lead					0			
	(a) Ground Floor					0	Cum	1743.48	
	(b) First Floor					0	Cum	1830.70	
	Removing old lime or cement plaster from walls including raking out joints 12 mm deep and removing the debris within 50m lead					0			
	(a) Ground Floor					0	Sqm	58.95	
	(b) First Floor					0	Sqm	61.90	
	(c) Second Floor					0	Sqm	65.00	
	Dismantling and removing old tiled flooring including removing the base coarse and stacking the useful materials for reuse and removing the debris within 50m lead					0			
	(a) Ground Floor					0	Sqm	147.37	
	(b) First Floor					0	Sqm	154.70	
	Dismantling and removing old tiled cladding from walls including racking out joints 12mm deep stacking the useful materials for reuse and removing the debris within 50m lead					0			
	(a) Ground Floor					0	Sqm	76.64	
	(b) First Floor					0	Sqm	80.50	
	Dismantling and removing doors, windows and ventilators including removal of frame, hinges, fastening and stacking the same for reuse and removing the debris within 50m lead					0			
	(a) Ground Floor					0	Sqm	465.14	
	(b) First Floor					0	Sqm	488.40	
	Dismantling and removing cement concrete including stacking the useful materials for reuse and removing the debris within 50m lead					0			
	(a) Ground Floor					0	Cum	877.16	
	(b) First Floor					0	Cum	921.00	
	Dismantling and removing R.C.C. columns beams slab staircase landing, lintels including stacking the useful materials for reuse and removing the debris within 50m lead.					0			
	(a) Ground Floor					0	Cum	1731.81	
	(b) First Floor					0	Cum	1818.40	
	Dismantling G.C.I. or A.C. sheet roofing after carefully removing the bolts and nuts including stacking of the materials for reuse and removing the debris within 50m lead					0			
	(a) Terrace Floor					0	Sqm	106.28	
	Dismantling wrought and framed timber in roof frame work of floors after careful removal of nail, bolts etc. and stacking of the materials for reuse and removing the debris within 50m lead					0			
	(a) Terrace Floor					0	cum	1478.95	
	Dismantling and removing 2.5 cm thick grading concrete from roof slab cleaning the surface lowering and removing the debris within 50m lead					0			
	(a) Ground Floor					0	Sqm	132.63	
	(b) First Floor					0	Sqm	139.30	
	(a) Terrace Floor					0	Sqm	146.20	
	Disposal of moorum/building rubbish/ malba/ similar unserviceable, dismantled or waste material by mechanical transport including loading, transporting, unloading to approved municipal dumping ground for lead upto 10 km for all lifts, complete as per directions of Engineer-in-charge.					0			
	(a) Ground Floor					0	Cum	330.80	
	(b) First Floor					0	Cum	330.80	
	(c) Second Floor					0	Cum	330.80	
						0			
						0			
						0			
	Cutting of trees, including cutting of trunks, branches and removal of stumps, roots, stacking of serviceable material with all lifts and up to a lead of 1000 metres and earth filling in the depression/pit.					0			
	Girth from 300mm to 600mm					0	Each	385.00	
(i)	CIVIL WORK								
1	Clearing and grubbing roads and land including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees girth up to 300 mm, removal of stumps of trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used or auctioned, up to a lead of 1000 metres including removal and disposal of top organic soil not exceeding 150 mm in thickness.					0	Sqm	8.63	
1	Excavation, loading, unloading and carriage by mechanical means of all kinds of soil, including stoney earth, gravel and moorum etc interspread with boulders upto 1/2 cum size with all lifts and delifts including trimming of slopes and bed to design section and depositing the the excavated materials away from work site as per the specification and as directed by the Engineer- in-charge within an initial lead of 1km from the place of excavation complete.								
		2510.47		136.79		2647.26	Cum	99.50	263,402.37
	From 1.5mtr Depth to 3.0mtr Depth					0			
2	Earth work in excavation in foundation trenches, column foundation, pit, etc in all kind of soil including moorum stony earth and earth mixed with boulders except sheet rock and boulders not requiring blasting including dressing of sides and levelling the bed up to the required depth and depositing the excavated materials away from the work site with initial lead of 50 mtr and all lifts, including shoring, shuttering & dewatering (if required) with cost of labour, labour cess, hire & running charges of all machineries, sundries & T&P required for the work complete as directed by the Engineer in charge.					0			
	Upto 1.5mtr Depth					0	Cum	311.50	
	From 1.5mtr Depth to 3.0mtr Depth					0	Cum	334.00	
2	Filling the Plinth with excavated materials (excluding rock), in layers not exceeding 0.225 m in depth including cost of watering, ramming, dressing and levelling the top to proper level & gradient, cost of labour, conveyance, loading, unloading, T&P, etc, all complete as per the direction of Engineer-in-Charge.								
		418.41				418.41	Cum	173.10	72,426.77
3	Filling the Foundation, Sides of Foundation, etc. in mechanical means with excavated materials (excluding rock), in layers not exceeding 0.225 m in depth including cost of watering, ramming, dressing and levelling the top to proper level & gradient, cost of machinery, conveyance, loading, unloading, T&P, etc, all complete as per the direction of Engineer-in-Charge.								

		1673.65		91.19		1764.84	Cum	99.50	175,601.58
	Disposal of surplus/ excavated materials by mechanical means within 5km. Lead away from the site including cost of all labour , T&P complete as per the direction of the Engineer-in-charge.					0			
	(a)Ground Floor					0	Cum	278.80	
4	Supplying, diluting and preparing chemical emulsion like Imidacloprid 30.5 % SC or other chemicals approved by Central Insecticides Board or as directed by the manufacturer and spraying the mixture uniformly by sprayer as Pre/Post-Constructional Anti-termite Treatment confirming to IS 6313 (Part-II) including the cost of all materials, cost of all labour, conveyance, loading, unloading, T&P, etc. all complete as per the direction of Engineer-in-Charge.								
		1818.06				1818.06	sqm	138.20	251,255.89
5	Supplying and Filling with Sand in Foundation and Plinth in layers not exceeding 20 cm in depth , well watered and compact , top surface dressed and levelled to proper level and gradient including cost of all materials , conveyance, royalties, loading, unloading, cost of all labour, T&P, etc.All complete as per the direction of Engineer-in-charge.								
		240.52		6.62		247.14	Cum	541.40	133,801.60
6	Providing and lying Plain Cement Concrete of proportion (1:3:6) in foundation & floor using 40 mm & down grade black hard crusher broken granite stone metal, washed and screened sharp sand of approved quality from approved quarry including hoisting, lowering, laying the concrete, ramming, watering and curing etc. complete to required thickness including cost of all materials, conveyance, loading, unloading, royalties, cost of labours, T&P, hire & running charges of concrete mixer, etc. all complete as per the direction of the Engineer -in -charge.								
		422.20		11.63		433.83	Cum	5850.30	2,538,035.65
	Depth 1.5 to 4.5mtr lvl					0	Cum	6189.00	
6	Providing and lying Plain Cement Concrete of proportion (1:4:8) in foundation & floor using 40 mm & down grade black hard crusher broken granite stone metal, washed and screened sharp sand of approved quality from approved quarry including hoisting, lowering, laying the concrete, ramming, watering and curing etc. complete to required thickness including cost of all materials, conveyance, loading, unloading, royalties, taxes, cost of labours, T&P, hire & running charges of concrete mixer, etc. all complete as per the direction of the Engineer -in -charge.					0			
	Ground Floor					0	Cum	5465.00	
	Depth 1.5 to 4.5mtr lvl					0	Cum	5803.70	
7	Providing and laying in position of plain cement concrete 1:2:4 (1 Cement :2 Sand :4 Coarse Aggreagate) in floors using 12mm size hard broken crusher broken granite stone metal, washed and screened sharp sand of approved quality from approved quarry including hoisting, lowering, laying the concrete, ramming, watering and curing etc. complete to required thickness including cost of all materials, conveyance, loading, unloading, royalties, cost of labours, T&P, hire & running charges of concrete mixer, etc. all complete as per the direction of the Engineer -in -charge.								
	Ground Floor			0.00		0	Cum	7522.10	
	RCC WORK								
	Providing, lifting, hoisting and laying in position machine batched , machine mixed and machine vibrated design mix cement concrete of M-25(minimum cement content not less than 403 Kg/Cum) grade in reinforced cement concrete structural elements using black hard crusher broken granite chips of approved quality from approved quarry including mixing and compacting to proper shape and size, level and plumbs and finishing the exposed surfaces smooth including the cost of all materials, cost of labour, conveyance,loading, unloading, royalties, watering and curing for the required period, T&P , hire & running charges of concrete mixer and vibrator, cost of Admixtures in recommended proportions (as per IS 9103) to accelerate, retard setting of concrete, improve workability without impairing strength and durability etc. complete as per the direction of the Engineer-in-charge but excluding the cost of steel reinforcement & centring shuttering.					0			
	Ground Floor					0	Cum	6362.10	
	First Floor					0	Cum	6486.90	
7	Providing, lifting, hoisting and laying in position machine batched , machine mixed and machine vibrated design mix cement concrete of M-25 Including the cost of Centering and Shuttering (minimum cement content not less than 403 Kg/Cum) grade in reinforced cement concrete structural elements using black hard crusher broken granite chips of approved quality from approved quarry including mixing and compacting to proper shape and size, level and plumbs and finishing the exposed surfaces smooth including the cost of all materials, cost of labour, conveyance,loading, unloading, royalties, watering and curing for the required period, T&P , hire & running charges of concrete mixer and vibrator, cost of Admixtures in recommended proportions (as per IS 9103) to accelerate, retard setting of concrete, improve workability without impairing strength and durability etc. complete as per the direction of the Engineer-in-charge but excluding the cost of steel reinforcement.								
	(A)R.C.C. foundation and footing bases of columns mass concrete pre-cast slab etc.								
	(a)Ground Floor	341.22		9.00		350.22	Cum	6736.80	2,359,362.10
	R.C.C. Plinth Beam								
	(a)Ground Floor	135.85		5.63		141.48	Cum	7611.20	1,076,832.58
	(B)R.C.C. Column &cRoof Beam								
	Ground Floor	291.80		3.09		294.89	Cum	16119.60	4,753,508.84
	Terrace		34.40			34.4	Cum	18195.90	625,938.96
	Second Floor					0	Cum	20681.30	
	Third Floor					0	Cum	23656.50	
	Fourth Floor					0	Cum	27218.60	
	Fifth Floor					0	Cum	31483.50	
	SiXth Floor					0	Cum	36590.60	
						0			
	(C)R.C.C. Slab								
	Ground Floor	242.35		0.42		242.77	Cum	12515.60	3,038,412.21
	Terrace		13.65			13.65	Cum	13871.20	189,341.88
	Second Floor					0	Cum	15491.60	
	Third Floor					0	Cum	17429.00	
	Fourth Floor					0	Cum	19745.50	
	Fifth Floor					0	Cum	22515.80	
	SiXth Floor					0	Cum	25829.30	
						0			
	(D)R.C.C. Staircase								
	Ground Floor	10.09				10.09	Cum	15981.80	161,256.36
	Terrace					0	Cum	18030.60	
	Second Floor					0	Cum	20483.00	

	Third Floor				0	Cum	23418.60	
	Fourth Floor				0	Cum	26933.00	
	Fifth Floor				0	Cum	31140.90	
	SiXth Floor				0	Cum	36179.40	
					0			
	(E) R.C.C. Intel							
	Ground Floor	33.16			33.16	Cum	14450.60	479,181.90
	Terrace		0.97		0.97	Cum	16193.10	15,707.31
	Second Floor				0	Cum	18278.00	
	Third Floor				0	Cum	20772.60	
	Fourth Floor				0	Cum	23758.00	
	Fifth Floor				0	Cum	27330.90	
	SiXth Floor				0	Cum	31607.30	
					0			
	(F) R.C.C. Fins							
	Ground Floor	17.02			17.02	Cum	11799.90	200,834.30
	First Floor				0	Cum	13012.20	
					0			
					0			
	R.C.C. Grade Slab				0			
	Ground Floor				0	Cum	6736.80	
	Double under reamed pile foundation with R.C.C. M25 using 12mm size black hard granite (crusher broken) stone chips including cost of boreholes but excluding cost of M.S. rod/Tor steel and labour charges for cutting, bending and binding of steel.				0			
	450mm Dia & 6.00Mtr Long Per One Pile				0	Nos	16113.60	
	For Each Addl. Depth of 0.50Mtr Beyond Initial Depth of 6.0Mtr add Extra to Rate				0	Nos	767.77	
8	Providing & fixing TOR Fe-500 HYSD Reinforcement bars of required diameter and approved quality for Reinforced Cement Concrete work including straightening, cutting, bending, binding, welding(if approved) , joining (if necessary), tying the grills, hoisting, lowering and placing in position as per the approved design & drawings (BBS) with provision of standard fan hooks including the cost of all materials, cost of all labour, conveyance, loading, unloading, cost of binding wires of 18 to 20 gauge, T&P, etc, all complete as per the direction of Engineer-in-Charge. Note: (Linear measurements will be taken & quantity will be calculated on standard weight. Lap length of bars & Weight of binding wire will not be considered for measurement and payment).							
	Ground Floor	1304.17		22.00	1326.17	Qntl	9540.50	12,652,324.89
	Terrace		65.89		65.89	Qntl	9574.56	630,867.76
	Second Floor				0	Qntl	9610.37	
	Third Floor				0	Qntl	9648.00	
	Fourth Floor				0	Qntl	9687.40	
	Fifth Floor				0	Qntl	9728.90	
	SiXth Floor				0	Qntl	9772.40	
					0			
	BRICK WORK				0			
9	Providing and laying Brick Masonry work in Foundation & Plinth using Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm2 with dimensional tolerance + 2 % confirming to IS 12894 and IS 2212 in cement mortar (1:6) after immersing the bricks for minimum 6 hours in water before use, with all necessary projections, splays cutting, circular moulding, corbelling, etc. as per the drawings including the cost of all materials, cost of all labour, conveyance, royalties, loading, unloading, scaffolding, staging, watering and curing, sundries, T&P, etc. complete as per the direction of the Engineer-in-charge.							
	(a)Ground Floor	194.50		17.34	211.84	Cum	5485.40	1,162,027.14
10	Providing and laying Brick masonry work in Superstructure using Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm2 with dimensional tolerance + 2 % confirming to IS 12894 and IS 2212 in cement mortar (1:4) for Half Brick Masonry Wall with provisions for 2 nos 6mm dia MS bar at each 4th layer after immersing the bricks for minimum 6 hours in water before use, with all necessary projections, splays cutting, circular moulding, corbelling, etc. as per the drawings including the cost of all materials, cost of all labour, conveyance, royalties, loading, unloading, scaffolding, staging, watering and curing, sundries, T&P, etc. complete as per the direction of the Engineer-in-charge. (Excluding Cost Of Steel Reinforcement).							
	Ground Floor	34.41			34.41	Cum	5736.80	197,403.29
	Terrace				0	Cum	6122.80	
	Second Floor				0	Cum	6566.70	
	Third Floor				0	Cum	7077.10	
	Fourth Floor				0	Cum	7664.20	
	Fifth Floor				0	Cum	8339.30	
	SiXth Floor				0	Cum	9115.60	
11	Providing and laying of Full Brick Masonry work in Superstructure using Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm2 with dimensional tolerance + 2 % confirming to IS 12894 and IS 2212 in cement mortar (1:6) after immersing the bricks for minimum 6 hours in water before use, with all necessary projections, splays cutting, circular moulding, corbelling, etc. as per the drawings including the cost of all materials, cost of all labour, conveyance, royalties, loading, unloading, scaffolding, staging, watering and curing, sundries, T&P, etc. complete as per the direction of the Engineer-in-charge.							
	Ground Floor	453.25		25.88	479.13	Cum	5518.70	2,644,174.73
	Terrace		158.97		158.97	Cum	5904.70	938,670.16
	Second Floor				0	Cum	6348.60	
	Third Floor				0	Cum	6859.00	
	Fourth Floor				0	Cum	7446.10	
	Fifth Floor				0	Cum	8121.10	
	SiXth Floor				0	Cum	8897.50	
					0			
	FINISHING WORK				0			
12	Providing 6 mm thick Cement Plaster in Cement Mortar of (1:4) to Ceilings of Roof Slabs, Stairs, Landings, Chajja, Shelves, Columns, Beams and Lofts etc. including roughening, scraping and cleaning and finishing the plastered surface smooth using wooden floats only to proper plumbs and level, making grooves, beads and drip coarse to give required ornamental finish as per drawings including cost of all materials, conveyance, loading and unloading and royalties, all labour, scaffolding, watering and curing , sundries, T&P etc. complete as per direction of the Engineer-in-charge							
	Ground Floor	83.59		64.71	148.3	Sqm	₹ 214.50	31,810.35
	Terrace		0.00		0	Sqm	₹ 220.10	
	Second Floor				0	Sqm	₹ 225.90	

	Third Floor				0	Sqm	₹	231.80	
	Fourth Floor				0		₹	237.90	
	Fifth Floor				0		₹	244.20	
	SiXth Floor				0		₹	250.70	
13	Providing 12mm thick cement plaster in cement mortar (1:4) to the surface of half brick masonry wall including racking out joints, scraping and cleaning the surface and finishing the plaster surface smooth using wooden floats, bars, etc only to proper plumbs and level and making grooves, beads and drip coarse to give required ornamental finish as per drawings including cost of all materials, conveyance, loading and unloading, royalties, cost of all labour, scaffolding, staging, watering before plastering and curing, sundries and T&P, etc. complete as per direction of the Engineer-in-charge.								
	Ground Floor	2147.18			2147.18	Sqm	₹	202.10	433,945.08
	Terrace		3209.45		3209.45	Sqm	₹	206.90	664,035.21
	Second Floor				0	Sqm	₹	211.80	
	Third Floor				0	Sqm	₹	216.80	
	Fourth Floor				0	Sqm	₹	222.00	
	Fifth Floor				0	Sqm	₹	227.40	
	SiXth Floor				0	Sqm	₹	232.90	
14	Providing 16mm thick cement plaster in cement mortar (1:6) to the surfaces of brick masonry wall including racking out joints, scraping and cleaning the surface and finishing the plaster surface smooth using wooden floats, bars, etc only to proper plumbs and level and making grooves, beads and drip coarse to give required ornamental finish as per drawings including cost of all materials, conveyance, loading and unloading, royalties, cost of labour, scaffolding, staging, watering before plastering and curing, sundries and T&P, etc. complete as per direction of the Engineer-in-charge.(inner side)								
	Ground Floor	3559.07		202.50	3761.57	Sqm	₹	275.10	1,034,807.91
	Terrace		170.16		170.16	Sqm	₹	282.20	48,019.15
	Second Floor				0	Sqm	₹	289.60	
	Third Floor				0	Sqm	₹	297.10	
	Fourth Floor				0		₹	304.90	
	Fifth Floor				0		₹	313.00	
	SiXth Floor				0		₹	321.20	
					0				
15	Providing 12mm thick cement plaster in cement mortar (1:6) to the surface of brick masonry wall including racking out joints, scraping and cleaning the surface and finishing the plaster surface smooth using wooden floats, bars, etc only to proper plumbs and level and making grooves, beads and drip coarse to give required ornamental finish as per drawings including cost of all materials, conveyance, loading and unloading, royalties, cost of labour, scaffolding, staging, watering before plastering and curing, sundries and T&P, etc. complete as per direction of the Engineer-in-charge.(Outer side)								
	Ground Floor				0	Sqm	₹	189.80	
	Terrace				0	Sqm	₹	197.70	
	Second Floor				0	Sqm	₹	206.10	
	Third Floor				0	Sqm	₹	214.80	
	Fourth Floor				0	Sqm	₹	224.00	
	Fifth Floor				0	Sqm	₹	233.70	
	SiXth Floor				0	Sqm	₹	243.80	
16	Providing 12mm thick cement plaster in cement mortar (1:4) with neat cement punning including racking out joints, scraping and cleaning the surface and finishing the plaster surface smooth using wooden floats, bars, etc only to proper plumbs and level and making grooves, beads and drip coarse to give required ornamental finish as per drawings including cost of all materials, conveyance, loading and unloading, taxes, royalties, cost of all labour, scaffolding, staging, watering before plastering and curing, sundries and T&P, etc. complete as per direction of the Engineer-in-charge.								
	Ground Floor				0	Sqm	₹	210.00	
16	Extra for plastering done on moulding, cornices or architraves including neat finish to line and level:								
	Ground Floor				0	Sqm	₹	659.00	
	Terrace				0	Sqm	₹	659.00	
	Second Floor				0	Sqm	₹	659.00	
	Third Floor				0	Sqm	₹	659.00	
	Fourth Floor				0	Sqm	₹	659.00	
	Fifth Floor				0	Sqm	₹	659.00	
	SiXth Floor				0	Sqm	₹	659.00	
	PLINTH PROTECTION								
					0				
16	Making plinth protection 100 mm thick using of M20 grade cement concrete necessary excavation, levelling & dressing & finishing the top smooth.								
	(a)Ground Floor				0	cum	₹	6,364.41	
15	Providing average 25mm thick grading Concrete in C.C (1:2:2) using 6mm size crusher broken black hard granite chips using 2% water proofing cement compound of approved make after scraping and cleaning the roof surface and finishing smooth to proper slope and gradient including cost of all materials, conveyance, sundries,T&P watering and curing by ponding water over terrace slab etc. complete as per the direction of the Engineer-in-charge.								
	Terrace				0	Sqm	₹	418.10	
	Terrace				0	Sqm	₹	458.60	
	Second Floor				0	Sqm	₹	505.10	
	Third Floor				0	Sqm	₹	558.60	
	Fourth Floor				0	Sqm	₹	620.00	
	Fifth Floor				0	Sqm	₹	690.80	
	SiXth Floor				0	Sqm	₹	772.10	
1	Providing and Laying of 2.5 cm. Damp proof course with C.C. (1:2:4) using 12mm. Size hard broken granite Chips including cost of all materials, conveyance, loading, unloading, royalties, taxes, cost of labours, T&P, hire & running charges for all leads as per direction of the engineer-in-charge.								
	Ground Floor				0	Sqm	₹	383.50	
1	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.								
	Ground Floor				0	Kg		96.10	
1	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. (Mild steel tubes hot finished seamless type)								
	Ground Floor				0	KG	₹	146.70	

1	Supplying, filling, spreading & leveling stone boulders of size range 40 mm in recharge pit of required thickness including cost of material, labour, carriage, royalty, etc complete as directed by the Engineer-in-charge.				0			
	Ground Floor				0	Cum	₹ 2,053.40	
1	Supplying, filling, spreading & leveling stone boulders of size range 20 mm in recharge pit of required thickness including cost of material, labour, carriage, royalty, etc complete as directed by the Engineer-in-charge.				0			
	Ground Floor				0	Cum	₹ 2,566.50	
					0			
					0			
	FINISHING WORK				0			
15	Supplying and finishing the plastered surface of wall using 2 Coats of Cement Based Wall Putty (Water Based) of approved make and quality and finished smooth and even surface to receive the paint including the cost of all materials, cost of all labour, conveyance, taxes, loading, unloading, scaffolding, T&P, etc, all complete as per the direction of Engineer-in-Charge.							
	Interior Wall Putty							
	Ground Floor	5096.62			5096.62	Sqm	₹ 92.30	470,418.03
	Terrace		170.16		170.16	Sqm	₹ 94.30	16,046.09
	Second Floor				0	Sqm	₹ 96.30	
	Third Floor				0	Sqm	₹ 98.30	
	Fourth Floor				0	Sqm	₹ 100.50	
	Fifth Floor				0	Sqm	₹ 102.60	
	SiXth Floor				0	Sqm	₹ 104.90	
					0			
	Outer Wall Putty				0			
	Ground Floor				0	Sqm	₹ -	
	Terrace				0	Sqm	₹ -	
	Second Floor				0	Sqm	₹ -	
	Third Floor				0	Sqm	₹ -	
	Fourth Floor				0	Sqm	₹ -	
	Fifth Floor				0	Sqm	₹ -	
	SiXth Floor				0	Sqm	₹ -	
					0			
16	Providing and applying 2 coats plastic emulsion paint of approved quality and shade over a coat of wall primer of approved quality to surfaces (interior) including thoroughly brushing the surface free from foreign materials, sand papering smooth the intermediate coats, providing necessary putty & primer including of all materials, labour, conveyance, royalties, scaffolding, watering, curing, sundries, tools and plants etc as per the direction of Engineer-in-charge. (colour & shade to be approved before procurment & use)							
	Ground Floor	5168.33			5168.33	Sqm	₹ 193.80	1,001,622.35
	First Floor		267.94		267.94	Sqm	₹ 198.10	53,078.91
	Second Floor				0	Sqm	₹ 202.47	
	Third Floor				0	Sqm	₹ 207.00	
	Fourth Floor				0	Sqm	₹ 211.70	
	Fifth Floor				0	Sqm	₹ 216.50	
	SiXth Floor				0	Sqm	₹ 221.40	
17	Providing and Painting with Two Coats Weather Coat Paint (exterior grade) of approved make & shade manufactured by reputed manufacturer make an even finished surface over a coat of water bound cement primer and wall putty in all heights with all scaffolding and staging charges including cost, conveyance, cost of all labours, T & P, sundries etc. as required for the work complete.							
	Ground Floor	2446.95		267.21	2714.16	Sqm	₹ 185.60	503,748.10
	First Floor		1350.36		1350.36	Sqm	₹ 192.70	260,214.37
	Second Floor				0	Sqm	₹ 200.20	
	Third Floor				0	Sqm	₹ 208.10	
	Fourth Floor				0	Sqm	₹ 216.30	
	Fifth Floor				0	Sqm	₹ 225.00	
	SiXth Floor				0	Sqm	₹ 234.10	
18	Painting two coats of synthetic enamel paint over Iron Works as per approved shade of approved quality over a coat of primer, sand papering, polishing the surface including cost, conveyance, labour, T&P, scaffolding etc. as required for the work complete as per direction of Engineer-in-charge. (The paints and primer are to be approved before procurement and use)							
	Ground Floor	201.09		44.41	245.5	Sqm	₹ 268.10	65,818.55
	First Floor		25.62		25.62	Sqm	₹ 273.00	6,994.26
	Second Floor				0	Sqm	₹ 278.00	
	Third Floor				0	Sqm	₹ 283.10	
	Fourth Floor				0	Sqm	₹ 288.40	
	Fifth Floor				0	Sqm	₹ 293.90	
	SiXth Floor				0	Sqm	₹ 299.50	
19	Painting two coats of synthetic enamel paint on road work over Plaster or RCC Works like (kerb wall, bridge rcc barrier) as per approved shade of approved quality, sand papering, polishing the surface including cost, conveyance, labour, T&P, scaffolding etc. as required for the work complete as per direction of Engineer-in-charge. (The paints are to be approved before procurement and use)				0			
	Ground Floor				0	Sqm	₹ 83.60	
19	Wall painting with Textured Paint of approved quality of pattern as specified in drawing including cost of all materials, labours, T&P, carriage, royalty, taxes etc. required for the work all complete as per direction of Engineer-in-charge.				0			
	Ground Floor				0	Sqm	₹ 799.10	
	First Floor				0	Sqm	₹ 799.10	
	Second Floor				0	Sqm	₹ 799.10	
	Third Floor				0	Sqm	₹ 799.10	
	Fourth Floor				0	Sqm	₹ 799.10	
	Fifth Floor				0	Sqm	₹ 799.10	
	SiXth Floor				0	Sqm	₹ 799.10	
	FLOORING WORK				0			

19	Providing and laying of 600 mm x 600 mm Vitrified Floor Tiles Matt Finish Anti Skid Plain Series confirming to IS : 15622 of approved make, quality and colour without any warpage laid over an under layer of 20 mm thick base of cement mortar (1:4) (1 cement: 4 coarse sand) including cutting to size, laying and filling the joints with white cement slurry mixed with colouring pigment to match the shade and colour, cleaning the surfaces including the cost of all materials, cost of all labour, conveyance, royalties, loading, unloading, sundries, watering and curing, T&P, etc. complete as per the direction of the Engineer-in-Charge. (Note- Sample of tiles shall be approved before procurement and use.)								
	Ground Floor	775.10				775.1	Sqm	₹ 1,139.80	883,458.98
	First Floor					0	Sqm	₹ 1,153.60	
	Second Floor					0	Sqm	₹ 1,168.00	
	Third Floor					0	Sqm	₹ 1,183.10	
	Fourth Floor					0	₹	1,199.00	
	Fifth Floor					0	₹	1,215.70	
	SiXth Floor					0	₹	1,233.20	
20	Providing and laying of Vitrified Tiles Matt Finish Plain Series in dado/skirting confirming to IS : 15622 of approved make, quality, colour and size 600mm x 600mm upto required height from floor level fixed over an under layer of 12mm thick bed of cement mortar (1:3) (1 Cement : 3 Coarse sand) including cutting to size, laying and filling the joints with white cement slurry mixed with colouring pigment to match the shade and colour, cleaning the surfaces including the cost of all materials, cost of all labour, conveyance, taxes, royalties, loading, unloading, sundries, watering and curing, T&P, etc. complete as per the direction of the Engineer-in-Charge. (Note- Sample of tiles shall be approved before procurement and use.)								
	Ground Floor	73.80				73.8	Sqm	₹ 1,277.50	94,279.50
	First Floor					0	Sqm	₹ 1,298.20	
	Second Floor					0	Sqm	₹ 1,319.80	
	Third Floor					0	Sqm	₹ 1,342.60	
	Fourth Floor					0	₹	1,366.50	
	Fifth Floor					0	₹	1,391.60	
	SiXth Floor					0	₹	1,418.00	
21	Providing and laying 300mmx300mm antiskid ceramic floor Tiles confirming to IS : 15622 of approved make, quality and colour without any warpage laid over an under layer of 20 mm thick base of cement mortar (1:4) (1 cement: 4 coarse sand) including cutting to size, laying and spacer of 4mm for grouting the joints of tiles using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg) to match the shade and colour, cleaning the surfaces with acid including the cost of all materials, cost of all labour, conveyance, royalties, loading, unloading, sundries, watering and curing, T&P, etc. complete as per the direction of the Engineer-in-Charge. (Note- Sample of tiles shall be approved before procurement and use.)								
	Ground Floor	82.32				82.32	Sqm	₹ 1,093.70	90,033.38
	First Floor					0	Sqm	₹ 1,107.40	
	Second Floor					0	Sqm	₹ 1,121.80	
	Third Floor					0	Sqm	₹ 1,136.90	
	Fourth Floor					0	Sqm	₹ 1,152.80	
	Fifth Floor					0	Sqm	₹ 1,169.50	
	SiXth Floor					0	Sqm	₹ 1,187.00	
22	Ceramic wall tile With Epoxy Grout For Toilet Providing and laying of Glazed Ceramic Wall Tiles in dado/skirting confirming to IS : 15622 of approved make, quality, colour and size 300mm x 450mm upto required height from floor level fixed over an under layer of 12mm thick bed of cement mortar (1:3) (1 Cement : 3 Coarse sand) including cutting to size, laying and spacer of 4mm for grouting the joints of tiles using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg) to match the shade and colour, cleaning the surfaces with acid including the cost of all materials, cost of all labour, conveyance, taxes, royalties, loading, unloading, sundries, watering and curing, T&P, etc. complete as per the direction of the Engineer-in-Charge. (Note- Sample of tiles shall be approved before procurement and use.)								
	Ground Floor	318.76				318.76	Sqm	₹ 1,092.50	348,245.30
	First Floor					0	Sqm	₹ 1,113.20	
	Second Floor					0	Sqm	₹ 1,134.80	
	Third Floor					0	Sqm	₹ 1,157.60	
	Fourth Floor					0	Sqm	₹ 1,181.50	
	Fifth Floor					0	Sqm	₹ 1,206.60	
	SiXth Floor					0	Sqm	₹ 1,233.00	
21	Ceramic wall tile Without Epoxy Grout Providing and laying of Glazed Ceramic Wall Tiles in dado/skirting confirming to IS : 15622 of approved make, quality, colour and size 400mm x 300mm upto required height from floor level fixed over an under layer of 12mm thick bed of cement mortar (1:3) (1 Cement : 3 Coarse sand) including cutting to size, laying and filling the joints with white cement slurry mixed with colouring pigment to match the shade and colour, cleaning the surfaces including the cost of all materials, cost of all labour, conveyance, taxes, royalties, loading, unloading, sundries, watering and curing, T&P, etc. complete as per the direction of the Engineer-in-Charge. (Note- Sample of tiles shall be approved before procurement and use.)					0			
	Ground Floor					0	Sqm	₹ 996.20	
	First Floor					0	Sqm	₹ 1,016.80	
	Second Floor					0	Sqm	₹ 1,038.50	
	Mumty Floor					0	Sqm	₹ 1,061.30	
						0			
1	Providing and laying 600mm x 1200mm Vitrified matt finish floor tiles confirming to IS : 15622 of approved make, quality and colour without any warpage laid over 20 mm thick base of cement mortar (1:4) (1 cement: 4 coarse sand) including cutting to size, laying and filling the joints with white cement slurry mixed with colouring pigment to match the shade and colour, cleaning the surfaces including the cost of all materials, cost of all labour, conveyance, taxes, royalties, loading, unloading, sundries, watering and curing, T&P, etc. complete as per the direction of the Engineer-in-Charge. (Note- Sample of tiles shall be approved before procurement and use.)					0			
	Ground Floor					0	Sqm	₹ 1,139.80	
	First Floor					0	Sqm	₹ 1,153.60	

1	Vetrified industrial floor Tile of premium grade having thickness 15mm to 16mm confirming to IS 4457 of size 600mmx1200mm of approved make, quality and colour without any warpage laid over an under layer of 20 mm thick base of cement mortar (1:4) (1 cement: 4 coarse sand) including cutting to size, laying and filling the joints with white cement slurry mixed with colouring pigment to match the shade and colour, cleaning the surfaces with oxlaic acid, machine grinding, mirror polishing including the cost of all materials, cost of all labour, conveyance, royalties, loading, unloading, sundries, watering and curing, T&P, etc. complete as per the direction of the Engineer-in-Charge. (Note- Sample of tiles shall be approved before procurement and use.) (Make:Somany/Jhsonson/RAK/kajaria)					0			
	Ground Floor					0	Sqm	₹ 1,997.40	
	First Floor					0	Sqm	₹ 2,011.20	
23	Providing & laying Heavy Duty Vetrified Floor Tile Matt Finish Rustic Series having thickness 10mm confirming to IS 4457 of size 600mmx600mm of approved make, quality and colour without any warpage laid over an under layer of 20 mm thick base of cement mortar (1:4) (1 cement: 4 coarse sand) including cutting to size, laying and filling the joints with white cement slurry mixed with colouring pigment to match the shade and colour, cleaning the surfaces with oxlaic acid, machine grinding, mirror polishing including the cost of all materials, cost of all labour, conveyance, royalties, loading, unloading, sundries, watering and curing, T&P, etc. complete as per the direction of the Engineer-in-Charge. (Note- Sample of tiles shall be approved before procurement and use.)								
	Ground Floor	662.15				662.15	Sqm	₹ 1,230.90	815,040.44
24	Providing & laying Heavy Duty Vetrified Floor Tile Matt Finish Rustic Series having thickness 10mm in dado/skirting confirming to IS : 15622 of size 600mmx600mm of approved make, quality and colour without any warpage laid over an under layer of 12mm thick cement mortar (1:3) (1 cement: 3 coarse sand) confirming to IS-1443 including cutting to size, laying and filling the joints with white cement slurry mixed with colouring pigment to match the shade and colour, cleaning the surfaces including the cost of all materials, cost of all labour, conveyance, taxes, royalties, loading, unloading, sundries, watering and curing, T&P, etc. complete as per the direction of the Engineer-in-Charge. (Note- Sample of tiles shall be approved before procurement and use.)								
	Ground Floor	75.83				75.83	Sqm	₹ 1,368.80	103,796.10
25	Providing and laying 300mm x 300mm Chequered Tiles. tiles confirming to IS : 15622 of approved make, quality and colour without any warpage laid over 20 mm thick base of cement mortar (1:4) (1 cement: 4 coarse sand) including cutting to size, laying and filling the joints with white cement slurry mixed with colouring pigment to match the shade and colour, cleaning the surfaces including the cost of all materials, cost of all labour, conveyance, taxes, royalties, loading, unloading, sundries, watering and curing, T&P, etc. complete as per the direction of the Engineer-in-Charge. (Note- Sample of tiles shall be approved before procurement and use.)								
	Ground Floor	136.51				136.51	Sqm	₹ 645.50	88,117.21
	First Floor					0	Sqm	₹ 659.20	
26	Providing & laying granite stone flooring using 19-20 mm thick granite stone slab of approved quality, colour and size above 0.4 Sqm as per IS 14223 in Stair Treads and Risers over an under layer of 20 mm thick cement mortar (1:4) (1 cement: 4 coarse sand) confirming to IS-1443 including cutting to size, laying and joining with white cement slurry and colouring pigment to match the shade with typical half nosing and cutting grooves etc including cost of all labour, materials, royalties, loading and unloading, conveyance, sundries, watering and curing, etc. complete as per the direction of the Engineer-in-Charge. (Note- Sample of granite tiles shall be approved before procurement and use.)								
	Ground Floor					0	Sqm	₹ 3,188.00	
	First Floor					0	Sqm	₹ 3,221.20	
	Second Floor					0	Sqm	₹ 3,256.10	
	Third Floor					0	Sqm	₹ 3,292.70	
	Fourth Floor					0	Sqm	₹ 3,331.10	
	Fifth Floor					0	Sqm	₹ 3,371.50	
	SiXth Floor					0	Sqm	₹ 3,413.90	
26	Providing & laying granite stone flooring in Floors and landing using 19-20 mm thick granite stone slab of approved quality, colour and size above 0.4 Sqm as per IS 14223 laid over an under layer of 20 mm thick cement mortar (1:4) (1 cement: 4 coarse sand) confirming to IS-1443 including cutting to size, laying and filling the joints with white cement slurry mixed with colouring pigment to match the shade and colour, cleaning the surfaces including the cost of all materials, cost of all labour, conveyance, royalties, loading, unloading, sundries, watering and curing, T&P, etc. complete as per the direction of the Engineer-in-Charge. (Note- Sample of granite tiles shall be approved before procurement and use.)								
	Ground Floor	9.45				9.45	Sqm	₹ 3,131.70	29,594.57
	First Floor					0	Sqm	₹ 3,162.10	
	Second Floor					0	Sqm	₹ 3,194.00	
	Third Floor					0	Sqm	₹ 3,227.50	
	Fourth Floor					0	₹	3,262.70	
	Fifth Floor					0	₹	3,299.70	
	SiXth Floor					0	₹	3,338.50	
27	Providing & laying granite stone tiles in dado/skirting using 10mm thick granite stone slab of approved quality, colour and size upto 0.4 Sqm as per IS 14223 to proper line, level and slope laid over 12mm thick cement mortar (1: 3) confirming to IS IS-1443 including cutting to size, laying and filling the joints with white cement slurry mixed with colouring pigment to match the shade and colour, cleaning the surfaces including the cost of all materials, cost of all labour, conveyance, royalties, loading, unloading, sundries, watering and curing, T&P, etc. complete as per the direction of the Engineer-in-Charge. (Note- Sample of granite tiles shall be approved before procurement and use.)					0			
	Ground Floor					0	Sqm	₹ 2,524.60	
	First Floor					0	Sqm	₹ 2,568.30	
	Second Floor					0	Sqm	₹ 2,614.20	
	Third Floor					0	Sqm	₹ 2,662.30	
	Fourth Floor					0	Sqm	₹ 2,712.90	
	Fifth Floor					0	Sqm	₹ 2,766.00	
	SiXth Floor					0	Sqm	₹ 2,821.80	

28	Providing & laying kota stone slabs in floors using 16 mm thick kota stone slab of approved quality , colour and size above 0.10 Sqm laid over an under layer of 20 mm thick cement mortar (1:4) (1 cement : 4 coarse sand) confirming to IS-1443 including cutting to size, laying and filling the joints with white cement slurry mixed with colouring pigment to match the shade and colour, cleaning the surfaces including the cost of all materials, cost of all labour, conveyance, taxes, royalties, loading, unloading, sundries, watering and curing, T&P, etc. complete as per the direction of the Engineer-in-Charge. (Note- Sample of tiles shall be approved before procurement and use.)					0			
	Ground Floor					0	Sqm	₹ 1,285.20	
	First Floor					0	Sqm	₹ 1,315.50	
	Second Floor					0	Sqm	₹ 1,347.50	
	Mumty Floor					0	Sqm	₹ 1,381.00	
29	Providing & laying kota stone slabs in dado/Skirting using 16 mm thick Kota stone of approved quality, colour and size above 0.10 Sqm laid over an under layer of 12mm thick cement mortar (1:3) (1 cement: 3 coarse sand) confirming to IS-1443 including cutting to size, laying and filling the joints with white cement slurry mixed with colouring pigment to match the shade and colour, cleaning the surfaces including the cost of all materials, cost of all labour, conveyance, taxes, royalties, loading, unloading, sundries, watering and curing, T&P, etc. complete as per the direction of the Engineer-in-Charge. (Note- Sample of tiles shall be approved before procurement and use.)					0			
	Ground Floor					0	Sqm	₹ 1,563.10	
	First Floor					0	Sqm	₹ 1,606.70	
	Second Floor					0	Sqm	₹ 1,652.60	
	Mumty Floor					0	Sqm	₹ 1,700.80	
	BUILT IN JOINERIES					0			
27	Providing and fixing 65mm X 125mm factory made single extruded WPC (Wood Polymer Composite) solid door/window/Ceoseatory windows & other Frames/Chowkhat comprising of virgin PVC polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) fabricated with miter joints after applying PVC solvent cement and screwed with full body threaded star headed SS screws having minimum frame density of 750 kg/cum, screw withdrawal strength of 2200 N (Face) & 1100 N (Edge), minimum compressive strength of 58 N/mm2, modulus of elasticity 900 N/mm2 and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixed in position with M.S hold fast/lugs/SS dash fasteners of required dia and length complete as per direction of Engineer-In- Charge. Note: For WPC solid door/window frames, minus 5mm tolerance in dimensions i.e depth and width of profile shall be acceptable. Variation in profile dimensions on plus side shall be acceptable but no extra payment on this account shall be made.								
	Ground Floor	99.75				99.75	Rmt	₹ 1,185.40	118,243.65
	First Floor					0	Rmt	₹ 1,185.40	
	Second Floor					0	Rmt	₹ 1,185.40	
	Third Floor					0	Rmt	₹ 1,185.40	
	Fourth Floor					0	Rmt	₹ 1,185.40	
	Fifth Floor					0	Rmt	₹ 1,185.40	
	SiXth Floor					0	Rmt	₹ 1,185.40	
28	Supplying, fitting and fixing of 32mm thick flush door shutter with approved quality of 30mm thick BWR block board pasted with 1mm thick sunmica on both side of approved design and quality including cost of all door fittings and fixtures etc. complete					0			
	Ground Floor					0	Sqm	₹ 10,668.61	
	First Floor					0	Sqm	₹ 10,668.61	
	Second Floor					0	Sqm	₹ 10,668.61	
	Third Floor					0	Sqm	₹ 10,668.61	
	Fourth Floor					0	Sqm	₹ 10,668.61	
	Fifth Floor					0	Sqm	₹ 10,668.61	
	SiXth Floor					0	Sqm	₹ 10,668.61	
28	Providing and fixing of 30 mm thick factory made single extruded WPC (Wood Polymer Composite) solid plain flush door shutter of required size comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/cum and screw withdrawal strength of 1800 N (Face) & 900 N (Edge), minimum compressive strength 50 N/mm2, modulus of elasticity 850 N/mm2 and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixing with SS 304 Grade Matt Finished 3 Nos butt hinges of Size 100mm X 60mm X 2.5mm, 1 No 250mm X 16mm Aldrop, 1 No 150mm x 16mm tower bolt, 2 No 150mm length Door handle with necessary full body threaded star headed counter sunk S.S screws, floor/hanging door stopper & hydraulic door closer as required and mentioned in architectural drawing all as per direction of Engineer-In- Charge.								
	Ground Floor	139.28				139.28	Sqm	₹ 5,236.50	729,339.72
	First Floor					0	Sqm	₹ 5,236.50	
	Mumty Floor					0	Sqm	₹ 5,236.50	
1	Supplying and fitting-fixing of factory made single leaf rigid FRP (alternately called GRP) sandwich composite door shutter of 32mm thick laminated with two GRP skins with wood grain finish fabricated using UV-stabilised Isophthalic Gelcoat and one layer of 450 gsm E-glass Chopped Strand Mat (CSM) impregnated with orthophthalic polyester resin. The thickness of the skins shall not be less than 3.00 mm Expanded Polystyrene(EPS) structural foam panel of 29mm thickness and a density of 20kg/cu.mtr shall be used as core material. Wooden reinforcements made of seasoned sal wood block of cross section not less than 28mmx32mm and also necessary sal wood reinforcements for fitting the metal fittings such as tower bolts, aldrops, handles etc shall be provided. A structural adhesive compatible with (EPS) foam shall be used for bending the core material, the sal wood reinforcements and the skins. The material and process for manufacturing the door shutters shall conform to RV-TIFAC composites Design Centre's standards and specifications and the door shutters tested in conformation to IS: 4020-1998. The finish of door shutter will be plain colour white/ Ivory/ Beige/ Light grey/ Mahogany/ Teak wood or any other colour using high quality pigments. Three heavy whight mild steel butt hinges type-I(ISI marked) size 100mm are to be fitted on one side of shutter.					0			
	Ground Floor					0	Sqm	₹ 6,172.10	
	First Floor					0	Sqm	₹ 6,172.10	
	Second Floor					0	Sqm	₹ 6,172.10	
	Third Floor					0	Sqm	₹ 6,172.10	
	Fourth Floor					0	Sqm	₹ 6,172.10	
	Fifth Floor					0	Sqm	₹ 6,172.10	
	SiXth Floor					0	Sqm	₹ 6,172.10	

29	Providing and fixing factory made 2.5 track KOMMERLING UPVC white colour sliding window with SS mesh comprising of uPVC multi-chambered frame having section Frame 88mm x 49mm, Window sash: 37mm x 61mm, Bugmesh sash: 58mm x 32mm made out of lead free green profiles with comers fusion welded, fully reinforced with Galvanized steel 1.5 mm. The windows profile should fulfill the requirements of Viny 2010. The physical properties of the profiles like Vicat softening temperature, density, tensile strength, hardness, weatherability, impact strength and Modulus of Elasticity should be tested in accordance with ASTM/DIN-ISO standards and the thermal conductivity as per IS standards. The window comprising of uPVC extruded glazing beads of appropriate dimension, EPDM gasket, G.I fasteners 100 x 8 mm size for fixing frame to finished wall, plastic packers, plastic caps and necessary stainless steel screws 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. The sash will be fitted with 5mm clear glass					0			
	Ground Floor					0	Sqm	₹ 8,900.00	
	First Floor					0	Sqm	₹ 8,900.00	
	Second Floor					0	Sqm	₹ 8,900.00	
	Third Floor					0	Sqm	₹ 8,900.00	
	Fourth Floor					0	Sqm	₹ 8,900.00	
	Fifth Floor					0	Sqm	₹ 8,900.00	
	SiXth Floor					0	Sqm	₹ 8,900.00	
1	Supplying , fitting and fixing of two track UPVC sliding window of approved make with 6mm thick glass of approved quality complete with frame, shutters and all fitting and fixtures.. complete in all respect as per the direction of the Engineer-in-Charge.					0			
	Ground Floor					0	Sqm	₹ 4,960.97	
	First Floor					0	Sqm	₹ 4,960.97	
	Second Floor					0	Sqm	₹ 4,960.97	
	Third Floor					0	Sqm	₹ 4,960.97	
	Fourth Floor					0	Sqm	₹ 4,960.97	
	Fifth Floor					0	Sqm	₹ 4,960.97	
	SiXth Floor					0	Sqm	₹ 4,960.97	
1	Supplying ,fitting and fixing of openable UPVC door with of door frame of approved make with 6mm thick glass of approval quality complete with frame , shutter and all fitting and fixtures.					0			
	Ground Floor					0	Sqm	₹ 8,682.12	
1	Supplying, fitting and fixing of UPVC Partition Wall I60 Casement Series 1-OFF as per drawing and specification: Top member-6mm Tinted/Laminated/Colored/Clear Toughened Glass & Bottom member-PVC Sheet (12-18mm), Weight: 291.36 kg, Colour-White Dimension Type-Frame Size from R0, Frame Depth-60mm, Hinged Series-I60 Casement, Reinforcement-Full, Coupling 180-33mm/2108-3106+56016-10070, Window O/F-55mm/41101-11000+R1, Frame T/M-74mm/41101-12000/12100+56016-10001, T-Joins-Mechanical, Frame Mech-50502-11016, Connector-Shape 1, Bead Shape-Glazing Packer 16.5 x 77 x 5 mm, Cmmt GI Packer-No, Grill required-Supply & Install, Supply Type-280ml bottle, Silicon Sealant-No, Display Fixings-Face with drainage including scaffolding complete in all respect as per the direction of the Engineer-in-Charge.					0			
	Ground Floor					0	Sqm	₹ 4,142.68	
29	Supplying and fixing of Powder coated 50-60 microns approved colour of aluminium 40mm Casement series Door Unit with suitable aluminium extrude profiles. the system is designed to accommodate 12mm clear toughened glass. the rate quoted inclusive of hardwares like antilift, roller, Espag lock cum handle, epdm gaskets, T mullion, Fly Mullion, bottom adopter, mid transom, glazing clip for 12 mm glass felt along with all accessories etc complete. The gap between the wall and window will be filled with silicon weather sealant in the outer side. including the cost of all materials ,hardware fittings,cost of all labour, conveyance, loading, un loading, T&P, etc, complete as per the direction of Engineer-in Charge.(As per Proceeding of C.C.E. Level committee meeting held on dt. 12.02.2024 at 11.30 A.M.)								
	Ground Floor	4.32				4.32	Sqm	₹ 12,427.80	53,688.10
1	Providing and fixing 12 mm thick frame less toughened glass partition Dorma Premium (911298) PT 90 Side Connector and PT 80 Glass to glass Connector with Silicone,12mm Clear Toughened Glass with Cutout and Hole,including perimeter sealing of glass to glass joints with silicon sealant ,etc.as per drawing and specification including the cost of all materials ,T&P,etc all complete as per the direction of Engineer-in-Charge.					0			
	Ground Floor					0	Sqm	₹ 10,223.20	
1	Providing and fixing of 12mm thick Clear Toughened Glass Frameless Door With Dorma Premium Fittings. Dorma Premium (9111198) Unilite Package BTS 75 UL PT 10 with Cover, UL PT 20 with Cover UL US 10 Luck with Cover and PT. 24. Dorma Premium (9137121) H Type Handle 450mm, 12mm Clear Toughened Glass with Cutout and Hole including the cost of ali materials hardware fittings, cost of all labour, conveyance. loading, unloading. T&P, etc, complete as per the direction of Engineer-in-Charge					0			
	Ground Floor					0	Sqm	₹ 11,343.20	
30	Supplying, fitting and fixing of M.S. grill ,Grated doors etc made out of M.S. flats/square bars as per drawing and design fixed in position to proper plumb with cost, conveyance, Materials, labour, T&P etc. required for the complete in all respect as per the direction of Engineer-in-Charge.								
	Ground Floor	8202.65		3683.16		11885.81	Kg	₹ 99.37	1,181,092.94
	Terrace		946.80			946.8	Kg	₹ 99.37	94,083.52
	Second Floor					0	Kg	₹ 99.37	
	Third Floor					0	Kg	₹ 99.37	
	Fourth Floor					0	Kg	₹ 99.37	
	Fifth Floor					0	Kg	₹ 99.37	
	SiXth Floor					0	Kg	₹ 99.37	
	S.S Railing					0			
31	Supplying, fabricating & fixing of polished stainless steel (304 grade) items made out of pipes, angles, flats, plates, hollow tube, square pipe bracing as per approved design and specification, buffing, polishing etc. with cost, conveyance, labour in railing, parapet, staircase, space frame etc required for the work complete in all respect as per direction of Engineer-in-charge.								
	Ground Floor	468.01				468.01	Kg	₹ 343.80	160,901.84
	Terrace					0	Kg	₹ 343.80	
	Second Floor					0	Kg	₹ 343.80	
	Third Floor					0	Kg	₹ 343.80	
	Fourth Floor					0	Kg	₹ 343.80	
	Fifth Floor					0	Kg	₹ 343.80	
	SiXth Floor					0	Kg	₹ 343.80	

1	<p>G.R.C. JALI :-</p> <p>Providing and fixing Glass Reinforced Concrete (G.R.C) Screens in approved size pattern, design, shade and thickness of 50mm on frame and design element in 30mm thick have weight approximately between 3.5 4 Kg per Sq Ft and color of M/S UniStone make or equivalent. The above weight and thickness is considering dimensions of screens up to 2133mm in height and 1219mm in width and having at least 50% void space. The screens should be made from '53 grade' White Portland Cement manufactured by JK Cement' or equivalent, Quartz, Fine Silica Sand, Alkali Resistant Glass Fiber manufactured by 'N.E.G JAPAN or equivalent, Super Plasticizers manufactured by "BASF or equivalent Polymers manufactured by 'BASF or equivalent and UV resistant Synthetic inorganic pigments should be used for pigmentation manufactured by 'BAYFERROX (Germany) or equivalent. The material casting should take place in FRP Molds. The fixing of Screens should be 'Dry fixing' Le to be done with M.S Galvanized Clamps, fixtures and fasteners of Hilti / Fischer.</p>					0			
	Ground Floor					0	Kg	₹	8,711.30
	First Floor					0	Kg	₹	8,711.30
	Second Floor					0	Kg	₹	8,711.30
	TERACE/TOILET WATERPROOFING WORK					0			
32	<p>modified cementitious waterproofing coating over roof slab/Toilet after carrying out pond test on roof slab/Toilet, filling all defects, saturating the surface, mixing the products and then application in 2.0 mm thickness (1.8 Kg / sqm coverage rate for 1.0 mm thickness) in suitable layers complete in all respect, all materials, tools, plant & labour complete in all respect. Density 1850kg/m³ , Mix ratio (Powder to liquid) 3:1 by weight ,Water penetration Din 1048 1.5 Bar no leakage Potlife @ 25°C 2 hours & @ 40°C 30 minutes, Recoatable: 8-12 hours Elongation >42% (air) & >31% (under water), Tensile strength >20 kg/cm2 ,VOC content (HK prod code P10-17) 0.5 g/L including cost of all materials, conveyance, taxes and sundries, T&P, watering and curing by ponding water over terrace slab etc. complete as per the direction of the Engineer-in-charge.</p>					0			
	Ground Floor					0	Sqm	₹	543.60
	Terrace					0	Sqm	₹	543.60
	Second Floor					0	Sqm	₹	543.60
	Third Floor					0	Sqm	₹	543.60
	Fourth Floor					0	Sqm	₹	543.60
	Fifth Floor					0	Sqm	₹	543.60
	Sixth Floor					0	Sqm	₹	543.60
1	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.					0			
	Ground Floor					0	Sqm	₹	96.10
1	<p>Supplying and fixing of Colour coated galvalume metal sheets Zinc aluminum alloy coated, Not less than 150 gms/sq.m, having high tensile steel sheet (Fy 550 Mpa) of 0.5 mm minimum thickness (BMT). The outside face (exposed face) shall be permanently color coated with PVF-2 paint of minimum DFT 20 microns over primer and inner side (internal face) shall be coated with same paint of minimum DFT 12 microns ,Colour Coated Flashing & Ridge board with all fasteners and fixtures, scaffolding etc. complete at all heights as per drawings and specification including preparation of bill of materials & shop drawings. (Galvalume Sheets shall be of any reputed make including Kingspan Jindal/'Tata Blue Scope Steel Limited', 'Laj Color Leaf (P) Limited' Loyd Insulations etc.)</p>					0			
	Ground Floor					0	Sqm	₹	1,231.20
1	<p>Micro Concreting</p> <p>1. Surface Preparation</p> <p>Removing all loose and unsound concrete from the damaged area by mechanical means/manual chipping without damaging the parent concrete.</p> <p>Cleaning of reinforcement with rust remover to remove all loose rust and scale.</p> <p>2. Steel Protection</p> <p>Application of zinc-rich primer over cleaned reinforcement steel to prevent further corrosion.</p> <p>3. Bonding Coat</p> <p>Application of bond coat consisting of cement slurry mixed with SBR Latex (Dr. Fixit Pidicrete URP or equivalent) over the prepared surface to ensure proper bonding between old and new concrete.</p> <p>4. Repair Mortar / Micro Concrete</p> <p>Filling of repaired pockets with Polymer Modified Mortar (PMM) for small thickness repairs.</p> <p>For larger sections, use Dr. Fixit Micro Concrete to restore the structural profile.</p> <p>5. Waterproofing Test</p> <p>After repairs, carry out ponding test on the opposite surface of the roof slab to check for any leakage/seepage.</p> <p>6. Injection Grouting</p> <p>In case of observed seepage/leakage, carry out pressure injection grouting with suitable grout material (epoxy as specified) to arrest water ingress</p> <p>Complete as per the direction of the Engineer-in-Charge.</p> <p>(Note- Sample of materials shall be approved before procurement and use.)</p>					0			
	Ground Floor					0	Sqm	₹	3,891.00
1	<p>Groove cut the existing crack on concrete/masonry surface and remove all dust and loose particles, fill the cracks with Renderoc FC and inject the cracks by pressure grouting using Conbextra Cable Grout using PVC nozzles at speed less than 1 kg/cm2, Cut slits of 3 to 5mm width on the joints of crack line to depth of 15mm and 155mm on either side of crack, fill the groove with Renderoc SP40 and insert Nitoplate Crackfix plate having tensile strength >1000 MPA, fiber content 50 - 60% into the filled groove. Item rate is inclusive of materials all labour, tools and tackles, and transportation etc. complete as per specification and as directed by Engg.-in-charge. Payment shall be made as per actual site measurement.</p> <p>(Note- Sample of materials shall be approved before procurement and use.)</p>					0			
	all Floor					0	Rmt	₹	731.70
16	<p>Providing and fixing GI chicken wire mesh 24 gauge and 12 mm mesh and required width for construction joints and chasing in brick work for electrical conduits or water supply pipes including cement slurry and pegs/nails with nailing machine as required before pastering etc. complete as directed by the Engineer-in-charge.</p> <p>(Note- Sample of materials shall be approved before procurement and use.)</p>					0			
	all Floor					0	Rmt	₹	186.00
1	<p>Chequered Tiles 300mmx300mm of approved make, quality and colour without any warpage laid over an under layer of 20 mm thick base of cement mortar (1:4) (1 cement: 4 coarse sand) including cutting to size, laying and filling the joints with white cement slurry mixed with colouring pigment to match the shade and colour, cleaning the surfaces with oxalic acid, machine grinding, mirror polishing including the cost of all materials, cost of all labour, conveyance, royalties, loading, unloading, sundries, watering and curing, T&P, etc. complete as per the direction of the Engineer-in-Charge.</p> <p>(Note- Sample of tiles shall be approved before procurement and use.)</p>					0			

	Ground Floor					0	Rmt	₹	645.50	
1	Vetrified industrial floor Tile of premium grade having thickness 15mm to 16mm confirming to IS 4457 of size 600mmx600mm of approved make, quality and colour without any warpage laid over an under layer of 20 mm thick base of cement mortar (1:4) (1 cement: 4 coarse sand) including cutting to size, laying and filling the joints with white cement slurry mixed with colouring pigment to match the shade and colour, cleaning the surfaces with oxalic acid, machine grinding, mirror polishing including the cost of all materials, cost of all labour, conveyance, royalties, loading, unloading, sundries, watering and curing, T&P, etc. complete as per the direction of the Engineer-in-Charge. (Note- Sample of tiles shall be approved before procurement and use.) (Make:Somany/Jhonson/RAK/kajaria)					0				
	Ground Floor					0	Sqm	₹	1,997.40	
32	Finishing with Epoxy paint (Two or more coats) on steel work at all locations prepared and applied as per manufacturer's ecifications including appropriate priming coat (Red Oxide Zinc Chromate) , preparation of surface, etc. complete as per Direction of E.I.C.									
	Ground Floor					0	Sqm	₹	272.40	
1	Providing and fixing of 30 mm thick factory made single extruded WPC (Wood Polymer Composite) solid plain flush door shutter of required size comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/cum and screw withdrawal strength of 1800 N (Face) & 900 N (Edge), minimum compressive strength 50 N/mm2, modulus of elasticity 850 N/mm2 and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixing with SS 304 Grade Matt Finished 3 Nos butt hinges of Size 100mm X 60mm X 2.5mm, 1 No 250mm X 16mm Aldrop,1 No 150mm x 16mm tower bolt,2 No 150mm length Door handle with necessary full body threaded star headed counter sunk S.S screws, floor/hanging door stopper & hydrulic door closer as required and mentioned in architectural drawing all as per direction of Engineer-In- Charge.					0				
	Ground Floor					0	Sqm	₹	5,236.50	
17	Pressed Steel Doors With Vision Panel Supply installation of pressed steel doors of the specified dimensions and accessories such as hinges,door,stopper,tower bolt,door handle,door closer,dead lock,consedaed flush bolt,shaft lock,martise lock and vision panel etc.complete as mentioned along with warranty coverage and after sales service etc.inclusive of all costs,delivery charge,fixing,fitting and any other invidental charges etc.complete excluding GST 1. Hinges 2. Tower bolt 3. Door Stopper 4. Mortise Lock 5. Buffer (Make: Tata pravesh,Shaktihormann ETC)					0				
	Ground Floor					0				
	General Steeldoer Set 1000X2100 mm Single leaf door with vision panel					0	Each	₹	22,968.70	
	General Steeldoer Set 2,000.00X2,400.00 mm Double leaf door with vision panel					0	Each	₹	41,558.50	
#REF!	Supplying and fixing of 80mm thick cement concrete interlocking paver block of M-40 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP - 63:2018.					0	Sqm	₹	608.40	
2	Supplying and fixing of Pre cast kerb stone of size 300mm x 300mm x 150mm of M-30 grade of approved make, design, colour and size made by Block making machine with proper compaction fixed in required pattern etc. complete in all respect conforming to IS 5758:1984.					0	Nos	₹	162.56	
1	Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 10 mm and down gauge), including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design.					0	Rmt	₹	258.60	
2	Supplying and fitting-fixing of Un-plasticised Poly Vinyl Chloride (UPVC) Fixed window of approved make with 6mm thick glass of approved quality complete with frame, and all fitting and fixtures etc. complete in all respect as per the direction of the Engineer-in-Charge.					0	Sqm	₹	5,320.00	
3	Supplying and fitting-fixing of Un-plasticised Poly Vinyl Chloride (UPVC) Fixed Partition of approved make with 6mm thick glass of approved quality complete with frame, and all fitting and fixtures etc. complete in all respect as per the direction of the Engineer-in-Charge.					0	Sqm	₹	8,620.00	
4	Supplying, fitting and fixing of 5.5mm thick hexagonal Aluminium jally in windows as single groove, double groove and tapered clip as horizontal and vertical members for fixing of aluminium jally and joiting angle conforming to standrad Aluminium sections etc. complete as directed by the Engineer-in-charge.					0	Sqm	₹	1,841.00	
4	Supplying and fixing of Hospital Glow Letter Type Name Board (Acrylic) including cost of designing, material, machine cutting & labour for mounting complete in all respect as directed by the Engineer-in-Charge.(Rate Per Letter)					0	Nos	₹	3,750.00	
32	ACP Paneling - Designing, fabricating, testing, installing and fixing in position Curtain Wall with Aluminium Composite Panel Cladding, for all heights and all levels etc. including : Providing, fabricating and supplying and fixing panels of aluminium composite panel cladding in required shape in metallic colour of approved shades made out of 3mm thick aluminium composite panel material consisting of Aluminium sheet (0.25mm thick). The aluminium composite panel cladding sheet shall be coil coated, with PVDF coating of approved colour and shade as specified using stainless steel screws, nuts, bolts, washers, cleats, weather silicone sealant (Dowsil 789), backer rods etc.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. 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.10Years warrenty with MTC.	10.18				10.18	Sqm	₹	3,854.00	39,233.72

33	G.R.C. JALI - Providing and fixing Glass Reinforced Concrete (G.R.C) Screens in approved size pattern, design, shade and thickness of 50mm on frame and design element in 30mm thick have weight approximately between 3.5 Kg per Sq Ft and color of M/S UniStone make or equivalent. The above weight and thickness is considering dimensions of screens up to 2133mm in height and 1219mm in width and having at least 50% void space. The screens should be made from '53 grade' White Portland Cement manufactured by JK Cement' or equivalent, Quartz, Fine Silica Sand, Alkali Resistant Glass Fiber manufactured by 'N.E.G JAPAN or equivalent, Super Plasticizers manufactured by 'BASF or equivalent Polymers manufactured by 'BASF or equivalent and UV resistant Synthetic inorganic pigments should be used for pigmentation manufactured by 'BAYFERROX (Germany) or equivalent. The material casting should take place in FRP Molds. The fixing of Screens should be 'Dry fixing' i.e. to be done with M.S Galvanized Clamps, fixtures and fasteners of Hilti / Fischer. complete in all respect as per specification & direction of the Engineer-in-Charge.					0	Sqm	₹	5,928.70	
34	Gypsum Board False Ceiling - Providing fitting and fixing of gypsum board false ceiling with aluminium anodised T Section No. 3215 with 2'-0" center to center, L section No. 1705 upto 15 micron on 4 walls to be fixed by means of steel screw and P.V.C plug and the Aluminium grid 2'-0"x2'-0" suspended from ceiling etc complete in all respect as per specification & direction of the Engineer-in-Charge.					0	Sqm	₹	3,017.10	
35	Providing and fixing false ceiling with Trio/Hexa/Quadra UPVC Soffit Panels of approved make, shade, and finish, manufactured from high-quality virgin uPVC, suitable for interior use and resistant to moisture, termites, rot, and corrosion, including all materials and labour. The panels shall be fixed on a G.I. framework comprising galvanized iron channels, runners, supports, clamps, screws, anchors, and fasteners of adequate gauge, properly aligned, leveled, and securely fixed to the wall/structure. The work shall include supply of panels, G.I. components, trims, corner and edge profiles, joint covers, sealants, cutting, fixing, finishing, scaffolding, tools, and workmanship, ensuring neat joints and a uniform finish, complete in all respects as per manufacturer's specifications and directions of the Engineer-in-Charge.					0	Sqm	₹	4,778.30	
35	Providing and fixing wall panelling using Quadra /Hexa uPVC soffit panels of approved make, shade, and finish, manufactured from high-quality virgin uPVC, suitable for interior use and resistant to moisture, termites, rot, and corrosion, including all materials and labour. The panels shall be fixed on a G.I. framework comprising galvanized iron channels, runners, supports, clamps, screws, anchors, and fasteners of adequate gauge, properly aligned, leveled, and securely fixed to the wall/structure. The work shall include supply of panels, G.I. components, trims, corner and edge profiles, joint covers, sealants, cutting, fixing, finishing, scaffolding, tools, and workmanship, ensuring neat joints and a uniform finish, complete in all respects as per manufacturer's specifications and directions of the Engineer-in-Charge.					0	Sqm	₹	4,724.20	
	Supply and fixing WPC Louvre of 2440 x 190 x 24mm having 55% wood powder and 30% HDPE: density of 1.425gm/cm3: tensile strength of 29Mpa: modulus of elasticity of 3500 Mpa: coefficient of thermal expansion 6 x 10 ⁻⁵ 1/K and having anti-termite properties to be fixed with 25mm x 50mm x 1mm aluminum hollow section on the back of the Louvre with a girth work of 400mm gap center to center with all Labor, material, wastage, etc - all complete at site and directions of the Engineer-in-Charge.					0	Sqm	₹	7,164.10	
36	Supplying, fitting and fixing of grid mineral fibre ceiling board having size 600 mm x 600 mm x 16mm of approved design and quality complete with frame and all fitting and fixtures.					0	0.00	₹	1,604.00	
	Providing, fitting and fixing of Sikadur Combiflex SG 20P 200 and sealed by Sikadur 31C @ 1.4kg per meter over the expansion joints after cleaning the joints and applying of Sikadur 32 @ 200 gms per meter Epoxy bonding agent and levelled by Sikagrout 214 @ 8kg per meter and covered with 300mm wide 16 gauge Aluminium sheet complete including cost, conveyance, taxes of all materials, labour, transportation charges etc as per specification and direction of the Engineer-in-charge.					0				
35	Providing & fixing G.C.I. Sheet in roof including fixing of ridges wind ties etc. complete but excluding cost of fitting including drilling holes in wind ties etc. complete as per the direction of the Engineer-in-Charge. (Note- Sample shall be approved before procurement and use.)					0	Sqm	₹	641.50	
	BWP 710 Grade Plywood & Mica Work - Making and fixing plywood work as per drawing and specification (main Str./body 18-19mm, doors 12-15mm, back panel 6-9mm thickness) with mica finishing for cupboard/racks/shelves/wardrobe with all necessary accessories i.e. metal handles, hinges, clamps, locks and screws etc. of approved quality including cost of all materials, labour & T&P etc complete as per direction of the Engineer-in-charge.					0	Sqm	₹	11,110.70	
36	Ply Board & Mica Work :- Ply work with mica Finishing including cost of all materials, labour & T&P etc complete as per direction of the Engineer-in-charge.					0	Sqm	₹	5,456.00	
1	Providing and applying two coats Unilit's 'Rodeo' make or 'Asian Paints' in approved shade on a smooth cement sand plaster. The composition of the texture paint should consist of Acrylic Copolymer Resins combined with Quartz, Silica, mineral aggregates, synthetic inorganic pigments, bactericide, fungicides and various other additives, giving the product water repellent properties. The first coat to be applied by brush or wool roller as a base coat, diluted with sufficient water and the final coat (Undiluted) to be applied by trowel and finished with acrylic trowel to obtain specified grooves. The thickness of both coats should be 1.0 to 1.5mm. The water repellence of the product is 86 gm/m2 as per test method IS: 5410 -1969. required for the work all complete as per direction of Engineer-in-charge.					0	Sqm	₹	1,159.20	
37	Providing and executing mural painting work on the specified wall surface using high-quality, weather-resistant acrylic/emulsion paints of approved make and shade, including surface preparation by cleaning, scraping, minor crack filling, smoothing, and application of primer as required. The mural artwork shall be concept-based, aesthetically appealing, and executed by skilled artists as per approved design, theme, color scheme, and drawings, ensuring uniform finish, sharp detailing, and long-lasting color fastness. The work shall include all materials, labour, scaffolding, tools, protection of surrounding areas, and finishing complete in all respects as directed by the Engineer-in-Charge.					0	Sqm	₹	1,568.00	
37	Heavy Duty Rope Clothesline Ideal for Drying Heavy Clothes 4 mm Thickness Nylon Clothesline White.					0	Sqm	₹	29.00	
	Supplying and fixing of Hospital Glow Letter Type Name Board (Acrylic) mentioning "VASTALYA SADAN " size as per specification including cost of designing, material, machine cutting & labour for mounting complete in all respect as directed by the Engineer-in-Charge.					0	Job	₹	70,000.00	
	Supplying and fixing of Hospital Glow Letter Type Name Board (Acrylic) mentioning "REGISTRATION COUNTER" size as per specification including cost of designing, material, machine cutting & labour for mounting complete in all respect as directed by the Engineer-in-Charge.					0	Job	₹	75,000.00	
	Supplying and fixing Rain Water Harvesting System including gutters, pipes, filters, and storage tanks, machineries, as well as installation charges etc complete as directed by the Engineer-in-charge.					0	Job	₹	50,000.00	
	Supplying Master Layout Map in vinyl printing cum pasting colored pictures, text and symbols including fixing, installing and transportation complete as per the direction of the Engineer-in-charge.					0	Sqm	₹	1,650.00	

1	Providing and supplying aluminium extruded tubular and other aluminium sections as per the architectural drawings and approved shop drawings, the aluminium quality as per grade 6063 T5 or T6 as per BS 1474, including super durable powder coating of 60-80 microns conforming to AAMA 2604 of required colour and shade as approved by the Engineer-in-Charge. (The item includes cost of material such as cleats, sleeves, screws etc. necessary for fabrication of extruded aluminium frame work. Nothing extra shall be paid on this account).					0	Kg	₹	338.25	
2	Designing, fabricating, testing, protection, installing and fixing in position semi (grid) unitized system of structural glazing (with open joints) for linear as well as curvilinear portions of the building for all heights and all levels, including: (a) Structural analysis & design and preparation of shop drawings for the specified design loads conforming to IS 875 part III (the system must passed the proof test at 1.5 times design wind pressure without any failure), including functional design of the aluminum sections for fixing glazing panels of various thicknesses, aluminium cleats, sleeves and splice plates etc. gaskets, screws, toggles, nuts, bolts, clamps etc., structural and weather silicone sealants, flashings, fire stop (barrier)-cum-smoke seals, microwave cured EPDM gaskets for water tightness, pressure equalisation & drainage and protection against fire hazard including: (b) Fabricating and supplying serrated M.S. hot dip galvanised / Aluminium alloy of 6005 T5 brackets of required sizes, sections and profiles etc. to accommodate 3 Dimensional movement for achieving perfect verticality and fixing structural glazing system rigidly to the RCC/ masonry/ structural steel framework of building structure using stainless steel anchor fasteners/ bolts, nylon separator to prevent bimetallic contacts with nuts and washers etc. of stainless steel grade 316, of the required capacity and in required numbers. (c) Providing and filling, two part pump filled, structural silicone sealant and one part weather silicone sealant compatible with the structural silicone sealant of required bite size in a clean and controlled factory / work shop environment, including double sided spacer tape, setting blocks and backer rod, all of approved grade, brand and manufacture, as per the approved sealant design, within and all around the perimeter for holding glass. (d) Providing and fixing in position flashings of solid aluminium sheet 1 mm thick and of sizes, shapes and profiles, as required as per the site conditions, to seal the gap between the building structure and all its interfaces with curtain glazing to make it watertight.					0	Sqm	₹	2,866.10	
	Extra for openable side / top hung vision glass panels (IGUs) including providing and supplying at site all accessories and hardware for the openable panels as specified and of the approved make such as heavy duty stainless steel friction hinges, min 4 -point cremone locking sets with stainless steel plates, handles, buffers etc. including necessary stainless steel screws/ fasteners, nuts, bolts, washers etc. all complete as per the Architectural drawings, as per the approved shop drawings, as specified and as directed by the Engineer- in-Charge.					0	Sqm	₹	2,997.60	
	Providing, assembling and supplying vision glass panels (IGUs) comprising of hermetically-sealed 6-12- 6 mm insulated glass (double glazed) vision panel units of size and shape as required and specified, comprising of an outer heat strengthened float glass 6mm thick hard coated low emmissivity glass, of approved colour and shade with reflective soft coating on surface # 2 of approved colour and shade, an inner Heat strengthened clear float glass 6mm thick, spacer tube 12mm wide, dessicants, including primary seal and secondary seal (structural silicone sealant) etc. all complete for the required performances, as per the Architectural drawings, as per the approved shop drawings, as specified and as directed by the Engineer-in-Charge. The IGUs shall be assembled in the factory/ workshop of the glass processor." (Payment for fixing of IGU Panels in the curtain glazing is included in cost of item No.26.2)" For payment, only the actual area of glass on face # 1 of the glass panels (excluding the areas of the grooves and weather silicone sealant) provided and fixed in position, shall be measured in sqm." (i) Coloured tinted float glass 6mm thick substrate with reflective soft coating on face # 2, + 12mm Airgap + 6mm Heat Strengthened clear Glass of approved make having properties as visible Light transmittance (VLT) of 25 to 35 %, Light reflection internal 10 to 15%, light reflection external 10 to 20 %, shading coefficient (0.25- 0.28) and U value of 3.0 to 3.3 W/m2 degree K etc. The properties of performance glass shall be decided by technical sanctioning authority as per the site requirement.					0	Sqm	₹	3,036.10	
	Providing and fixing ISI Marked insulated fire rated door confirming to IS 3614: 2021, & tested to IS17518, and shall carry a unique label with certification/test report number. The fire rating shall be for 120minutes integrity and 30minutes insulation. Material shall be galvanised steel conforming to IS 277, made out of minimum 1.2 (18 SWG) for both frame and shutter, G.I. sheet (zinc coating 120 gsm). Frame shall be 125 x 75 grooved step profile with built in rebate for fire rated smoke seal. Frame shall be mitered and field assembled. EPDM smoke seal to be provided along with frame as standard. Door shutter shall be double skin of 60mm thick step with required fire rating and insulation with vision panel. The infill material shall be high density mineral wool of minimum 120kg/sq.m3. Intumescent seal shall be provided on all around the door leaf of minimum size 15 x 1.5mm thick. All doorset shall be factory prepped for receiving appropriate hardware and provided with necessary reinforcement for hinges, locks and door closers. The door stiles should be interlocked, for pairs of doors integral astragals has to be provided on the meeting stile for both active and inactive leaf. Vision lite, minimum 5mm clear fire rated glass of size 200 x 300mm (max 0.06sq.mt) on shutter, fixing with clipon arrangement. All frame and door shutter shall be finished polyester powder coated to minimum 50microns, of approved colour as per the direction of the engineer incharge. Cost of doorset shall include following hardware and accessories as a complete assembly. SS ball bearing hinges of SS304 grade of size 100x75x3mm, 1 set Panic device for double leaf doorset and external trim with key cylinder tested as per EN1125 and CE marked. 1no Door closer per leaf with spring size of EN 3-5, as per EN1154 & CE marked, 1no door door coordinator also be given in case of double leaf door. Suitable anchor fastners for fixing on different type of wall construction as per manufacturer recommendation. Once frames is installed it shall be filled with fire rated PUF. Manufacturer test certificates shall covers complete door set as a latched assembly with a valid test certificate not exceeding 5 years from the date of issue of report. for more info refer doors details drawing. Approved make : Shakti Hormann, MPP, Godrej, Promat					0	Sqm	₹	23,880.00	
	Providing and fixing of Standard Duty Hollow Metal Door Frame and Flush Door Shutter of approved make such as Shakti Hormann, conforming to IS 4351 for steel door frames and IS 2191 (Part-II) for shutters, manufactured in an ISO 9001:2015 certified facility. The door frame shall be single rebate grooved profile of size 125 x 55 mm fabricated from 1.2 mm (18 gauge) thick galvanized steel sheet conforming to IS 277, suitable for 40 mm thick shutter, with mitered corners, self-tab assembly, inbuilt groove for PVC sealing system, mortised, drilled and tapped for hardware, complete with back plate brackets, anchor fasteners for fixing in finished plastered masonry openings, filled with non-fire rated PUF and gaps sealed with silicone sealant. The door shutter shall be 40 mm thick fully flush type with tubular core chipboard infill, faced on both sides with minimum 3 mm thick calibrated pre-laminated fibre board of minimum density 850 kg/m³ in approved shade, with minimum 40 mm wide LVL rails and stiles, all edges finished with 0.8 mm thick PVC edge banding using PUR hot melt adhesive, factory pre-engineered for hardware fixing, complete with all materials, labour, transportation, fitting and fixing in position including PVC seal, approved hardware provisions and finishing in GRAINTEK texture/wood stain/powder coated finish as specified, complete in all respects as per direction of Engineer-in-Charge.					0	Sqm	₹	9,285.00	

[illegible]

A.	INTERNAL P.H. & SANITARY WORK				
Sl. No.	Description of work	Unit	Qty.	Rate	Amount Rs.
1	Providing and fixing Chlorinated Polyvinyl Chloride [CPVC] pipes SDR-11 conforming to IS:15778, having thermal stability for hot & cold water supply , including all CPVC plain & brass threaded fitting including fixing the pipe with clamps at 1.00m spacing . This includes jointing of pipes and fittings with one stp CPVC solvent cement and testing of joints complete as per specification and direction of Engineer-in-charge.				
	20 mm PVC sch-80 pipes	Mtr	70.0	307.60	21532.00
	25 mm PVC sch-80 pipes	Mtr	70.0	426.80	29876.00
	32 mm PVC sch-80 pipes	Mtr	100.0	587.20	58720.00
	50 mm PVC sch-80 pipes	Mtr	120.0	1201.50	144180.00
2	Supplying all materials,labour and T&P for cutting holes through existing brick work including making good to the same in cement mortar(1:4) for taking G.I. pipes and fittings /P.V.C. pipes and fittings all complete as per specification.				
	250mm Thick	Each	38.0	67.00	2546.00
3	Supplying all materials,labour and T&P for cutting holes in R.C.C. floors and roofs up to 19 cm. thick including for passing GI / PVC pipes and fittings etc. and repairing the holes after insertion of pipes etc. with cement concrete 1:2:4 including finishing complete to make it leak proof leak to the damages all complete as per specification and direction of the Engineer-in-charge.				
		Each	7.0	218.80	1531.60
4	Supplying all materials,labour and T&P for cutting groves in pucca floor and walls for taking G.I. pipes and fittings /P.V.C. pipes and fittings and making good to the damages all complete as per specification.				
		Mtr	70.0	273.40	19138.00
5	Supplying all materials, labour T&P and fitting and fixing brass/CP fittings of the following nominal bore with supply of all jointing materials complete as per specification and direction of the Engineer-in-charge.				
a)	Supplying all labour and T&P for fixing 2 in 1 bib cock of the following size as per specification all complete.				
		Each	16.0	1308.30	20932.80
b)	Supplying all labour and T&P for fixing long body bib cock of the following size as per specification all complete.15mm Dia				
		Each	4.0	1078.20	4312.80

Sl. No.	Description of work	Unit	Qty.	Rate	Amount Rs.
c)	Supplying all labour and T&P for fixing CP Angular stop cocks polished bright confirming to IS:781-1995 of the following nominal sizes as per specification all complete. 15mm Dia				
		Each	28.0	937.60	26252.80
d)	Supplying fitting fixing of C.P Pillar Taps highpressure lettered Hot and cold with long screws shanks and back nuts of the following nominal bore as per specification. (Make-Somany/Cera/Hindware) 15mm Dia				
		Each	17.0	1475.00	25075.00
e)	Supplying all labour and T&P for fixing CP short body Bib cock [taps] polished bright confirming to IS:781-1995 of the following nominal sizes as per specification all complete .				
		Each	3.0	915.50	2746.50
f)	Supplying all labour and T&P for fixing U.P.V.C Ball valve [horizontal plungr type] confirming to IS:1703-1977 of the following nominal sizes as per specification all complete.) 25mm Dia	Each	6.0	687.10	4122.60
g)	Supplying all labour and T&P for fixing U.P.V.C Ball valve [horizontal plungr type] confirming to IS:1703-1977 of the following nominal sizes as per specification all complete. 32mm Dia	Each	4.0	1421.60	5686.40
h)	Supplying all labour and T&P for fixing U.P.V.C Ball valve [horizontal plungr type] confirming to IS:1703-1977 of the following nominal sizes as per specification all complete. 50mm Dia	Each	2.0	3125.10	6250.20
i)	Providing and fixing C.P. Brass Extension Nipple 1 inch with extension piece as per direction of Engineer-in-charge.	Each	15.0	594.39	8915.85
j)	Supplying fitting fixing of CP waste of the following noninal diameter for wash hand basin and sink as per specification.	Each	14.0	380.10	5321.40
k)	Supplying all materials,labour and T&P for fixing CP Gratings of the following nominal diameter of outlet, of self cleaning design with sand cast iron screwed down or hinged grating with or without vent arm including cutting and making good to the walls and floors etc. all complete as per specification.				
		Each	38.0	1190.40	45235.20

Sl. No.	Description of work	Unit	Qty.	Rate	Amount Rs.
1)	Providing and fixing of approved make and model for Chrome plated Grab Bar, for Physically challenged toilet, The work shall include the cutting of walls or floors & making good, complete as per direction of Engineer in Charge.				
		Each	1.0	4387.44	4387.44
6	Supplying fitting fixing of C.P health faucet high pressure lettered Hot and cold with long screws shanks and back nuts of the following nominal bore as per specification.				
	15mm dia CP Health Faucet of 1mtr long PVC tube				
		Each	8.0	809.80	6478.40
7	Providing and fixing of Rational moulded polyethylene cylindrical vertical water storage tanks confirming to IS:12701-1996 including cutting holes through the tank and fixing mild steel tubes and fittings and providing extra sockets and jam nuts, fixing ball valve etc. including hoisting up to a height of 5.00m above ground level and placing the tank to the required position etc. all complete as per specification and direction of the engineer-in-charge.				
i)	Overhead water storage tanks	Lit.	8000.0	13.59	108753.92
ii)	Extra over item no.3.1.8 for hoisting Rational moulded polyethylene cylindrical vertical water storage tanks of following sizes for every additional height of 5.00m. Or part thereof complete as per specification and direction of the engineer-in-charge.				
	Water storage tanks	Each	4.0	1248.00	4992.00
8	Supplying all materials, labour, T&P and fitting and fixing U-PVC SWR soil waste ventilating pipes and fittings of the following outside diameter conforming to ISI No 13592/1992 to walls with nails, bobbins and wooden plugs or laying in trenches including jointing with supply of approved rubber lubricant by non-heat application method/as per manufacturer's specification, testing, earthwork in excavation in all kinds of soil and refilling of trenches as per specification and direction of the Engineer-In-Charge.				
	110mm diameter PVC SWR pipes	Mtr	105.0	391.30	41086.50
	75mm diameter PVC SWR pipes	Mtr	90.0	242.90	21861.00
	110mm PVC door Tee	Each	12.0	388.60	4663.20
	75mm PVC door Tee	Each	5.0	293.00	1465.00
	110mm PVC offset	Each	10.0	138.00	1380.00
	110mm PVC door bend	Each	10.0	216.40	2164.00
	75mm PVC door bend	Each	10.0	114.10	1141.00
	110mm PVC plain shoe bend	Each	10.0	170.80	1708.00
	75mm PVC plain shoe bend	Each	10.0	83.20	832.00
	110mm PVC vent cowl	Each	10.0	86.60	866.00
	75mm PVC vent cowl	Each	0.0	73.00	0.00
	110mm S-trap	Each	12.0	629.70	7556.40
	110mm P-trap	Each	1.0	348.20	348.20

Sl. No.	Description of work	Unit	Qty.	Rate	Amount Rs.
	110mm SWR Pipe Clip	Each	105.0	30.40	3192.00
	75mm SWR Pipe Clip	Each	90.0	23.40	2106.00
	110/75 mm Dia Reducer/Connector	Each	5.0	258.50	1292.50
	90mm Nahani Trap	Each	33.0	145.60	4804.80
9	Supplying all materials,labour and T&P for fixing of PVC 10 ltr capacity low level flushing cistern with manually controlled device[handle cover] confirming to IS 7231 with fittings and fixtures etc. all complete as per specification.				
	10 Liters capacity PVC cistern				
		Each	16.0	1954.30	31268.80
10	Supplying all materials,labour and T&P for fixing water closet ,squatting pan(Indian type.W.C.pan or Orissa pan) confirming to IS 2556 : Part-3-2004 duly embedded in cement concrete (1:4:8) using 40mm.nominal size h.b.g. chips [including foot rest for I.W.C. and trap] all complete as per specificationand directon of theEngineer - in - charge.				
		Each	8.0	3837.70	30701.60
11	Supplying all materials,labour and T&P for fixing in cement mortar (1:3) a pair of white vitereous china (250x130x30mm.) foot rest for squatting water closet. etc. all complete as per specificationand direction of the Engineer-in-charge.				
		Pair	8.0	560.90	4487.20
12	Supplying all materials,labour and T&P for Supplying all materials,labour and T&P for fixing wash down water closet (European type W.C.) with integral "S" or "P" trap tothe floor with wooden plug and chromium plated screw including jointing the trap with soil pipe in cement mortar (1:1) etc. all complete as per specification.				
		Each	7.0	3175.60	22229.20
13	Supplying all materials,labour and T&P for fixing plastic seat and cover for wash down water closet with chromium plated brass hinges and rubber buffers all complete as per specification.				
		Each	7.0	923.40	6463.80
14	Supplying all materials,labour and T&P for fixing wash hand basin (SS Made) with hole for pillar taps confirming to IS 2556:part4-2004 with cast iron /M.S. brackets painted white including cutting holes in walls and making good to the damages etc. all complete as per specification.				

Sl. No.	Description of work	Unit	Qty.	Rate	Amount Rs.
		Each	12.0	4599.30	55191.60
15	Supplying all materials,labour and T&P for fixing corner wash hand basin with hole for pillar taps confirming to IS 2556:part4-2004 with cast iron /M.S. brackets painted white including cutting holes in walls and making good to the damages etc. all complete as per specification.				
		Each	4.0	2666.60	10666.40
16	Supplying all materials,labour and T&P for fixing Pedestal for wash hand basin complete recessed at the back for the reception of pipe and fittings etc. all complete as per specification including cost of pedestal for wash basin				
		Each	4.0	2621.90	10487.60
17	Supplying all materials,labour and T&P for fixing of 600x450 bevelled edge mirror of superior glass mounted on 6mm thick ac sheet or ply wood sheet and fixed to wooden plugs with chromium plated brass screws and washers etc. All complete as per specification .				
	600mmx450mm size B.E.mirror				
		Each	12.0	2167.70	26012.40
18	Supplying all materials,labour and T&P for fixing standard size glass self with chromium plated brass brackets fixed to wooden plugs with chromium plated brass screws and washers etc. all complete as per specification.				
		Each	13.0	801.70	10422.10
19	Supplying all materials,labour and T&P for fixing standard size C. P. towel rail fixed with chromium plated brass brackets fixed to wooden plugs with chromium plated brass screws complete as per specification.				
		Each	8.0	1080.10	8640.80
20	Supplying all materials,labour and T&P for fixing of chromium plated brass soap dish complete with chromium plated brass brackets fixed to wooden plugs with chromium plated brass screws as per specification.				
		Each	16.0	354.40	5670.40
21	Supplying all materials,labour and T&P for fixing standard size C. P. towel ring fixed fixed to wooden plugs with chromium plated brass screws complete as per specification.	Nos	16.0	546.80	8748.80

Sl. No.	Description of work	Unit	Qty.	Rate	Amount Rs.
22	Supplying all materials,labour and T&P for fixing of liquid soap container - glass container or plastic container with chromium plated brass lid and brackets fixed to wooden plugs with chromium plated brass screws as per specification.	Nos	4.0	1768.50	7074.00
23	Supplying all materials,labour and T&P for fixing stainless steel AISI 304 [18/8] Kitchen sink as per IS 13983 with cast iron bracet and stainless steel plug including painting of fittings and brackets ,cutting and making good to the walls etc. all as per specification including cost of sink with all accessories.				
		Nos	2.0	6159.20	12318.40
24	Supplying all labour and T&P for fixing CP Concealed stop cocks polished bright confirming to IS:781-1995 of the following nominal sizes as per specification all complete.	Each	8.0	1124.00	8992.00
25	Supplying all materials,labour and T&P for fixing Porcelain Urinal respectively with waste pipe by means of white lead mixed with chopped hemp etc. all complete as per specification.	Each	8.0	7594.20	60753.60
26	Fixing standard size Chromium Plated brass or glazed porcelain Toilet paper holder fixed to woden plugs with Chromium Plated brass screws complete as per specification and direction of the Engineer in charge.	Each	2.0	1190.30	2380.60
27	Providing and fixing approved quality E.W.C Matrix Set with grab bar set for Handicap (Accessible) Toilet consisting of stainless steel grab bars and support fittings required for differently-abled users, conforming to universal accessibility standards. The set shall include wall-mounted horizontal and vertical support bars near WC and wash basin area, made of SS 304 grade stainless steel with satin/matt finish, complete with necessary brackets, anchor fasteners, screws, bends, end caps, and accessories. The arrangement shall provide safe support and ease of movement for wheelchair users and physically challenged persons. Installation shall be done in proper alignment, level, and position as per approved drawings and accessibility guidelines, complete in all respects as per the direction of the Engineer in charge.	Each	1.0	79800.00	79800.00

	Total Rs.				1055762.81

B.	EXTERNAL P.H. & SANITARY WORK				
Sl. No.	Description of Work	Unit	Qty	Rate	Amount Rs.
1	Supplying all materials, labour, T & P and constructing Gully trap chamber of the following inside size with 8 cm thick R.C.C. precast cover slab in CC (1:2:4) mix using 12mm size h.g. chips, foundation concrete (1:4:8) using 40mm size h.g. metal on bed around trap, Fly Ash brickwork in CM (1:6) in P&F and inside 12mm thick cement plastering (1:3) finished with a floating coat of neat cement including fixing 100mm x100mm size gully trap, 150mm x150mm C.I gratig etc. all complete as per aproved drawing, specification and direction of Engineer-in-charge.				
	250mmx250mm with RCC cover	Each	10.00	1696.50	16965.00
2	Constructing inspection chamber with R.C.C top slab in (1:2:4) mix, foundation concrete (1:3:6), inside plaster 12mm thick with cement mortar (1:3) finished with neat cement punning, 12mm thick outside cement plaster (1:3), brick work with K.B bricks having crushing strength not less than 75kg/cm ² with dimensional tolerance \pm 8 percent in cement mortar (1:5), cement concrete (1:2:4) finished smooth using 12mm size h.g chips, earthwork in excavation in all kinds of soil and refilling the cavity around the chamber complete as per specification.				
	Inspection Chamber inside size 750mm x 750mm and 450mm	Each	8.00	13297.50	106380.00
3	Supplying all materials,labour and T&P for laying in trenches unplasticized PVC pipes and specials of the following outside dia. for all classes including jointing with approved solvent cement by non-heat application method including testing as per specification and direction of Engineer-in-charge etc. all complete. [including earth work and cost of pipes.				
a)	110 mm dia U-PVC pipes Class-3	mtr	60.00	988.30	59298.00
b)	160 mm dia U-PVC pipes Class-3	mtr	30.00	2109.60	63288.00
4	Constructing manholes with R.C.C top slab in (1:2:4) mix, foundation concrete (1:3:6), inside plaster 12mm thick with cement mortar (1:3) finished with neat cement punning, 12mm thick outside cement plaster (1:3), brick work with K.B bricks having crushing strength not less than 75kg/cm ² with dimensional tolerance \pm 8 percent in cement mortar (1:5), cement concrete (1:2:4) finished smooth using 12mm size h.g chips, earthwork in excavation in all kinds of soil and refilling the cavity around the chamber complete as per specification.				
a)	Plain Manholes inside size 900mm x 800mm and 450mm deep	each	8.00	17771.70	142173.60
5	Construction of 50 Users Septic Tank (2 No.s)				
a)-i	Earth work in excavation in foundation trenches, column foundation, pit, etc in all kind of soil including moorum stony earth and earth mixed with boulders except sheet rock and boulders not requiring blasting including dressing of sides and levelling the bed up to the required depth and depositing the excavated materials away from the work site with initial lead of 50 mtr and all lifts, including shoring, shuttering & dewatering (if required) with cost of labour, labour cess, hire & running charges of all machineries, sundries & T&P required for the work complete as directed by the Engineer in charge.	Cum	56.88	311.50	17718.12
a)-ii	Above 1.5mt. Depth	Cum	47.57	334.00	15887.71
b)	Filling the Plinth with excavated materials (excluding rock), in layers not exceeding 0.225 m in depth including cost of watering, ramming, dressing and levelling the top to proper level & gradient, cost of labour, conveyance, loading, unloading, T&P, etc, all complete as per the direction of Engineer-in-Charge.	Cum	70.71	173.10	12240.13
c)	Supplying and Filling with Sand in Foundation and Plinth in layers not exceeding 20 cm in depth, well watered and compact, top surface dressed and levelled to proper level and gradient including cost of all materials, conveyance, royalties, loading, unloading, cost of all labour, T&P, etc.All compelete as per the dirrection of Engineer-in-charge.	Cum	2.96	541.40	1601.46

Sl. No.	Description of Work	Unit	Qty	Rate	Amount Rs.
d)	Providing and lying Plain Cement Concrete of proportion (1:4:8) in foundation & floor using 40 mm & down grade black hard crusher broken granite stone metal, washed and screened sharp sand of approved quality from approved quarry including hoisting, lowering, laying the concrete, ramming, watering and curing etc. complete to required thickness including cost of all materials, conveyance, loading, unloading, royalties, taxes, cost of labours, T&P, hire & running charges of concrete mixer, etc. all complete as per the direction of the Engineer -in -charge.	Cum	2.96	5465.00	16165.47
e)	Providing and lying Plain Cement Concrete of proportion (1:3:6) in foundation & floor using 40 mm & down grade black hard crusher broken granite stone metal, washed and screened sharp sand of approved quality from approved quarry including hoisting, lowering, laying the concrete, ramming, watering and curing etc. complete to required thickness including cost of all materials, conveyance, loading, unloading, royalties, cost of labours, T&P, hire & running charges of concrete mixer, etc. all complete as per the direction of the Engineer -in -charge.	Cum	3.92	5850.30	22956.58
f)	Providing 12mm thick cement plaster in cement mortar (1:4) with neat cement punning including racking out joints, scraping and cleaning the surface and finishing the plaster surface smooth using wooden floats, bars, etc only to proper plumbs and level and making grooves, beads and drip coarse to give required ornamental finish as per drawings including cost of all materials, conveyance, loading and unloading, taxes, royalties, cost of all labour, scaffolding, staging, watering before plastering and curing, sundries and T&P, etc. complete as per direction of the Engineer-in-charge.	Sqm	15.84	210.00	3326.40
g)	Providing, lifting, hoisting and laying in position machine batched , machine mixed and machine vibrated design mix cement concrete of M-25 Including the cost of Centering and Shuttering (minimum cement content not less than 403 Kg/Cum) grade in reinforced cement concrete structural elements using black hard crusher broken granite chips of approved quality from approved quarry including mixing and compacting to proper shape and size, level and plumbs and finishing the exposed surfaces smooth including the cost of all materials, cost of labour, conveyance, loading, unloading, royalties, watering and curing for the required period, T&P , hire & running charges of concrete mixer and vibrator, cost of Admixtures in recommended proportions (as per IS 9103) to accelerate, retard setting of concrete, improve workability without impairing strength and durability etc. complete as per the direction of the Engineer-in-charge but <u>excluding the cost of steel reinforcement</u>				
i.	Base	Cum	5.47	6736.80	36823.35
ii.	Slab	Cum	4.64	12515.60	58122.45
iii.	Wall	Cum	21.33	11799.90	251727.27
h)	Providing & fixing TOR Fe-500 HYSD Reinforcement bars of required diameter and approved quality for Reinforced Cement Concrete work including straightening, cutting, bending, binding, welding(if approved) , joining (if necessary), tying the grills, hoisting, lowering and placing in position as per the approved design & drawings (BBS) with provision of standard fan hooks including the cost of all materials, cost of all labour, conveyance, loading, unloading, cost of binding wires of 18 to 20 gauge, T&P, etc, all complete as per the direction of Engineer-in-Charge. Note: (Linear measurements will be taken & quantity will be calculated on standard weight. Lap length of bars & Weight of binding wire will not be considered for measurement and payment).	Qtl.	42.45	9540.50	404975.62
i)	Supplying all materials, labour, T&P and making MS step iron in 20mm diameter MS steel bars and fixing into walls of man hole/septic tank duly embedded in cement concrete (1:3:6) complete as per specification and direction of the Engineer in charge.	Each	4.00	160.10	640.40
j)	Supplying all materials, labour, T&P and laying in trenches (to level or slope) and jointing with provision of stiff mixture of cement mortar in proportion of 1:1 for salt glazed stoneware pipes, Grade—A of the following internal diameters including testing of pipes and joints complete. 110mm diameter UPC pipe	Mtr	12.00	988.30	11859.60

Sl. No.	Description of Work	Unit	Qty	Rate	Amount Rs.
6	Constructing RCC soak way pit with R.C.C top slab in (1:2:4) mix, inside plaster 12mm thick with cement mortar (1:3) finished with neat cement punning, 12mm thick outside cement plaster (1:3), brick work with K.B bricks having crushing strength not less than 75kg/cm ² with dimensional tolerance \pm 8 percent in cement mortar (1:4), cement concrete (1:2:4) finished smooth using 12mm size h.g chips, complete as per specification.				
a)	RCC soak way pit of size 1.5m x 1.8m deep	each	8.00	10070.50	80564.00
	Borewell				
7	Supplying all materials,labour T&P and providing fitting submersible pump with squarrel cage inspection type submerssible type submersible electric motor to run on 3 phase/1 phase line voltage rangingfrom 320 volt to 450 volt conforming to IS :8034/89				
a	One no. 3 phase 2 H.P 3 stage head range 30 to 54 mtr. Discharge 155 to 200 LMP with outlate dia 32mm.	Set	1	19850.00	19850.00
b	2.5 Sq mm cable.	Mtr	70	154.00	10780.00
c	40mm dia steel short piece.	Each	2	202.00	404.00
d	Steel rope wit cover.	Mtr	70	35.40	2478.00
e	Well Cap.	Each	1	202.00	202.00
f	50mm size CI bracket.	Each	1	121.20	121.20
g	20mm dia rigid HDPE pipes.	Mtr	70	99.80	6986.00
h	Boring up to 30 mtr.	Mtr	30	890.30	26709.00
i	Boring work Above 30 mtr.	Mtr	50	890.30	44515.00
j	8" ASTM pipe SCH-80	Mtr	70	2290.46	160332.20
k	Delivery	Set	1	2000.00	2000.00
l	Labour charges for lowering of summerssible pumpset with pipes and cables etc with testing and commissioning at site.	Mtr	70	125.00	8750.00

	Total Rs.				1605840.55

INTERNAL ELECTRICAL WORK FOR SCHOOL BUILDING					
Sl. No.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT Rs.
	INTERNAL WIRING				
1	Recessed wiring to light point / first light of group control/ call bell point/ exhaust fan point /wall fan point with 1.5 sq.mm FRLSH PVC insulated single core multistrand copper conductor of ISI marked in 20 mm dia non-metalic PVC conduit with 6 Amp, 250 V clip in type switch ISI marked and ceiling rose ISI marked mounted on G.I modular box with face plate & cover of suitable size , with 1.5 sq.mm FRLSH PVC insulated single core multistrand copper conductor as earth wire including all accesories and connection as per direction of Engineer in Charge.				
	Group C	Nos.	150	1269.00	190350.00
2	Recessed wiring to secondary light point looped from primary light point with 1.5sqmm FRLSH PVC insulated single core multistrand copper conductor of ISI marked with 20mm dia non-metallic PVC conduit with 1.5sqmm FRLSH PVC insulated single core multistrand copper conductor for running earth including 3 plate ISI marked Ceiling rose with all accessories & connection as per direction of Engineer-in-charge.Average Length: 3 mtr	Nos.	55	478.00	26290.00
3	Recessed wiring to ceiling fan point with 1.5sqmm FRLSH PVC insulated single core multistrand copper conductor of ISI marked with 20mm dia non-metallic PVC conduit with 6Amp 250V Modular Switch,Stepped type Moudular Regulator, Base & Cover with 1.5sqmm FRLSH PVC insulated single core multistrand copper conductor for running earth including all accessories & connection as per direction of Engineer in charge. Group c	Nos.	65	1665.00	108225.00
4	Recessed wiring to Twin control light point with 1.5 sq.mm FRLSH PVC insulated single core multistrand copper conductor of ISI marked in 20 mm dia non-metalic PVC conduit with 6Amp, 250 V clip in type 2way switch ISI marked and ceiling rose ISI marked mounted on G.I modular box with face plate & cover of suitable size , with 1.5 sq.mm FRLSH PVC insulated single core multistrand copper conductor as earth wire including all accesories and connection as per direction of Engineer-in-charge.Group C	Nos.	10	1710.00	17100.00
5	Recessed wiring for 5 / 6 amp socket outlet with 6Amp, 250 V clip in type modular switch ISI marked mounted on G.I moular box with face plate & cover of suitable size including all accesories and connection on same switch board as per direction of Engineer-in-charge.	Nos.	53	578.00	30634.00
6	Recessed wiring for 5 / 6 amp socket outlet with 2 x 1.5 sq.mm FRLSH PVC insulated single core multistrand copper conductor of ISI marked in 20 mm dia non-metalic PVC conduit with 6Amp, 250 V clip in type switch ISI marked mounted on G.I moular box with face plate & cover of suitable size , with 1.5 sq.mm FRLSH PVC insulated single core multistrand copper conductor as earth wire including all accesories and connection on separate board as per direction of Engineer-in-charge.Group C	Nos.	5	1419.00	7095.00
7	Recessed wiring for 2 x 6 amp socket outlet controlled by 2 nos 6Amp, 250 V clip in type switch ISI marked mounted on single G.I moular box with face plate & cover of suitable size including all accesories and connection on separate board as per direction of Engineer-in-charge.	Nos.	35	1061.00	37135.00
8	Recessed wiring for 6 pin 16 amp socket outlet with 16Amp, 250 V clip in type switch ISI marked mounted on G.I moular box with face plate & cover of suitable size including all accesories and connection as per direction of Engineer-in-charge.	Nos.	20	918.00	18360.00

Sl. No.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT Rs.
9	Recessed wiring for A.C/ Power socket outlet with industrial type socket outlet, plug top and metal chained cover in sheet steel enclosure ,20A/32A SP MCB including all accesories and connection as per direction of Engineer-in-charge.	Nos.	5	1096.00	5480.00
10	Recessed wiring to exhaust fan/Wall Fan point with 1.5sqmm FRLSH PVC insulated single core multistrand copper conductor of ISI marked with 20mm dia non-metallic PVC conduit with 6Amp 250V Modular Switch, Base & Cover with 1.5sqmm FRLSH PVC insulated single core multistrand copper conductor for running earth including all accessories & connection as per direction of Engineer in charge.Group C	Nos.	22	1269.00	27918.00
11	Call bell point	Nos.	3	1432.00	4296.00
12	Recessed wiring for 3 x 6 amp socket outlet controlled by 2 nos 6Amp, 250 V clip in type switch ISI marked mounted on single G.I moular box with face plate & cover of suitable size including all accesories and connection on separate board as per direction of Engineer-in-charge.	Nos.	1	1191.00	1191.00

	SUB TOTAL				474074.00
	SUBMAIN				
13	Recessed wiring to submain in 4 x 10 sq.mm FRLSH PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 32 mm dia non-metalic heavy duty PVC conduit 1.6 mm thick along with 2 x 4 sq.mm FRLSH PVC insulated single core multistrand copper conductor as earth wire as equired.	Mtrs	75	491.00	36825.00
14	Recessed wiring to submain in 4 x 6 sq.mm FRLSH PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 32 mm dia non-metalic heavy duty PVC conduit 1.6 mm thick along with 2 x 2.5 sq.mm FRLSH PVC insulated single core multistrand copper conductor as earth wire as equired.	Mtrs	150	335.00	50250.00
15	Recessed wiring to submain in 2 x 6 sq.mm FRLSH PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 25 mm dia non-metalic heavy duty PVC conduit 1.6 mm thick along with 1 x 2.5 sq.mm FRLSH PVC insulated single core multistrand copper conductor as earth wire as equired.	Mtrs	20	238.00	4760.00
16	Recessed wiring to submain in 2 x 4 sq.mm FRLSH PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 20 mm dia non-metalic heavy duty PVC conduit 1.6 mm thick along with 1 x 1.5 sq.mm FRLSH PVC insulated single core multistrand copper conductor as earth wire as equired.	Mtrs	750	204.00	153000.00
17	Recessed wiring to submain in 2 x 2.5 sq.mm FRLSH PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 20 mm dia non-metalic heavy duty PVC conduit 1.6 mm thick along with 1 x 1.5 sq.mm FRLSH PVC insulated single core multistrand copper conductor as earth wire as equired.	Mtrs	1850	186.00	344100.00
18	Recessed wiring to submain in 2 x 1.5 sq.mm FRLSH PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 20 mm dia non-metalic heavy duty PVC conduit 1.6 mm thick along with 1 x 1.5 sq.mm FRLSH PVC insulated single core multistrand copper conductor as earth wire as equired.	Mtrs	150	172.00	25800.00

	SUB TOTAL				614735.00
19	DB				

Sl. No.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT Rs.
	Supply and fixing of following way three pole and neutral, sheet steel, MCB distribution, 415 V on surface / recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, hinged front acrylic cover for the MCB knobs detachable gland plate, interconnections, phosphatized and powder painted including earthing etc. as required with necessary MCB, RCCB / ISOLATORS as required. Note for MCB- There should be colour indication for tripping On, Off & Trip/There should be mid trip position for toggles for electrical fault conditions.				
a)	Supply, fixing, erecting, connecting and commissioning of indoor type dust and vermin proof, sheet steel clad ready made, double door horizontal type powder coated wall mounted 4 way TPN Distribution Boards For PDB suitable for 440 V, three phase, 4 wire 50 Hz AC Supply complete with bottom detachable plate for interconnections etc as below. Incommer 1 No-63A FP MCB (10KA) Outgoings-10/20A SP MCB 10KA-12Nos.	Nos.	3	14143.00	42429.00
b)	Supply, fixing, erecting, connecting and commissioning of indoor type dust and vermin proof, sheet steel clad ready made, double door horizontal type powder coated wall mounted 4 way TPN Distribution Boards For LDB suitable for 440 V, three phase, 4 wire 50 Hz AC Supply complete with bottom detachable plate for interconnections etc as below. Incommer 1 No-40A FP MCB (10KA) Outgoings-10A SP MCB 10KA-12Nos.	Nos.	3	14143.00	42429.00
c)	Supply, fixing, erecting, connecting and commissioning of indoor type dust and vermin proof, sheet steel clad ready made, double door horizontal type powder coated wall mounted 4 way TPN Distribution Boards For UPS DB suitable for 440 V, three phase, 4 wire 50 Hz AC Supply complete with bottom detachable plate for interconnections etc as below. Incommer 1 No-40A FP MCB (10KA) Outgoings-10A SP MCB 10KA-12Nos.	Nos.	3	14143.00	42429.00
	SUB TOTAL				127287.00
	CABLE				
20	Supply & Laying of one number of PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of 3.5core 150 sq.mm direct in ground including excavation, sand cushioning protective covering and refilling the trench etc. as required.	Rmt	200	1940.00	388000.00
21	Supply & Laying of one number of PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of 3.5core 95 sq.mm direct in ground including excavation, sand cushioning protective covering and refilling the trench etc. as required.	Rmt	50	1370.00	68500.00
22	Supply & Laying of one number of PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of 4 core 16 sq.mm Aluminium on surface as required.	Rmt	20	538.00	10760.00
	SUB TOTAL				467260.00
	END TERMINATION				
	Supplying and making end termination with brass compression gland and aluminum lugs for following size of PVC insulated and PVC sheathed / XLPE aluminum cable of 1.1 KV as required.				
23	3.5C x 150 sq.mm	set	2	1050.00	2100.00
24	3.5C x 95 sq.mm	set	2	950.00	1900.00
25	4C x 16 sq.mm	set	2	550.00	1100.00
	SUB TOTAL				5100.00
	PANEL				

Sl. No.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT Rs.
	Supply, installation, testing & commissioning of floor mounting front operated front access extensible type cubicle panel totally enclosed, dust and vermin proof with IP-42 /55 protection with hinged and lockable doors. CRCA sheets including interconnections, tinned copper crimping lugs, bonding to earth and painting suitable for use at 415 V, 3phase 4 wire 50 Hz system, and to withstand a fault level of 35 KA symmetrical for 1 sec at 415 V complete as per specifications, as required and as below : All switchboards shall have provision for entry of cables from the bottom as required. All live accessible parts shall be shrouded and all equipment shall be finger touch proof. The bus bars shall be insulated with heat shrinkable sleeves. SMC/DMC shrouds and busbar supports shall be used with Indication lamp, C.T , Digital Voltmeter, Digital Ammeter and control fuse etc. complete.				
26	MAIN PANEL with 150A 4P MCCB 36KA -1 No as incomer, 63A 4P MCB 10KA 4Nos, 100A 4P Change over Switch 1Nos, 40A 4P MCB 10KA-9Nos, 32A DP MCB 10KA-3Nos with E.C Busbars with 4nos 65KA VSD along with 4nos 32A SP MCB.	set	1	162292.00	162292.00
	SUB TOTAL				162292.00
	EARTHING				
27	Earthing with copper earth plate 600 mm x 600mm x 3.15 mm thick ISI marked including accessories and providing masonry with cover plate having locking arrangement and watering pipe etc with charcoal and salt as required.	Set	4	13757.00	55028.00
28	Supplying and laying 25 mm x 6 mm CU earth strip ISI marked at 0.5 meter below ground level as strip earth electrode including soldering etc. as required.	Rmt	15	729.00	10935.00
29	Supplying and laying 25 mm x 6 mm CU earth strip ISI marked on surface or in recess for connection etc as required.	Rmt	50	783.00	39150.00
30	Providing and fixing 8 SWG CU wire on surface or in recess for loop earthing as required.	Rmt	50	89.00	4450.00
	SUB TOTAL				109563.00
	FIXTURE				
	Supply, Installation, Testing and Commissioning of pre-wired fluorescent fitting / compact fluorescent fitting /LED fitting of all sizes complete with all accessories and lamp etc. directly on ceiling /wall or recessed in false ceiling , including connection with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor and earthing as required.				
31	Ceiling mounted indoor type batten type LED Luminaire with LED Lamp	Nos	130	470.00	61100.00
32	Ceiling/ Wall mounted type BULK HEAD Luminaire	Nos	10	1074.00	10740.00
33	Supply, Installation, testing and commissioning of 10W Mirror Light	Nos	15	309.00	4635.00
34	Supply, Installation, Testing and Commissioning of ceiling fan 1200mm sweep, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor etc. as required. BLDC 5 Star	Nos	65	3949.00	256685.00
35	Supply, Installation, testing and commissioning of exhaust fan of 250 mm PLASTIC Exhaust Fan (Ventilation Fan) complete, connection, etc as required. 250MM CRISP AIR EXH FAN.	Nos	17	1788.00	30396.00
36	Supply & fixing of 18W LED Down Light (S/R) with all accessories.	Nos	50	1060.00	53000.00
37	Supply & fixing of LED 36w 2'x2' Surface/Recessed Mounted Light as required .	Nos	15	1923.00	28845.00
38	Supply & fixing of 6W LED Down Light (S/R) with all accessories.	Nos	10	539.00	5390.00
39	Supply, Installation, testing and commissioning of wall fan of 400 mm sweep as required. Model-400mm STRIKER HI SPEED.	Nos	5	3089.00	15445.00
	SUB TOTAL				466236.00
	PERFORATED CABLE TRAY				

ABSTRACT			
Name of the Work: - Construction of Godabarisha Mishra Adarsh Prathamik Vidyalaya (GMAPV) at GOVT.HS, Bhabanipur, Odisha,Jagannath Nups,Dharmasala Block,Dist-Jajpur			
Model-1 Drawing			
Sl. No.	Description of Works		Amount in Rs. (Excl. GST)
A	CIVIL WORKS: -		
i.	School Building (Ground Floor Only) Foundation for G+1		
a.	Ground Floor	Rs.	40,880,198.00
b.	Head Room & Terrace	Rs.	3,768,076.00
ii.	Frontside Compound Wall (75 Mtr) & Gate	Rs.	1,203,527.00
iii.	Barbed Fencing (300 Mtr)	Rs.	262,930.00

	SUB TOTAL (A) :	Rs.	46,114,731.00
B	PH WORKS: -		
i.	Internal PH & Sanitary Works	Rs.	1,055,922.11
ii.	External PH Works		1,612,285.37

	SUB TOTAL (B) :	Rs.	2,668,207.48
C	ELECTRICAL WORKS: -		
i.	Internal Electrical Works	Rs.	2,600,427.00

	SUB TOTAL (C) :	Rs.	2,600,427.00
D	TOTAL (A+B+C) =	Rs.	51,383,365.48

Name of the Work: - Construction of Godabarisha Mishra Adarsh Prathamik Vidyalaya (GMAPV) at GOVT.HS, Bhabanipur, Odisha,Jagannath						
Ground Floor						
Sl. No.	Description of Items	Nos.	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
1	Clearing and grubbing roads and land including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees girth up to 300 mm, removal of stumps of trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used or auctioned, up to a lead of 1000 metres including removal and disposal of top organic soil not exceeding 150 mm in thickness.					
	Area	1	4026.296			
	Total =		4026.30	Sqm	-	-
1	Excavation, loading, unloading and carriage by mechanical means of all kinds of soil, including stoney earth, gravel and moorum etc interspread with boulders upto 1/2 cum size with all lifts and delifts including trimming of slopes and bed to design section and depositing the the excavated materials away from work site as per the specification and as directed by the Engineer- in-charge within an initial lead of 1km from the place of excavation complete.					
	Total =		2510.47	Cum	99.50	249,791.77
2	Filling the Foundation, Sides of Foundation, etc. in mechanical means with excavated materials (excluding rock), in layers not exceeding 0.225 m in depth including cost of watering, ramming, dressing and levelling the top to proper level & gradient, cost of machinery, conveyance, loading, unloading, T&P, etc, all complete as per the direction of Engineer-in-Charge.					
	Total =		1673.65	Cum	99.50	166,528.18
3	Filling the Plinth with excavated materials (excluding rock), in layers not exceeding 0.225 m in depth including cost of watering, ramming, dressing and levelling the top to proper level & gradient, cost of labour, conveyance, loading, unloading, T&P, etc, all complete as per the direction of Engineer-in-Charge.					
	Total =		418.41	Cum	173.10	72,426.77
4	Supplying and Filling with Sand in Foundation and Plinth in layers not exceeding 20 cm in depth, well watered and compact , top surface dressed and levelled to proper level and gradient including cost of all materials , conveyance, royalties, loading, unloading, cost of all labour, T&P, etc.All complete as per the dirrection of Engineer-in-charge.					
	Total =		240.52	Cum	541.40	130,217.53
5	Supplying, diluting and preparing chemical emulsion like Imidacloprid 30.5 % SC or other chemicals approved by Central Insecticides Board or as directed by the manufacturer and spraying the mixture uniformly by sprayer as Pre/Post-Constructional Anti-termite Treatment confirming to IS 6313 (Part-II) including the cost of all materials, cost of all labour, conveyance, loading, unloading, T&P, etc. all complete as per the direction of Engineer-in-Charge.					
	Total =		1818.06	Sqm	138.20	251,255.89
6	Providing and lying Plain Cement Concrete of proportion (1:3:6) in foundation & floor using 40 mm & down grade black hard crusher broken granite stone metal, washed and screened sharp sand of approved quality from approved quarry including hoisting, lowering, laying the concrete, ramming, watering and curing etc. complete to required thickness including cost of all materials, conveyance, loading, unloading, royalties, cost of labours, T&P, hire & running charges of concrete mixer, etc. all complete as per the direction of the Engineer -in -charge.					
	Total =		422.20	Cum	5962.80	2,517,494.16
7	Providing and laying Brick Masonry work in Foundation & Plinth using Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm2 with dimensional tolerance + 2 % confirming to IS 12894 and IS 2212 in cement mortar (1:6) after immersing the bricks for minimum 6 hours in water before use, with all necessary projections, splays cutting, circular moulding, corbelling, etc. as per the drawings including the cost of all materials, cost of all labour, conveyance, royalties, loading, unloading, scaffolding, staging, watering and curing, sundries, T&P, etc. complete as per the direction of the Engineer-in-charge.					
	Total =		194.50	Cum	5439.60	1,058,002.20

8	Providing and laying of Full Brick Masonry work in Superstructure using Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm2 with dimensional tolerance + 2 % confirming to IS 12894 and IS 2212 in cement mortar (1:6) after immersing the bricks for minimum 6 hours in water before use, with all necessary projections, splays cutting, circular moulding, corbelling, etc. as per the drawings including the cost of all materials, cost of all labour, conveyance, royalties, loading, unloading, scaffolding, staging, watering and curing, sundries, T&P, etc. complete as per the direction of the Engineer-in-charge.					
	250mm thick Brickwork					
	Total =		453.25	Cum	5473.00	2,480,637.25
9	Providing and laying Brick masonry work in Superstructure using Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm2 with dimensional tolerance + 2 % confirming to IS 12894 and IS 2212 in cement mortar (1:4) for Half Brick Masonry Wall with provisions for 2 nos 6mm dia MS bar at each 4th layer after immersing the bricks for minimum 6 hours in water before use, with all necessary projections, splays cutting, circular moulding, corbelling, etc. as per the drawings including the cost of all materials, cost of all labour, conveyance, royalties, loading, unloading, scaffolding, staging, watering and curing, sundries, T&P, etc. complete as per the direction of the Engineer-in-charge. (Excluding Cost Of Steel Reinforcement).					
	125mm thick Brickwork					
	Total =		34.41	Cum	5689.10	195,761.93
10	Providing, lifting, hoisting and laying in position machine batched , machine mixed and machine vibrated design mix cement concrete of M-25 Including the cost of Centering and Shuttering (minimum cement content not less than 403 Kg/Cum) grade in reinforced cement concrete structural elements using black hard crusher broken granite chips of approved quality from approved quarry including mixing and compacting to proper shape and size, level and plumbs and finishing the exposed surfaces smooth including the cost of all materials, cost of labour, conveyance, loading, unloading, royalties, watering and curing for the required period, T&P , hire & running charges of concrete mixer and vibrator, cost of Admixtures in recommended proportions (as per IS 9103) to accelerate, retard setting of concrete, improve workability without impairing strength and durability etc. complete as per the direction of the Engineer-in-charge but excluding the cost of steel reinforcement.					
a)	Footing: -					
	Pedestal:					
	Total =		341.22	Cum	6831.00	2,330,873.82
b)	Column up to Plinth: -					
	Pedestal:					
	Total =		48.68	Cum	16213.80	789,287.78
c)	Plinth Beam: -					
	Total =		135.85	Cum	7705.40	1,046,778.59
d)	Column up to 1st Floor: -					
	Total =		89.88	Cum	16213.80	1,457,296.34
e)	Lintel Beam: -					
	Total =		33.16	Cum	14544.70	482,302.25
f)	Chajjas: -					
	Total =		13.01	Cum	12609.80	164,053.50
g)	Roof Beam: -					
	Total =		153.24	Cum	16213.80	2,484,602.71
h)	Roof Slab: -					
	Total =		229.34	Cum	12609.80	2,891,931.53
i)	Staircase: -					
	Total =		10.09	Cum	16076.00	162,206.84

j)	Fins: -					
	Total =		17.02	Cum	11894.00	202,435.88
11	<p>Providing & fixing TOR Fe-500 HYSD Reinforcement bars of required diameter and approved quality for Reinforced Cement Concrete work including straightening, cutting, bending, binding, welding(if approved) , joining (if necessary), tying the grills, hoisting, lowering and placing in position as per the approved design & drawings (BBS) with provision of standard fan hooks including the cost of all materials, cost of all labour, conveyance, loading, unloading, cost of binding wires of 18 to 20 gauge, T&P, etc, all complete as per the direction of Engineer-in-Charge.</p> <p>Note: (Linear measurements will be taken & quantity will be calculated on standard weight. Lap length of bars & Weight of binding wire will not be considered for measurement and payment).</p>					
	Total =		1304.170	Qntl	9534.20	12,434,217.61
12	<p>Providing 12mm thick cement plaster in cement mortar (1:4) to the surface of half brick masonry wall including racking out joints, scraping and cleaning the surface and finishing the plaster surface smooth using wooden floats, bars, etc only to proper plumbs and level and making grooves, beads and drip coarse to give required ornamental finish as per drawings including cost of all materials, conveyance, loading and unloading, royalties, cost of all labour, scaffolding, staging, watering before plastering and curing, sundries and T&P, etc. complete as per direction of the Engineer-in-charge.</p>					
	External Plaster -					
	Total =		2147.18	Sqm	201.80	433,300.92
13	<p>Providing 16mm thick cement plaster in cement mortar (1:6) to the surfaces of brick masonry wall including racking out joints, scraping and cleaning the surface and finishing the plaster surface smooth using wooden floats, bars, etc only to proper plumbs and level and making grooves, beads and drip coarse to give required ornamental finish as per drawings including cost of all materials, conveyance, loading and unloading, royalties, cost of labour, scaffolding, staging, watering before plastering and curing, sundries and T&P, etc. complete as per direction of the Engineer-in-charge.(inner side)</p>					
	Internal Plaster: -					
	Deduct Door & Window: -					
	Total =		3559.07	Sqm	274.80	978,032.44
14	<p>Providing 6 mm thick Cement Plaster in Cement Mortar of (1:4) to Ceilings of Roof Slabs, Stairs, Landings, Chajja, Shelves, Columns, Beams and Lofts etc. including roughening, scraping and cleaning and finishing the plastered surface smooth using wooden floats only to proper plumbs and level, making grooves, beads and drip coarse to give required ornamental finish as per drawings including cost of all materials, conveyance, loading and unloading and royalties, all labour, scaffolding, watering and curing , sundries, T&P etc. complete as per direction of the Engineer-in-charge</p>					
	Total =		83.59	Sqm	214.30	17,913.34
15	<p>Providing and laying of 600 mm x 600 mm Vitrified Floor Tiles Matt Finish Anti Skid Plain Series confirming to IS : 15622 of approved make, quality and colour without any warpage laid over an under layer of 20 mm thick base of cement mortar (1:4) (1 cement: 4 coarse sand) including cutting to size, laying and filling the joints with white cement slurry mixed with colouring pigment to match the shade and colour, cleaning the surfaces including the cost of all materials, cost of all labour, conveyance, royalties, loading, unloading, sundries, watering and curing, T&P, etc. complete as per the direction of the Engineer-in-Charge.</p> <p>(Note- Sample of tiles shall be approved before procurement and use.)</p>					
	Total =		775.10	Sqm	1139.10	882,916.41
16	<p>Providing and laying of Vitrified Tiles Matt Finish Plain Series in dado/skirting confirming to IS : 15622 of approved make, quality, colour and size 600mm x 600mm upto required height from floor level fixed over an under layer of 12mm thick bed of cement mortar (1:3) (1 Cement : 3 Coarse sand) including cutting to size, laying and filling the joints with white cement slurry mixed with colouring pigment to match the shade and colour, cleaning the surfaces including the cost of all materials, cost of all labour, conveyance, taxes, royalties, loading, unloading, sundries, watering and curing, T&P, etc. complete as per the direction of the Engineer-in-Charge.</p> <p>(Note- Sample of tiles shall be approved before procurement and use.)</p>					

	Total =		73.80	Sqm	1276.70	94,220.46
17	Providing & laying Heavy Duty Vetrified Floor Tile Matt Finish Rustic Series having thickness 10mm confirming to IS 4457 of size 600mmx600mm of approved make, quality and colour without any warpage laid over an under layer of 20 mm thick base of cement mortar (1:4) (1 cement: 4 coarse sand) including cutting to size, laying and filling the joints with white cement slurry mixed with colouring pigment to match the shade and colour, cleaning the surfaces with oxlaic acid, machine grinding, mirror polishing including the cost of all materials, cost of all labour, conveyance, royalties, loading, unloading, sundries, watering and curing, T&P, etc. complete as per the direction of the Engineer-in-Charge. (Note- Sample of tiles shall be approved before procurement and use.)					
	Total =		662.15	Sqm	1230.30	814,643.15
18	Providing & laying Heavy Duty Vetrified Tile Matt Finish Rustic Series having thickness 10mm in dado/skirting confirming to IS : 15622 of size 600mmx600mm of approved make, quality and colour without any warpage laid over an under layer of 12mm thick cement mortar (1:3) (1 cement: 3 coarse sand) confirming to IS-1443 including cutting to size, laying and filling the joints with white cement slurry mixed with colouring pigment to match the shade and colour, cleaning the surfaces including the cost of all materials, cost of all labour, conveyance, taxes, royalties, loading, unloading, sundries, watering and curing, T&P, etc. complete as per the direction of the Engineer-in-Charge. (Note- Sample of tiles shall be approved before procurement and use.)					
	Total =		75.83	Sqm	1368.00	103,735.44
19	Providing and laying 300mm x 300mm Chequered Tiles. tiles confirming to IS : 15622 of approved make, quality and colour without any warpage laid over 20 mm thick base of cement mortar (1:4) (1 cement: 4 coarse sand) including cutting to size, laying and filling the joints with white cement slurry mixed with colouring pigment to match the shade and colour, cleaning the surfaces including the cost of all materials, cost of all labour, conveyance, taxes, royalties, loading, unloading, sundries, watering and curing, T&P, etc. complete as per the direction of the Engineer-in-Charge. (Note- Sample of tiles shall be approved before procurement and use.)					
	Steps Tread & Landing: -					
	Total =		136.51	Sqm	644.80	88,021.65
20	Providing and laying 300mmx300mm antiskid ceramic floor Tiles confirming to IS : 15622 of approved make, quality and colour without any warpage laid over an under layer of 20 mm thick base of cement mortar (1:4) (1 cement: 4 coarse sand) including cutting to size, laying and spacer of 4mm for grouting the joints of tiles using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg) to match the shade and colour, cleaning the surfaces with acid including the cost of all materials, cost of all labour, conveyance, royalties, loading, unloading, sundries, watering and curing, T&P, etc. complete as per the direction of the Engineer-in-Charge. (Note- Sample of tiles shall be approved before procurement and use.)					
	Total =		82.32	Sqm	1093.00	89,975.76
21	Ceramic wall tile With Epoxy Grout For Toilet Providing and laying of Glazed Ceramic Wall Tiles in dado/skirting confirming to IS : 15622 of approved make, quality, colour and size 300mm x 450mm upto required height from floor level fixed over an under layer of 12mm thick bed of cement mortar (1:3) (1 Cement : 3 Coarse sand) including cutting to size, laying and spacer of 4mm for grouting the joints of tiles using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg) to match the shade and colour, cleaning the surfaces with acid including the cost of all materials, cost of all labour, conveyance, taxes, royalties, loading, unloading, sundries, watering and curing, T&P, etc. complete as per the direction of the Engineer-in-Charge. (Note- Sample of tiles shall be approved before procurement and use.)					
	Total =		318.76	Sqm	1091.70	347,990.29

22	Providing & laying granite stone flooring in Floors and landing using 19-20 mm thick granite stone slab of approved quality, colour and size above 0.4 Sqm as per IS 14223 laid over an under layer of 20 mm thick cement mortar (1:4) (1 cement: 4 coarse sand) confirming to IS-1443 including cutting to size, laying and filling the joints with white cement slurry mixed with colouring pigment to match the shade and colour, cleaning the surfaces including the cost of all materials, cost of all labour, conveyance, royalties, loading, unloading, sundries, watering and curing, T&P, etc. complete as per the direction of the Engineer-in-Charge. (Note- Sample of granite tiles shall be approved before procurement and use.)					
	Total =		9.45	Sqm	3131.00	29,587.95
23	Providing and fixing 65mm X 125mm factory made single extruded WPC (Wood Polymer Composite) solid door/window/Ceoseatory windows & other Frames/Chowkhat comprising of virgin PVC polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) fabricated with miter joints after applying PVC solvent cement and screwed with full body threaded star headed SS screws having minimum frame density of 750 kg/cum, screw withdrawal strength of 2200 N (Face) & 1100 N (Edge), minimum compressive strength of 58 N/mm2, modulus of elasticity 900 N/mm2 and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixed in position with M.S hold fast/lugs/SS dash fasteners of required dia and length complete as per direction of Engineer-In- Charge. Note: For WPC solid door/window frames, minus 5mm tolerance in dimensions i.e depth and width of profile shall be acceptable. Variation in profile dimensions on plus side shall be acceptable but no extra payment on this account shall be made.					
	Door Frame: -					
	Total =		99.75	Rmt	1185.40	118,243.65
24	Providing and fixing of 30 mm thick factory made single extruded WPC (Wood Polymer Composite) solid plain flush door shutter of required size comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/cum and screw withdrawal strength of 1800 N (Face) & 900 N (Edge), minimum compressive strength 50 N/mm2, modulus of elasticity 850 N/mm2 and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixing with SS 304 Grade Matt Finished 3 Nos butt hinges of Size 100mm X 60mm X 2.5mm, 1 No 250mm X 16mm Aldrop, 1 No 150mm x 16mm tower bolt, 2 No 150mm length Door handle with necessary full body threaded star headed counter sunk S.S screws, floor/hanging door stopper & hydraulic door closer as required and mentioned in architectural drawing all as per direction of Engineer-In- Charge.					
	Door Shutter: -					
	Total =		139.28	Sqm	5236.50	729,339.72
25	Supplying and fixing of Powder coated 50-60 microns approved colour of aluminium 40mm Casement series Door Unit with suitable aluminium extrude profiles. the system is designed to accommodate 12mm clear toughened glass. the rate quoted inclusive of hardwares like antilift, roller, Espag lock cum handle, epdm gaskets, T mullion, Fly Mullion, bottom adopter, mid transom, glazing clip for 12 mm glass felt along with all accessories etc complete. The gap between the wall and window will be filled with silicon weather sealant in the outer side. including the cost of all materials ,hardware fittings, cost of all labour, conveyance, loading, unloading, T&P, etc, complete as per the direction of Engineer-in Charge. (As per Proceeding of C.C.E. Level committee meeting held on dt. 12.02.2024 at 11.30 A.M.)					
	Main Entrance Door: -					
	Total =		4.32	Sqm	12427.80	53,688.10
26	Providing and fixing of Sliding windows of approved make to be fabricated from roll formed sections made of pre-painted steel (base steel as per IS-513 of 0.6 mm thick "D" quality, galvanized as per IS-277 with zinc of 120 Gm/Sq.mtr) with total coated thickness of 0.55 mm Slide guide section should be made of 0.5 mm stainless steel of 430 grade. with paint specification being with primer of 5-7 microns thick and finished paint with polyester paint (Black /Pearl white/ Chocolate Brown) of 12-16 microns along with the alkyd backer at the back of 5-7 microns and the Sections for external frame bottom and top should be of 79 x 45 mm. external frame sides should be of 69 x 24 mm, guide for top and bottom should be of 69 x 26 mm (Stainless Steel). Section for shutter should be of 26 x 30 mm, Sash bar should be of 23 57mm. Accessories / gaskets are to be used as per the manufacturer's supply and specification like gasket will be made of EPDM. All corner brackets for internal and external are to be made of glass filled nylon. The sections are to be cut to length joined and assembled by means of corner bracket and frames are fixed to the concrete/masonry walls by means of self expanding screws and glass to be used of 5 mm reflective with all taxes complete.					

	Sliding Windows: -					
	Total =		147.15	Sqm	6487.00	954,562.05
27	Providing and fixing of Fixed Glazing with part Top hung of approved make to be fabricated from roll formed sections made of pre-painted steel (base steel as per IS-513 of 0.6 mm thick "D" quality, galvanized as per IS-277 with zinc of 120 Gm/Sq.mtr) with paint specification being with primer of 5-7 microns and finished paint with polyester paint (Black /Pearl white/ Chocolate Brown) of 12-16 microns alongwith the alkyl backer at the back of 5-7 microns and the sizes of outer frame being of 46x52 mm and with all vertical and horizontal mullions are of 46x70 mm and fixed beadings are of 18x25 mm. Top hung shutter should be of 46 x 46 mm. Accessories / gaskets are to be used as per the manufacturer's supply and specification like handle being made of high grade aluminium powder coated and with nylon receiver and gasket will be made of EPDM. All corner brackets are to be made of CRCA with zinc phosphating. The mullion caps and louvered-clips should be of glass filled nylon. The sections are to be cut to length,mitre joined with corner bracket and frames are fixed to the concrete/masonry walls by means of self expanding screws and glass to be used of 5 mm reflective with all taxes complete.					
	Fixed Windows: -					
	Total =		21.60	Sqm	6531.70	141,084.72
28	Providing and fixing of partly fixed partly top hung and partly louvered windows of approved make to be fabricated from roll formed sections made of pre-painted steel (base steel as per IS-513 of 0.6 thick "D" quality, galvanized as per IS-277 with zinc of 120 Gm/Sq.mtr) with paint specification being with primer of 5-7 microns and finished paint with polyester paint (Black /Pearl white/ Chocolate Brown) of 12-16 microns alongwith the alkyl backer at the back of 5-7 microns and the sizes of outer frame being of 46x52 mm and with all vertical and horizontal mullions are of 46x70 mm and fixed beadings are of 18x25 mm. Section for internal top and bottom frames in the louvered areas should be 18 x 40 mm. Top hung shutter should be of 46 x 46 mm. Accessories / gaskets are to be used as per the manufacturer's supply and specification like handle being made of high grade aluminium powder coated and with nylon receiver and gasket will be made of EPDM. All corner brackets are to be made of CRCA with zinc phosphating. The mullion caps and louvered-clips should be of glass filled nylon. The sections are to be cut to length,mitre joined with corner bracket and frames are fixed to the concrete/masonry walls by means of self expanding screws and glass to be used of 5 mm frosted with all taxes complete.					
	Ventilators:-					
	Total =		9.72	Sqm	5871.50	57,070.98
29	Supplying, fitting and fixing of M.S. grill ,Grated doors etc made out of M.S. flats/square bars as per drawing and design fixed in position to proper plumb with cost, conveyance, Materials, labour, T&P etc. required for the complete in all respect as per the direction of Engineer-in-Charge.					
	Windows & Ventilators Grills: -					
	Grills:-					
	Door Frames:-					
	(RHS-100x50x3.2)					
	Total =		8202.65	Kg	99.31	814,605.17
30	Providing and Painting with Two Coats Weather Coat Paint (exterior grade) of approved make & shade manufactured by reputed manufacturer make an even finished surface over a coat of water bound cement primer and wall putty in all heights with all scaffolding and staging charges including cost, conveyance, cost of all labours, T & P, sundries etc. as required for the work complete.					
	Total =		2446.95	Sqm	185.60	454,153.92
31	Supplying and finishing the plastered surface of wall using 2 Coats of Cement Based Wall Putty (Water Based) of approved make and quality and finished smooth and even surface to receive the paint including the cost of all materials, cost of all labour, conveyance, taxes, loading, unloading, scaffolding, T&P, etc, all complete as per the direction of Engineer-in-Charge.					
	Total =		5096.62	Sqm	92.30	470,418.03

Name of the Work: - Construction of Godabarisha Mishra Adarsh Prathamik Vidyalaya (GMAPV) at GOVT.HS, Bhabanipur, Odisha,Jagannath Nups,Dharmasala Block,Dist-Jajpur

Terrace Floor									
Sl. No.	Description of Items	Nos.	Length (m)	Bredth (m)	Depth (m)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
1	Providing and laying of Full Brick Masonry work in Superstructure using Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm2 with dimensional tolerance + 2 % conforming to IS 12894 and IS 2212 in cement mortar (1:6) after immersing the bricks for minimum 6 hours in water before use, with all necessary projections, splays cutting, circular moulding, corbelling, etc. as per the drawings including the cost of all materials, cost of all labour, conveyance, royalties, loading, unloading, scaffolding, staging, watering and curing, sundries, T&P, etc. complete as per the direction of the Engineer-in-charge.								
	250mm thick Brickwork								
	Total =					158.97	Cum	5858.90	931,389.33
2	Providing, lifting, hoisting and laying in position machine batched , machine mixed and machine vibrated design mix cement concrete of M-25 Including the cost of Centering and Shuttering (minimum cement content not less than 403 Kg/Cum) grade in reinforced cement concrete structural elements using black hard crusher broken granite chips of approved quality from approved quarry including mixing and compacting to proper shape and size, level and plumbs and finishing the exposed surfaces smooth including the cost of all materials, cost of labour, conveyance,loading, unloading, royalties, watering and curing for the required period, T&P , hire & running charges of concrete mixer and vibrator, cost of Admixtures in recommended proportions (as per IS 9103) to accelerate, retard setting of concrete, improve workability without impairing strength and durability etc. complete as per the direction of the Engineer-in-charge but excluding the cost of steel reinforcement.								
d)	Column up to Head Room & Parapet Wall: -								
	Total =					27.54	Cum	18290.10	503,709.35
e)	Lintel Beam: -								
	Total =					0.97	Cum	16287.30	15,798.68
f)	Chajjas: -								
	Total =					0.70	Cum	13965.40	9,775.78
g)	Roof Beam: -								
	Total =					6.86	Cum	18290.10	125,470.09
h)	Roof Slab: -								
	Total =					12.95	Cum	13965.40	180,851.93
3	Providing & fixing TOR Fe-500 HYSD Reinforcement bars of required diameter and approved quality for Reinforced Cement Concrete work including straightening, cutting, bending, binding, welding(if approved) , joining (if necessary), tying the grills, hoisting, lowering and placing in position as per the approved design & drawings (BBS) with provision of standard fan hooks including the cost of all materials, cost of all labour, conveyance, loading, unloading, cost of binding wires of 18 to 20 gauge, T&P, etc, all complete as per the direction of Engineer-in-Charge. Note: (Linear measurements will be taken & quantity will be calculated on standard weight. Lap length of bars & Weight of binding wire will not be considered for measurement and payment).								
	Total =					74.310	Qntl	9568.26	711,017.40
4	Providing 12mm thick cement plaster in cement mortar (1:4) to the surface of half brick masonry wall including racking out joints, scraping and cleaning the surface and finishing the plaster surface smooth using wooden floats, bars, etc only to proper plumbs and level and making grooves, beads and drip coarse to give required ornamental finish as per drawings including cost of all materials, conveyance, loading and unloading, royalties, cost of all labour, scaffolding, staging, watering before plastering and curing, sundries and T&P, etc. complete as per direction of the Engineer-in-charge.								
	Total =					3209.45	Sqm	206.50	662,751.43
5	Providing 16mm thick cement plaster in cement mortar (1:6) to the surfaces of brick masonry wall including racking out joints, scraping and cleaning the surface and finishing the plaster surface smooth using wooden floats, bars, etc only to proper plumbs and level and making grooves, beads and drip coarse to give required ornamental finish as per drawings including cost of all materials, conveyance, loading and unloading, royalties, cost of all labour, scaffolding, staging, watering before plastering and curing, sundries and T&P, etc. complete as per direction of the Engineer-in-charge.(inner side)								
	Total =					170.16	Sqm	282.00	47,985.12
6	Providing and fixing of Fixed Glazing with part Top hung of approved make to be fabricated from roll formed sections made of pre-painted steel (base steel as per IS-513 of 0.6 mm thick "D" quality, galvanized as per IS-277 with zinc of 120 Gm/Sq.mtr) with paint specification being with primer of 5-7 microns and finished paint with polyester paint (Black /Pearl white/ Chocolate Brown) of 12-16 microns alongwith the alkyd backer at the back of 5-7 microns and the sizes of outer frame being of 46x52 mm and with all vertical and horizontal mullions are of 46x70 mm and fixed beadings are of 18x25 mm. Top hung shutter should be of 46 x 46 mm. Accessories / gaskets are to be used as per the manufacturer's supply and specification like handle being made of high grade aluminium powder coated and with nylon receiver and gasket will be made of EPDM. All corner brackets are to be made of CRCA with zinc phosphating. The mullion caps and louvered-clips should be of glass filled nylon. The sections are to be cut to length,mitre joined with corner bracket and frames are fixed to the concrete/masonry walls by means of self expanding screws and glass to be used of 5 mm reflective with all taxes complete.								
	Total =					16.80	Sqm	6531.70	109,732.56
7	Supplying, fitting and fixing of M.S. grill ,Grated doors etc made out of M.S. flats/square bars as per drawing and design fixed in position to proper plumb with cost, conveyance, Materials, labour, T&P etc. required for the complete in all respect as per the direction of Engineer-in-Charge.								
	Total =					946.80	Kg	99.31	94,026.71
8	Providing and Painting with Two Coats Weather Coat Paint (exterior grade) of approved make & shade manufactured by reputed manufacturer make an even finished surface over a coat of water bound cement primer and wall putty in all heights with all scaffolding and staging charges including cost, conveyance, cost of all labours, T & P, sundries etc. as required for the work complete.								
	Total =					1350.36	Sqm	192.70	260,214.37

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Name of the Work: - Construction of Godabarisha Mishra Adarsh Prathamik Vidyalaya (GMAPV) at GOVT.HS, Bhabanipur, Odisha,Jagannath Nups,Dharmasala Block,Dist-Jajpur					
Length of Compund Wall- 75 Mtr					
Sl. No.	Description of Items	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
1	Excavation, loading, unloading and carriage by mechanical means of all kinds of soil, including stoney earth, gravel and moorum etc interspread with boulders upto 1/2 cum size with all lifts and shifts including trimming of slopes and bed to design section and depositing the the excavated materials away from work site as per the specification and as dired by the Engineer-in-charge within an initial lead of 1km from the place of excavation complete.				
	Total =	136.79	Cum	99.50	13,619.61
2	Filling the Foundation, Sides of Foundation, etc. in mechanical means with excavated materials (excluding rock), in layers not exceeding 0.225 m in depth including cost of watering, ramming, dressing and levelling the top to proper level & gradient, cost of machinery, conveyance, loading, unloading, T&P, etc. all complete as per the direction of Engineer-in-Charge. (2/3 of Excavation)	91.193			
	Total =	91.19	Cum	99.50	9,073.41
3	Supplying and Filling with Sand in Foundation and Plinth in layers not exceeding 20 cm in depth, well watered and compact, top surface dressed and levelled to proper level and gradient including cost of all materials, conveyance, royalties, loading, unloading, cost of all labour, T&P, etc.All complete as per the direction of Engineer-in-charge.				
	Total =	6.62	Cum	541.40	3,584.07
4	Providing and laying Plain Cement Concrete of proportion (1:3:6) in foundation & floor using 40 mm & down grade black hard crusher broken granite stone metal, washed and screened sharp sand of approved quality from approved quarry including hoisting, lowering, laying the concrete, ramming, watering and curing etc. complete to required thickness including cost of all materials, conveyance, loading, unloading, royalties, cost of labours, T&P, hire & running charges of concrete mixer, etc. all complete as per the direction of the Engineer -in -charge.				
	Total =	11.63	Cum	5962.80	69,347.36
5	Providing and laying in position of plain cement concrete 1:2:4 (1 Cement 2 Sand 4 Coarse Aggreagate) in floors using 12mm size hard broken crusher broken granite stone metal, washed and screened sharp sand of approved quality from approved quarry including hoisting, lowering, laying the concrete, ramming, watering and curing etc. complete to required thickness including cost of all materials, conveyance, loading, unloading, royalties, cost of labours, T&P, hire & running charges of concrete mixer, etc. all complete as per the direction of the Engineer -in -charge.				
	Total =	0.00	Cum	7621.10	-
5	Providing and laying Brick Masonry work in Foundation & Plinth using Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm2 with dimensional tolerance + 2 % confirming to IS 12894 and IS 2212 in cement mortar (1:6) after immersing the bricks for minimum 6 hours in water before use, with all necessary projections, plays cutting, circular moulding, corbelling, etc. as per the drawings including the cost of all materials, cost of all labour, conveyance, royalties, loading, unloading, scaffolding, staging, watering and curing, sundries, T&P, etc. complete as per the direction of the Engineer-in-charge.				
	Total =	17.34	Cum	5439.60	94,322.66
6	Providing and laying of Full Brick Masonry work in Superstructure using Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm2 with dimensional tolerance + 2 % confirming to IS 12894 and IS 2212 in cement mortar (1:6) after immersing the bricks for minimum 6 hours in water before use, with all necessary projections, plays cutting, circular moulding, corbelling, etc. as per the drawings including the cost of all materials, cost of all labour, conveyance, royalties, loading, unloading, scaffolding, staging, watering and curing, sundries, T&P, etc. complete as per the direction of the Engineer-in-charge.				
	Total =	25.88	Cum	5473.00	141,641.24
7	Providing, lifting, hoisting and laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of M-25 Including the cost of Centering and Shuttering (minimum cement content not less than 403 Kg/Cum) grade in reinforced cement concrete structural elements using black hard crusher broken granite chips of approved quality from approved quarry including mixing and compacting to proper shape and size, level and plumbs and finishing the exposed surfaces smooth including the cost of all materials, cost of labour, conveyance,loading, unloading, royalties, watering and curing for the required period, T&P, hire & running charges of concrete mixer and vibrator, cost of Adminixtures in recommended proportions (as per IS 9103) to accelerate, retard setting of concrete, improve workability without impairing strength and durability etc. complete as per the direction of the Engineer-in-charge but excluding the cost of steel reinforcement.				
a) Footings :-					
	Total =	9.00	Cum	6831.00	61,479.00
b) Column up to Plinth:-					
	Total =	1.59	Cum	16213.80	25,779.94
c) Plinth Beam:-					
	Total =	5.63	Cum	7705.40	43,381.40
d) Column up to First Floor:-					
	Total =	0.99	Cum	16213.80	16,051.66
e) Roof Beam:-					
	Total =	0.51	Cum	16213.80	8,269.04
f) Roof Slab:-					
	Total =	0.42	Cum	12609.80	5,296.12
8	Providing & fixing TOR Fe-500 HYSD Reinforcement bars of required diameter and approved quality for Reinforced Cement Concrete work including straightening, cutting, bending, binding, welding(if approved), joining (if necessary), lying the gills, hoisting, lowering and placing in position as per the approved design & drawings (BBS) with provision of standard fan hooks including the cost of all materials, cost of all labour, conveyance, loading, unloading, cost of binding wires of 16 to 20 gauge, T&P, etc. all complete as per the direction of Engineer-in-Charge. Note: (Linear measurements will be taken & quantity will be calculated on standard weight. Lap length of bars & Weight of binding wire will not be considered for measurement and payment).				
	Total =	22.540	Qntl	9534.20	214,900.87
9	Providing 16mm thick cement plaster in cement mortar (1:6) to the surfaces of brick masonry wall including racking out joints, scraping and cleaning the surface and finishing the plaster surface smooth using wooden floats, bars, etc only to proper plumbs and level and making grooves, beads and drip coarse to give required ornamental finish as per drawings including cost of all materials, conveyance, loading and unloading, royalties, cost of labour, scaffolding, staging, watering before plastering and curing, sundries and T&P, etc. complete as per direction of the Engineer-in-charge (inner side)				
	Total =	202.50	Sqm	274.80	55,647.00
10	Providing 6 mm thick Cement Plaster in Cement Mortar of (1:4) to Ceilings of Roof Slabs, Stairs, Landings, Chajja, Shelves, Columns, Beams and Loffs etc. including roughening, scraping and cleaning and finishing the plastered surface smooth using wooden floats only to proper plumbs and level, making grooves, beads and drip coarse to give required ornamental finish as per drawings including cost of all materials, conveyance, loading and unloading and royalties, all labour, scaffolding, watering and curing , sundries, T&P etc. complete as per direction of the Engineer-in-charge				
	Total =	64.71	Sqm	214.30	13,867.35
11	Supplying, fitting and fixing of M.S. grill, Grated doors etc made out of M.S. flats/square bars as per drawing and design fixed in position to proper plumb with cost, conveyance, Materials, labour, T&P etc. required for the complete in all respect as per the direction of Engineer-in-Charge.				
	Total =	3683.16	Kg	99.31	365,774.62
12	Providing and Painting with Two Coats Weather Coat Paint (exterior grade) of approved make & shade manufactured by reputed manufacturer make an even finished surface over a coat of water bound cement primer and wall putty in all heights with all scaffolding and staging charges including cost, conveyance, cost of all labours, T & P, sundries etc. as required for the work complete.				
	Total =	267.21	Sqm	185.60	49,594.18
13	Painting two coats of synthetic enamel paint over Iron Works as per approved shade of approved quality over a coat of primer, sand papering, polishing the surface including cost, conveyance,labour, T&P, scaffolding etc. as required for the work complete as per direction of Engineer-in-charge. (The paints and primer are to be approved before procurement and use)				
	Total =	44.41	Sqm	268.10	11,906.32
Total Amount (Rs.) =					1,203,526.84
Say (Rs.) =					1,203,527.00

Estimate for the work- Construction of Barbed Fencing at the Side & Backside of School Buidling

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A.	INTERNAL P.H. & SANITARY WORK				
Sl. No.	Description of work	Unit	Qty.	Rate	Amount Rs.
1	Providing and fixing Chlorinated Polyvinyl Chloride [CPVC] pipes SDR-11 conforming to IS:15778, having thermal stability for hot & cold water supply , including all CPVC plain & brass threaded fitting including fixing the pipe with clamps at 1.00m spacing . This includes jointing of pipes and fittings with one stp CPVC solvent cement and testing of joints complete as per specification and direction of Engineer-in-charge.				
	20 mm PVC sch-80 pipes	Mtr	70.0	307.60	21532.00
	25 mm PVC sch-80 pipes	Mtr	70.0	426.80	29876.00
	32 mm PVC sch-80 pipes	Mtr	100.0	587.20	58720.00
	50 mm PVC sch-80 pipes	Mtr	120.0	1201.50	144180.00
2	Supplying all materials,labour and T&P for cutting holes through existing brick work including making good to the same in cement mortar(1:4) for taking G.I. pipes and fittings /P.V.C. pipes and fittings all complete as per specification.				
	250mm Thick	Each	38.0	66.90	2542.20
3	Supplying all materials,labour and T&P for cutting holes in R.C.C. floors and roofs up to 19 cm. thick including for passing GI / PVC pipes and fittings etc. and repairing the holes after insertion of pipes etc. with cement concrete 1:2:4 including finishing complete to make it leak proof leak to the damages all complete as per specification and direction of the Engineer-in-charge.				
		Each	7.0	219.10	1533.70
4	Supplying all materials,labour and T&P for cutting groves in pucca floor and walls for taking G.I. pipes and fittings /P.V.C. pipes and fittings and making good to the damages all complete as per specification.				
		Mtr	70.0	275.70	19299.00
5	Supplying all materials, labour T&P and fitting and fixing brass/CP fittings of the following nominal bore with supply of all jointing materials complete as per specification and direction of the Engineer-in-charge.				
a)	Supplying all labour and T&P for fixing 2 in 1 bib cock of the following size as per specification all complete.				
		Each	16.0	1308.30	20932.80
b)	Supplying all labour and T&P for fixing long body bib cock of the following size as per specification all complete.15mm Dia				
		Each	4.0	1078.20	4312.80

Sl. No.	Description of work	Unit	Qty.	Rate	Amount Rs.
c)	Supplying all labour and T&P for fixing CP Angular stop cocks polished bright confirming to IS:781-1995 of the following nominal sizes as per specification all complete. 15mm Dia				
		Each	28.0	937.60	26252.80
d)	Supplying fitting fixing of C.P Pillar Taps highpressure lettered Hot and cold with long screws shanks and back nuts of the following nominal bore as per specification. (Make-Somany/Cera/Hindware) 15mm Dia				
		Each	17.0	1475.00	25075.00
e)	Supplying all labour and T&P for fixing CP short body Bib cock [taps] polished bright confirming to IS:781-1995 of the following nominal sizes as per specification all complete .				
		Each	3.0	915.50	2746.50
f)	Supplying all labour and T&P for fixing U.P.V.C Ball valve [horizontal plungr type] confirming to IS:1703-1977 of the following nominal sizes as per specification all complete.) 25mm Dia	Each	6.0	687.10	4122.60
g)	Supplying all labour and T&P for fixing U.P.V.C Ball valve [horizontal plungr type] confirming to IS:1703-1977 of the following nominal sizes as per specification all complete. 32mm Dia	Each	4.0	1421.60	5686.40
h)	Supplying all labour and T&P for fixing U.P.V.C Ball valve [horizontal plungr type] confirming to IS:1703-1977 of the following nominal sizes as per specification all complete. 50mm Dia	Each	2.0	3125.10	6250.20
i)	Providing and fixing C.P. Brass Extension Nipple 1 inch with extension piece as per direction of Engineer-in-charge.	Each	15.0	594.39	8915.85
j)	Supplying fitting fixing of CP waste of the following noninal diameter for wash hand basin and sink as per specification.	Each	14.0	380.10	5321.40
k)	Supplying all materials,labour and T&P for fixing CP Gratings of the following nominal diameter of outlet, of self cleaning design with sand cast iron screwed down or hinged grating with or without vent arm including cutting and making good to the walls and floors etc. all complete as per specification.				
		Each	38.0	1190.40	45235.20

Sl. No.	Description of work	Unit	Qty.	Rate	Amount Rs.
1)	Providing and fixing of approved make and model for Chrome plated Grab Bar, for Physically challenged toilet, The work shall include the cutting of walls or floors & making good, complete as per direction of Engineer in Charge.				
		Each	1.0	4387.44	4387.44
6	Supplying fitting fixing of C.P health faucet high pressure lettered Hot and cold with long screws shanks and back nuts of the following nominal bore as per specification.				
	15mm dia CP Health Faucet of 1mtr long PVC tube				
		Each	8.0	809.80	6478.40
7	Providing and fixing of Rational moulded polyethylene cylindrical vertical water storage tanks confirming to IS:12701-1996 including cutting holes through the tank and fixing mild steel tubes and fittings and providing extra sockets and jam nuts, fixing ball valve etc. including hoisting up to a height of 5.00m above ground level and placing the tank to the required position etc. all complete as per specification and direction of the engineer-in-charge.				
i)	Overhead water storage tanks	Lit.	8000.0	13.59	108753.92
ii)	Extra over item no.3.1.8 for hoisting Rational moulded polyethylene cylindrical vertical water storage tanks of following sizes for every additional height of 5.00m. Or part thereof complete as per specification and direction of the engineer-in-charge.				
	Water storage tanks	Each	4.0	1248.00	4992.00
8	Supplying all materials, labour, T&P and fitting and fixing U-PVC SWR soil waste ventilating pipes and fittings of the following outside diameter conforming to ISI No 13592/1992 to walls with nails, bobbins and wooden plugs or laying in trenches including jointing with supply of approved rubber lubricant by non-heat application method/as per manufacturer's specification, testing, earthwork in excavation in all kinds of soil and refilling of trenches as per specification and direction of the Engineer-In-Charge.				
	110mm diameter PVC SWR pipes	Mtr	105.0	391.30	41086.50
	75mm diameter PVC SWR pipes	Mtr	90.0	242.90	21861.00
	110mm PVC door Tee	Each	12.0	388.60	4663.20
	75mm PVC door Tee	Each	5.0	293.00	1465.00
	110mm PVC offset	Each	10.0	138.00	1380.00
	110mm PVC door bend	Each	10.0	216.40	2164.00
	75mm PVC door bend	Each	10.0	114.10	1141.00
	110mm PVC plain shoe bend	Each	10.0	170.80	1708.00
	75mm PVC plain shoe bend	Each	10.0	83.20	832.00
	110mm PVC vent cowl	Each	10.0	86.60	866.00
	75mm PVC vent cowl	Each	0.0	73.00	0.00
	110mm S-trap	Each	12.0	629.70	7556.40
	110mm P-trap	Each	1.0	348.20	348.20

Sl. No.	Description of work	Unit	Qty.	Rate	Amount Rs.
	110mm SWR Pipe Clip	Each	105.0	30.40	3192.00
	75mm SWR Pipe Clip	Each	90.0	23.40	2106.00
	110/75 mm Dia Reducer/Connector	Each	5.0	258.50	1292.50
	90mm Nahani Trap	Each	33.0	145.60	4804.80
9	Supplying all materials,labour and T&P for fixing of PVC 10 ltr capacity low level flushing cistern with manually controlled device[handle cover] confirming to IS 7231 with fittings and fixtures etc. all complete as per specification.				
	10 Liters capacity PVC cistern				
		Each	16.0	1954.30	31268.80
10	Supplying all materials,labour and T&P for fixing water closet ,squatting pan(Indian type.W.C.pan or Orissa pan) confirming to IS 2556 : Part-3-2004 duly embedded in cement concrete (1:4:8) using 40mm.nominal size h.b.g. chips [including foot rest for I.W.C. and trap] all complete as per specificationand directon of theEngineer - in - charge.				
		Each	8.0	3837.70	30701.60
11	Supplying all materials,labour and Supplying all materials,labour and T&P for fixing in cement mortar (1:3) a pair of white vitereous china (250x130x30mm.) foot rest for squatting water closet. etc. all complete as per specificationand direction of the Engineer-in-charge.				
		Pair	8.0	560.90	4487.20
12	Supplying all materials,labour and T&P for Supplying all materials,labour and T&P for fixing wash down water closet (European type W.C.) with integral "S" or "P" trap tothe floor with wooden plug and chromium plated screw including jointing the trap with soil pipe in cement mortar (1:1) etc. all complete as per specification.				
		Each	7.0	3175.60	22229.20
13	Supplying all materials,labour and T&P for fixing plastic seat and cover for wash down water closet with chromium plated brass hinges and rubber buffers all complete as per specification.				
		Each	7.0	923.40	6463.80
14	Supplying all materials,labour and T&P for fixing wash hand basin (SS Made) with hole for pillar taps confirming to IS 2556:part4-2004 with cast iron /M.S. brackets painted white including cutting holes in walls and making good to the damages etc. all complete as per specification.				

Sl. No.	Description of work	Unit	Qty.	Rate	Amount Rs.
		Each	12.0	4599.30	55191.60
15	Supplying all materials,labour and T&P for fixing corner wash hand basin with hole for pillar taps confirming to IS 2556:part4-2004 with cast iron /M.S. brackets painted white including cutting holes in walls and making good to the damages etc. all complete as per specification.				
		Each	4.0	2666.60	10666.40
16	Supplying all materials,labour and T&P for fixing Pedestal for wash hand basin complete recessed at the back for the reception of pipe and fittings etc. all complete as per specification including cost of pedestal for wash basin				
		Each	4.0	2621.90	10487.60
17	Supplying all materials,labour and T&P for fixing of 600x450 bevelled edge mirror of superior glass mounted on 6mm thick ac sheet or ply wood sheet and fixed to wooden plugs with chromium plated brass screws and washers etc. All complete as per specification .				
	600mmx450mm size B.E.mirror	Each	12.0	2167.70	26012.40
18	Supplying all materials,labour and T&P for fixing standard size glass self with chromium plated brass brackets fixed to wooden plugs with chromium plated brass screws and washers etc. all complete as per specification.				
		Each	13.0	801.70	10422.10
19	Supplying all materials,labour and T&P for fixing standard size C. P. towel rail fixed with chromium plated brass brackets fixed to wooden plugs with chromium plated brass screws complete as per specification.				
		Each	8.0	1080.10	8640.80
20	Supplying all materials,labour and T&P for fixing of chromium plated brass soap dish complete with chromium plated brass brackets fixed to wooden plugs with chromium plated brass screws as per specification.				
		Each	16.0	354.40	5670.40

Sl. No.	Description of work	Unit	Qty.	Rate	Amount Rs.
21	Supplying all materials,labour and T&P for fixing standard size C. P. towel ring fixed fixed to wooden plugs with cromium plated brass screws complete as per specification.	Nos	16.0	546.80	8748.80
22	Supplying all materials,labour and T&P for fixing of liquid soap container - glass container or plastic container with chromium plated brass lid and brackets fixed to wooden plugs with chromium plated brass screws as per specification.	Nos	4.0	1768.50	7074.00
23	Supplying all materials,labour and T&P for fixing stainless steel AISI 304 [18/8] Kitchen sink as per IS 13983 with cast iron bracet and stainless steel plug including painting of fittings and brackets ,cutting and making good to the walls etc. all as per specification including cost of sink with all accessories.				
		Nos	2.0	6159.20	12318.40
24	Supplying all labour and T&P for fixing CP Concealed stop cocks polished bright confirming to IS:781-1995 of the following nominal sizes as per specification all complete.	Each	8.0	1124.00	8992.00
25	Supplying all materials,labour and T&P for fixing Porcelain Urinal respectively with waste pipe by means of white lead mixed with chopped hemp etc. all complete as per specification.	Each	8.0	7594.20	60753.60
26	Fixing standard size Chromium Plated brass or glazed porcelain Toilet paper holder fixed to woden plugs with Chromium Plated brass screws complete as per specification and direction of the Engineer in charge.	Each	2.0	1190.30	2380.60
27	Providing and fixing approved quality E.W.C Matrix Set with grab bar set for Handicap (Accessible) Toilet consisting of stainless steel grab bars and support fittings required for differently-abled users, conforming to universal accessibility standards. The set shall include wall-mounted horizontal and vertical support bars near WC and wash basin area, made of SS 304 grade stainless steel with satin/matt finish, complete with necessary brackets, anchor fasteners, screws, bends, end caps, and accessories. The arrangement shall provide safe support and ease of movement for wheelchair users and physically challenged persons. Installation shall be done in proper alignment, level, and position as per approved drawings and accessibility guidelines, complete in all respects as per the direction of the Engineer in charge.	Each	1.0	79800.00	79800.00

	Total Rs.				1055922.11

B.	EXTERNAL P.H. & SANITARY WORK				
Sl. No.	Description of Work	Unit	Qty	Rate	Amount Rs.
1	Supplying all materials, labour, T & P and constructing Gully trap chamber of the following inside size with 8 cm thick R.C.C. precast cover slab in CC (1:2:4) mix using 12mm size h.g. chips, foundation concrete (1:4:8) using 40mm size h.g. metal on bed around trap, Fly Ash brickwork in CM (1:6) in P&F and inside 12mm thick cement plastering (1:3) finished with a floating coat of neat cement including fixing 100mm x100mm size gully trap, 150mm x150mm C.I gratig etc. all complete as per aproved drawing, specification and direction of Engineer-in-charge.				
	250mmx250mm with RCC cover	Each	10.00	1691.50	16915.00
2	Constructing inspection chamber with R.C.C top slab in (1:2:4) mix, foundation concrete (1:3:6), inside plaster 12mm thick with cement mortar (1:3) finished with neat cement punning, 12mm thick outside cement plaster (1:3), brick work with K.B bricks having crushing strength not less than 75kg/cm ² with dimensional tolerance \pm 8 percent in cement mortar (1:5), cement concrete (1:2:4) finished smooth using 12mm size h.g chips, earthwork in excavation in all kinds of soil and refilling the cavity around the chamber complete as per specification.				
	Inspection Chamber inside size 750mm x 750mm and 450mm	Each	8.00	13353.50	106828.00
3	Supplying all materials,labour and T&P for laying in trenches unplasticized PVC pipes and specials of the following outside dia. for all classes including jointing with approved solvent cement by non-heat application method including testing as per specification and direction of Engineer-in-charge etc. all complete. [including earth work and cost of pipes.				
a)	110 mm dia U-PVC pipes Class-3	mtr	60.00	999.10	59946.00
b)	160 mm dia U-PVC pipes Class-3	mtr	30.00	2136.70	64101.00
4	Constructing manholes with R.C.C top slab in (1:2:4) mix, foundation concrete (1:3:6), inside plaster 12mm thick with cement mortar (1:3) finished with neat cement punning, 12mm thick outside cement plaster (1:3), brick work with K.B bricks having crushing strength not less than 75kg/cm ² with dimensional tolerance \pm 8 percent in cement mortar (1:5), cement concrete (1:2:4) finished smooth using 12mm size h.g chips, earthwork in excavation in all kinds of soil and refilling the cavity around the chamber complete as per specification.				
a)	Plain Manholes inside size 900mm x 800mm and 450mm deep	each	8.00	17854.20	142833.60
5	Construction of 50 Users Septic Tank (2 No.s)				
a)-i	Earth work in excavation in foundation trenches, column foundation, pit, etc in all kind of soil including moorum stony earth and earth mixed with boulders except sheet rock and boulders not requiring blasting including dressing of sides and levelling the bed up to the required depth and depositing the excavated materials away from the work site with initial lead of 50 mtr and all lifts, including shoring, shuttering & dewatering (if required) with cost of labour, labour cess, hire & running charges of all machineries, sundries & T&P required for the work complete as directed by the Engineer in charge.	Cum	56.88	311.50	17718.12
a)-ii	Above 1.5mt. Depth	Cum	47.57	334.00	15887.71
b)	Filling the Plinth with excavated materials (excluding rock), in layers not exceeding 0.225 m in depth including cost of watering, ramming, dressing and levelling the top to proper level & gradient, cost of labour, conveyance, loading, unloading, T&P, etc, all complete as per the direction of Engineer-in-Charge.	Cum	70.71	173.10	12240.13
c)	Supplying and Filling with Sand in Foundation and Plinth in layers not exceeding 20 cm in depth, well watered and compact, top surface dressed and levelled to proper level and gradient including cost of all materials, conveyance, royalties, loading, unloading, cost of all labour, T&P, etc.All compelete as per the dirrection of Engineer-in-charge.	Cum	2.96	541.40	1601.46

Sl. No.	Description of Work	Unit	Qty	Rate	Amount Rs.
d)	Providing and lying Plain Cement Concrete of proportion (1:4:8) in foundation & floor using 40 mm & down grade black hard crusher broken granite stone metal, washed and screened sharp sand of approved quality from approved quarry including hoisting, lowering, laying the concrete, ramming, watering and curing etc. complete to required thickness including cost of all materials, conveyance, loading, unloading, royalties, taxes, cost of labours, T&P, hire & running charges of concrete mixer, etc. all complete as per the direction of the Engineer -in -charge.	Cum	2.96	5581.00	16508.60
e)	Providing and lying Plain Cement Concrete of proportion (1:3:6) in foundation & floor using 40 mm & down grade black hard crusher broken granite stone metal, washed and screened sharp sand of approved quality from approved quarry including hoisting, lowering, laying the concrete, ramming, watering and curing etc. complete to required thickness including cost of all materials, conveyance, loading, unloading, royalties, cost of labours, T&P, hire & running charges of concrete mixer, etc. all complete as per the direction of the Engineer -in -charge.	Cum	3.92	5962.80	23398.03
f)	Providing 12mm thick cement plaster in cement mortar (1:4) with neat cement punning including racking out joints, scraping and cleaning the surface and finishing the plaster surface smooth using wooden floats, bars, etc only to proper plumbs and level and making grooves, beads and drip coarse to give required ornamental finish as per drawings including cost of all materials, conveyance, loading and unloading, taxes, royalties, cost of all labour, scaffolding, staging, watering before plastering and curing, sundries and T&P, etc. complete as per direction of the Engineer-in-charge.	Sqm	15.84	209.60	3320.06
g)	Providing, lifting, hoisting and laying in position machine batched , machine mixed and machine vibrated design mix cement concrete of M-25 Including the cost of Centering and Shuttering (minimum cement content not less than 403 Kg/Cum) grade in reinforced cement concrete structural elements using black hard crusher broken granite chips of approved quality from approved quarry including mixing and compacting to proper shape and size, level and plumbs and finishing the exposed surfaces smooth including the cost of all materials, cost of labour, conveyance, loading, unloading, royalties, watering and curing for the required period, T&P , hire & running charges of concrete mixer and vibrator, cost of Admixtures in recommended proportions (as per IS 9103) to accelerate, retard setting of concrete, improve workability without impairing strength and durability etc. complete as per the direction of the Engineer-in-charge but <u>excluding the cost of steel reinforcement</u>				
i.	Base	Cum	5.47	6831.00	37338.25
ii.	Slab	Cum	4.64	12609.80	58559.91
iii.	Wall	Cum	21.33	11894.00	253734.70
h)	Providing & fixing TOR Fe-500 HYSD Reinforcement bars of required diameter and approved quality for Reinforced Cement Concrete work including straightening, cutting, bending, binding, welding(if approved) , joining (if necessary), tying the grills, hoisting, lowering and placing in position as per the approved design & drawings (BBS) with provision of standard fan hooks including the cost of all materials, cost of all labour, conveyance, loading, unloading, cost of binding wires of 18 to 20 gauge, T&P, etc, all complete as per the direction of Engineer-in-Charge. Note: (Linear measurements will be taken & quantity will be calculated on standard weight. Lap length of bars & Weight of binding wire will not be considered for measurement and payment).	Qtl.	42.45	9534.20	404708.20
i)	Supplying all materials, labour, T&P and making MS step iron in 20mm diameter MS steel bars and fixing into walls of man hole/septic tank duly embedded in cement concrete (1:3:6) complete as per specification and direction of the Engineer in charge.	Each	4.00	160.10	640.40
j)	Supplying all materials, labour, T&P and laying in trenches (to level or slope) and jointing with provision of stiff mixture of cement mortar in proportion of 1:1 for salt glazed stoneware pipes, Grade—A of the following internal diameters including testing of pipes and joints complete. 110mm diameter UPC pipe	Mtr	12.00	999.10	11989.20

Sl. No.	Description of Work	Unit	Qty	Rate	Amount Rs.
6	Constructing RCC soak way pit with R.C.C top slab in (1:2:4) mix, inside plaster 12mm thick with cement mortar (1:3) finished with neat cement punning, 12mm thick outside cement plaster (1:3), brick work with K.B bricks having crushing strength not less than 75kg/cm ² with dimensional tolerance \pm 8 percent in cement mortar (1:4), cement concrete (1:2:4) finished smooth using 12mm size h.g chips, complete as per specification.				
a)	RCC soak way pit of size 1.5m x 1.8m deep	each	8.00	10111.20	80889.60
	Borewell				
7	Supplying all materials,labour T&P and providing fitting submersible pump with squarrel cage inspection type submerssible type submersible electric motor to run on 3 phase/1 phase line voltage rangingfrom 320 volt to 450 volt conforming to IS :8034/89				
a	One no. 3 phase 2 H.P 3 stage head range 30 to 54 mtr. Discharge 155 to 200 LMP with outlate dia 32mm.	Set	1	19850.00	19850.00
b	2.5 Sq mm cable.	Mtr	70	154.00	10780.00
c	40mm dia steel short piece.	Each	2	202.00	404.00
d	Steel rope wit cover.	Mtr	70	35.40	2478.00
e	Well Cap.	Each	1	202.00	202.00
f	50mm size CI bracket.	Each	1	121.20	121.20
g	20mm dia rigid HDPE pipes.	Mtr	70	99.80	6986.00
h	Boring up to 30 mtr.	Mtr	30	890.30	26709.00
i	Boring work Above 30 mtr.	Mtr	50	890.30	44515.00
j	8" ASTM pipe SCH-80	Mtr	70	2290.46	160332.20
k	Delivery	Set	1	2000.00	2000.00
l	Labour charges for lowering of summerssible pumpset with pipes and cables etc with testing and commissioning at site.	Mtr	70	125.00	8750.00

	Total Rs.				1612285.37

INTERNAL ELECTRICAL WORK FOR SCHOOL BUILDING					
Sl. No.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT Rs.
	INTERNAL WIRING				
1	Recessed wiring to light point / first light of group control/ call bell point/ exhaust fan point /wall fan point with 1.5 sq.mm FRLSH PVC insulated single core multistrand copper conductor of ISI marked in 20 mm dia non-metalic PVC conduit with 6 Amp, 250 V clip in type switch ISI marked and ceiling rose ISI marked mounted on G.I modular box with face plate & cover of suitable size , with 1.5 sq.mm FRLSH PVC insulated single core multistrand copper conductor as earth wire including all accesories and connection as per direction of Engineer in Charge.				
	Group C	Nos.	150	1269.00	190350.00
2	Recessed wiring to secondary light point looped from primary light point with 1.5sqmm FRLSH PVC insulated single core multistrand copper conductor of ISI marked with 20mm dia non-metallic PVC conduit with 1.5sqmm FRLSH PVC insulated single core multistrand copper conductor for running earth including 3 plate ISI marked Ceiling rose with all accessories & connection as per direction of Engineer-in-charge.Average Length: 3 mtr	Nos.	55	478.00	26290.00
3	Recessed wiring to ceiling fan point with 1.5sqmm FRLSH PVC insulated single core multistrand copper conductor of ISI marked with 20mm dia non-metallic PVC conduit with 6Amp 250V Modular Switch,Stepped type Moudular Regulator, Base & Cover with 1.5sqmm FRLSH PVC insulated single core multistrand copper conductor for running earth including all accessories & connection as per direction of Engineer in charge. Group c	Nos.	65	1665.00	108225.00
4	Recessed wiring to Twin control light point with 1.5 sq.mm FRLSH PVC insulated single core multistrand copper conductor of ISI marked in 20 mm dia non-metalic PVC conduit with 6Amp, 250 V clip in type 2way switch ISI marked and ceiling rose ISI marked mounted on G.I modular box with face plate & cover of suitable size , with 1.5 sq.mm FRLSH PVC insulated single core multistrand copper conductor as earth wire including all accesories and connection as per direction of Engineer-in-charge.Group C	Nos.	10	1710.00	17100.00
5	Recessed wiring for 5 / 6 amp socket outlet with 6Amp, 250 V clip in type modular switch ISI marked mounted on G.I moular box with face plate & cover of suitable size including all accesories and connection on same switch board as per direction of Engineer-in-charge.	Nos.	53	578.00	30634.00
6	Recessed wiring for 5 / 6 amp socket outlet with 2 x 1.5 sq.mm FRLSH PVC insulated single core multistrand copper conductor of ISI marked in 20 mm dia non-metalic PVC conduit with 6Amp, 250 V clip in type switch ISI marked mounted on G.I moular box with face plate & cover of suitable size , with 1.5 sq.mm FRLSH PVC insulated single core multistrand copper conductor as earth wire including all accesories and connection on separate board as per direction of Engineer-in-charge.Group C	Nos.	5	1419.00	7095.00
7	Recessed wiring for 2 x 6 amp socket outlet controlled by 2 nos 6Amp, 250 V clip in type switch ISI marked mounted on single G.I moular box with face plate & cover of suitable size including all accesories and connection on separate board as per direction of Engineer-in-charge.	Nos.	35	1061.00	37135.00
8	Recessed wiring for 6 pin 16 amp socket outlet with 16Amp, 250 V clip in type switch ISI marked mounted on G.I moular box with face plate & cover of suitable size including all accesories and connection as per direction of Engineer-in-charge.	Nos.	20	918.00	18360.00

Sl. No.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT Rs.
9	Recessed wiring for A.C/ Power socket outlet with industrial type socket outlet, plug top and metal chained cover in sheet steel enclosure ,20A/32A SP MCB including all accesories and connection as per direction of Engineer-in-charge.	Nos.	5	1096.00	5480.00
10	Recessed wiring to exhaust fan/Wall Fan point with 1.5sqmm FRLSH PVC insulated single core multistrand copper conductor of ISI marked with 20mm dia non-metallic PVC conduit with 6Amp 250V Modular Switch, Base & Cover with 1.5sqmm FRLSH PVC insulated single core multistrand copper conductor for running earth including all accessories & connection as per direction of Engineer in charge.Group C	Nos.	22	1269.00	27918.00
11	Call bell point	Nos.	3	1432.00	4296.00
12	Recessed wiring for 3 x 6 amp socket outlet controlled by 2 nos 6Amp, 250 V clip in type switch ISI marked mounted on single G.I moular box with face plate & cover of suitable size including all accesories and connection on separate board as per direction of Engineer-in-charge.	Nos.	1	1191.00	1191.00

	SUB TOTAL				474074.00
	SUBMAIN				
13	Recessed wiring to submain in 4 x 10 sq.mm FRLSH PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 32 mm dia non-metalic heavy duty PVC conduit 1.6 mm thick along with 2 x 4 sq.mm FRLSH PVC insulated single core multistrand copper conductor as earth wire as equired.	Mtrs	75	491.00	36825.00
14	Recessed wiring to submain in 4 x 6 sq.mm FRLSH PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 32 mm dia non-metalic heavy duty PVC conduit 1.6 mm thick along with 2 x 2.5 sq.mm FRLSH PVC insulated single core multistrand copper conductor as earth wire as equired.	Mtrs	150	335.00	50250.00
15	Recessed wiring to submain in 2 x 6 sq.mm FRLSH PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 25 mm dia non-metalic heavy duty PVC conduit 1.6 mm thick along with 1 x 2.5 sq.mm FRLSH PVC insulated single core multistrand copper conductor as earth wire as equired.	Mtrs	20	238.00	4760.00
16	Recessed wiring to submain in 2 x 4 sq.mm FRLSH PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 20 mm dia non-metalic heavy duty PVC conduit 1.6 mm thick along with 1 x 1.5 sq.mm FRLSH PVC insulated single core multistrand copper conductor as earth wire as equired.	Mtrs	750	204.00	153000.00
17	Recessed wiring to submain in 2 x 2.5 sq.mm FRLSH PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 20 mm dia non-metalic heavy duty PVC conduit 1.6 mm thick along with 1 x 1.5 sq.mm FRLSH PVC insulated single core multistrand copper conductor as earth wire as equired.	Mtrs	1850	186.00	344100.00
18	Recessed wiring to submain in 2 x 1.5 sq.mm FRLSH PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 20 mm dia non-metalic heavy duty PVC conduit 1.6 mm thick along with 1 x 1.5 sq.mm FRLSH PVC insulated single core multistrand copper conductor as earth wire as equired.	Mtrs	150	172.00	25800.00

	SUB TOTAL				614735.00
19	DB				

Sl. No.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT Rs.
	Supply and fixing of following way three pole and neutral, sheet steel, MCB distribution, 415 V on surface / recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, hinged front acrylic cover for the MCB knobs detachable gland plate, interconnections, phosphatized and powder painted including earthing etc. as required with necessary MCB, RCCB / ISOLATORS as required. Note for MCB- There should be colour indication for tripping On, Off & Trip/There should be mid trip position for toggles for electrical fault conditions.				
a)	Supply, fixing, erecting, connecting and commissioning of indoor type dust and vermin proof, sheet steel clad ready made, double door horizontal type powder coated wall mounted 4 way TPN Distribution Boards For PDB suitable for 440 V, three phase, 4 wire 50 Hz AC Supply complete with bottom detachable plate for interconnections etc as below. Incommer 1 No-63A FP MCB (10KA) Outgoings-10/20A SP MCB 10KA-12Nos.	Nos.	3	14143.00	42429.00
b)	Supply, fixing, erecting, connecting and commissioning of indoor type dust and vermin proof, sheet steel clad ready made, double door horizontal type powder coated wall mounted 4 way TPN Distribution Boards For LDB suitable for 440 V, three phase, 4 wire 50 Hz AC Supply complete with bottom detachable plate for interconnections etc as below. Incommer 1 No-40A FP MCB (10KA) Outgoings-10A SP MCB 10KA-12Nos.	Nos.	3	14143.00	42429.00
c)	Supply, fixing, erecting, connecting and commissioning of indoor type dust and vermin proof, sheet steel clad ready made, double door horizontal type powder coated wall mounted 4 way TPN Distribution Boards For UPS DB suitable for 440 V, three phase, 4 wire 50 Hz AC Supply complete with bottom detachable plate for interconnections etc as below. Incommer 1 No-40A FP MCB (10KA) Outgoings-10A SP MCB 10KA-12Nos.	Nos.	3	14143.00	42429.00
	SUB TOTAL				127287.00
	CABLE				
20	Supply & Laying of one number of PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of 3.5core 150 sq.mm direct in ground including excavation, sand cushioning protective covering and refilling the trench etc. as required.	Rmt	200	1940.00	388000.00
21	Supply & Laying of one number of PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of 3.5core 95 sq.mm direct in ground including excavation, sand cushioning protective covering and refilling the trench etc. as required.	Rmt	50	1370.00	68500.00
22	Supply & Laying of one number of PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of 4 core 16 sq.mm Aluminium on surface as required.	Rmt	20	538.00	10760.00
	SUB TOTAL				467260.00
	END TERMINATION				
	Supplying and making end termination with brass compression gland and aluminum lugs for following size of PVC insulated and PVC sheathed / XLPE aluminum cable of 1.1 KV as required.				
23	3.5C x 150 sq.mm	set	2	1050.00	2100.00
24	3.5C x 95 sq.mm	set	2	950.00	1900.00
25	4C x 16 sq.mm	set	2	550.00	1100.00
	SUB TOTAL				5100.00
	PANEL				

Sl. No.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT Rs.
	Supply, installation, testing & commissioning of floor mounting front operated front access extensible type cubicle panel totally enclosed, dust and vermin proof with IP-42 /55 protection with hinged and lockable doors. CRCA sheets including interconnections, tinned copper crimping lugs, bonding to earth and painting suitable for use at 415 V, 3phase 4 wire 50 Hz system, and to withstand a fault level of 35 KA symmetrical for 1 sec at 415 V complete as per specifications, as required and as below : All switchboards shall have provision for entry of cables from the bottom as required. All live accessible parts shall be shrouded and all equipment shall be finger touch proof. The bus bars shall be insulated with heat shrinkable sleeves. SMC/DMC shrouds and busbar supports shall be used with Indication lamp, C.T , Digital Voltmeter, Digital Ammeter and control fuse etc. complete.				
26	MAIN PANEL with 150A 4P MCCB 36KA -1 No as incomer, 63A 4P MCB 10KA 4Nos, 100A 4P Change over Switch 1Nos, 40A 4P MCB 10KA-9Nos, 32A DP MCB 10KA-3Nos with E.C Busbars with 4nos 65KA VSD along with 4nos 32A SP MCB.	set	1	162292.00	162292.00
	SUB TOTAL				162292.00
	EARTHING				
27	Earthing with copper earth plate 600 mm x 600mm x 3.15 mm thick ISI marked including accessories and providing masonry with cover plate having locking arrangement and watering pipe etc with charcoal and salt as required.	Set	4	13757.00	55028.00
28	Supplying and laying 25 mm x 6 mm CU earth strip ISI marked at 0.5 meter below ground level as strip earth electrode including soldering etc. as required.	Rmt	15	729.00	10935.00
29	Supplying and laying 25 mm x 6 mm CU earth strip ISI marked on surface or in recess for connection etc as required.	Rmt	50	783.00	39150.00
30	Providing and fixing 8 SWG CU wire on surface or in recess for loop earthing as required.	Rmt	50	89.00	4450.00
	SUB TOTAL				109563.00
	FIXTURE				
	Supply, Installation, Testing and Commissioning of pre-wired fluorescent fitting / compact fluorescent fitting /LED fitting of all sizes complete with all accessories and lamp etc. directly on ceiling /wall or recessed in false ceiling , including connection with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor and earthing as required.				
31	Ceiling mounted indoor type batten type LED Luminaire with LED Lamp	Nos	130	470.00	61100.00
32	Ceiling/ Wall mounted type BULK HEAD Luminaire	Nos	10	1074.00	10740.00
33	Supply, Installation, testing and commissioning of 10W Mirror Light	Nos	15	309.00	4635.00
34	Supply, Installation, Testing and Commissioning of ceiling fan 1200mm sweep, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor etc. as required. BLDC 5 Star	Nos	65	3949.00	256685.00
35	Supply, Installation, testing and commissioning of exhaust fan of 250 mm PLASTIC Exhaust Fan (Ventilation Fan) complete, connection, etc as required. 250MM CRISP AIR EXH FAN.	Nos	17	1788.00	30396.00
36	Supply & fixing of 18W LED Down Light (S/R) with all accessories.	Nos	50	1060.00	53000.00
37	Supply & fixing of LED 36w 2'x2' Surface/Recessed Mounted Light as required .	Nos	15	1923.00	28845.00
38	Supply & fixing of 6W LED Down Light (S/R) with all accessories.	Nos	10	539.00	5390.00
39	Supply, Installation, testing and commissioning of wall fan of 400 mm sweep as required. Model-400mm STRIKER HI SPEED.	Nos	5	3089.00	15445.00
	SUB TOTAL				466236.00
	PERFORATED CABLE TRAY				

Sl. No.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT Rs.
	Supply and installation of Pregalvanised Perforated type cable trays without cover. The rate shall include bends, Tees, all supporting brackets, anchor fasteners, screws, bolts, nuts etc., including painting of cable trays. Thickness of sheet steel shall be 2 mm. Support sizes similar to ladder type trays.				
40	Size of Cable Tray :300 mm x 50 mm	Rmtr	10	777.00	7,770.00
41	Size of Cable Tray :150 mm x 50 mm	Rmtr	40	604.00	24,160.00
	SUB TOTAL				31930.00
	TV /TEL & DATA				
42	Supplying and fixing of clip in type modular Telephone socket ISI marked mounted on G.I modular box with face plate & cover of suitable size ,including all accesories and connection as per direction of Engineer in Charge.	Nos	10	382.00	3820.00
43	Supplying and fixing of clip in type modular T.V. antenna socket ISI marked on mounted on G.I modular box with face plate & cover of suitable size , including all accesories and connection as per direction of Engineer in Charge.	Nos	10	392.00	3920.00
44	Supplying and drawing 4 pair, 0.5 sq.mm FR PVC insulated coper conductor, unarmoured telephone cable in existing surface / recessed PVC conduit as required.	Rmt	250	45.00	11250.00
45	Recessed wiring to television point with cable RG-6 grade, 0.7 mm solid copper conductor PE insulated shielded with fine tined copper braid and protected with FR PVC sheath in in existing surface / recessed PVC conduit as required as per direction of Engineer in Charge.	Rmt	150	40.00	6000.00
46	Supplying and fixing of following sizes PVC conduit along with accessories in recessed wiring including cutting the wall and making good the same in case of recessed conduit as required.				
	20mm	Rmt	250	103.00	25750.00
47	Supplying and fixing of 16 / 18 SWG metal box of 200 mm x 150 mm x 60 mm deep on surface / recess with suitable size of phenolic laminated sheet cover in front including cutting the wall and making good the same in case of recessed conduit as required. (Tel junction Box)	Nos	1	180.00	180.00
48	Supplying & Commissioning of Telephone Hand Set.	Nos	10	734.00	7340.00
49	Supplying & installation of 100 pair KRONE make moudles with locking & key arrangements fabricated with MS sheet & powder coated to be fixed on concealed manner incl. good the damages.	set	1	2500.00	2500.00
50	SITC of 4 pair Cat6 23 awg U/UTP LSZH Cable in the existing surface/ recessed steel/ PVC conduit as required: The 4 pair Unshielded Twisted Pair cable shall be UL Listed,exceeds the requiremets of ANSI/TIA-568-C.2 and ISO/IEC 11801 Class E , 4 twisted pairs separated by internal PE Cross Separator. Full separator. Half shall not be accepted. Rip Cord is must,Insertion Loss of 32.8 db/100m at 250 MHz ,Cable should support operating temperature from -20° to +70°C Cable support Conductor Resistance ≤ 9.38 Ω/100m Max., Cable support Delay Skew: < 45 ns/100m, Operating Voltage: 72V , Impedance: 100 ± 15 Ω @100 MHz. and Propagation Delay @250 MHz : 536 ns/100m, ETL Verified 4 connector channel performance up to 700 MHz , RoHS Compliant.	Mtr	750	83.00	62250.00
51	Supply & fixing of RJ-45Jack of Category 6 with Dual-port British-style Face plate 86x86 mm with Curveture and wall mount box.	Nos	20	947.00	18940.00
	SUB TOTAL				141950.00
	TOTAL INTERNAL ELECTRICAL WORK=				2600427.00

<u>ABSTRACT</u>			
Name of the Work: - Construction of Godabarisha Mishra Adarsh Prathamik Vidyalaya (GMAPV) at GOVT.HS, Madhupur, Odisha,Kalan G.P,Rasalpur Block,Dist-Jajpur			
<u>Model-1 Drawing</u>			
Sl. No.	Description of Works		Amount in Rs.(Excl. GST)
A	CIVIL WORKS: -		
i.	School Building (Ground Floor Only) Foundation for G+1		
a.	Ground Floor	Rs.	41,645,247.00
b.	Head Room & Terrace	Rs.	3,820,822.00
ii.	Frontside Compound Wall (75 Mtr) & Gate	Rs.	1,223,387.00
iii.	Barbed Fencing (300 Mtr)	Rs.	273,132.00
iv.	Site Filling	Rs.	279,118.71

	SUB TOTAL (A) :	Rs.	47,241,706.71
B	PH WORKS: -		
i.	Internal PH & Sanitary Works	Rs.	1,056,648.11
ii.	External PH Works		1,641,237.80

	SUB TOTAL (B) :	Rs.	2,697,885.91
C	ELECTRICAL WORKS: -		
i.	Internal Electrical Works	Rs.	2,600,427.00

	SUB TOTAL (C) :	Rs.	2,600,427.00
D	TOTAL (A+B+C) =	Rs.	52,540,019.62

BILL OF QUANTITIES (CIVIL WORK)									
Sl. No.	Description of items	GF	TERRACE	C.WALL	OTHER	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
	DISMANTLING WORKS								
	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc.complete					0			
	(a) Ground Floor					0	Sqm	10.50	
	(b) First Floor					0	Sqm	10.50	
	Dismantling brick or stone masonry in lime or cement mortar above 3m. height including stacking the useful materials for reuse and removing the debris within 50m. Lead					0			
	(a) Ground Floor					0	Cum	1743.48	
	(b) First Floor					0	Cum	1830.70	
	Removing old lime or cement plaster from walls including raking out joints 12 mm deep and removing the debris within 50m lead					0			
	(a) Ground Floor					0	Sqm	58.95	
	(b) First Floor					0	Sqm	61.90	
	(c) Second Floor					0	Sqm	65.00	
	Dismantling and removing old tiled flooring including removing the base coarse and stacking the useful materials for reuse and removing the debris within 50m lead					0			
	(a) Ground Floor					0	Sqm	147.37	
	(b) First Floor					0	Sqm	154.70	
	Dismantling and removing old tiled cladding from walls including racking out joints 12mm deep stacking the useful materials for reuse and removing the debris within 50m lead					0			
	(a) Ground Floor					0	Sqm	76.64	
	(b) First Floor					0	Sqm	80.50	
	Dismantling and removing doors, windows and ventilators including removal of frame, hinges, fastening and stacking the same for reuse and removing the debris within 50m lead					0			
	(a) Ground Floor					0	Sqm	465.14	
	(b) First Floor					0	Sqm	498.40	
	Dismantling and removing cement concrete including stacking the useful materials for reuse and removing the debris within 50m lead					0			
	(a) Ground Floor					0	Cum	877.16	
	(b) First Floor					0	Cum	921.00	
	Dismantling and removing R.C.C. columns beams slab staircase landing, lintels including stacking the useful materials for reuse and removing the debris within 50m lead.					0			
	(a) Ground Floor					0	Cum	1731.81	
	(b) First Floor					0	Cum	1818.40	
	Dismantling G.C.I. or A.C. sheet roofing after carefully removing the bolts and nuts including stacking of the materials for reuse and removing the debris within 50m lead					0			
	(a) Terrace Floor					0	Sqm	106.28	
	Dismantling wrought and framed timber in roof frame work of floors after careful removal of nail, bolts etc. and stacking of the materials for reuse and removing the debris within 50m lead					0			
	(a) Terrace Floor					0	cum	1478.95	
	Dismantling and removing 2.5 cm thick grading concrete from roof slab cleaning the surface lowering and removing the debris within 50m lead					0			
	(a) Ground Floor					0	Sqm	132.63	
	(b) First Floor					0	Sqm	139.30	
	(a) Terrace Floor					0	Sqm	146.20	
	Disposal of moorum/building rubbish/ malba/ similar unserviceable, dismantled or waste material by mechanical transport including loading, transporting, unloading to approved municipal dumping ground for lead upto 10 km for all lifts, complete as per directions of Engineer-in-charge.					0			
	(a) Ground Floor					0	Cum	330.80	
	(b) First Floor					0	Cum	330.80	
	(c) Second Floor					0	Cum	330.80	
						0			
						0			
	Cutting of trees, including cutting of trunks, branches and removal of stumps, roots, stacking of serviceable material with all lifts and up to a lead of 1000 metres and earth filling in the depression/pit.					0			
	Girth from 300mm to 600mm					0	Each	385.00	
(i)	CIVIL WORK								
1	Clearing and grubbing roads and land including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees girth up to 300 mm, removal of stumps of trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used or auctioned, up to a lead of 1000 metres including removal and disposal of top organic soil not exceeding 150 mm in thickness.					0	Sqm	8.63	
1	Excavation, loading, unloading and carriage by mechanical means of all kinds of soil, including stoney earth, gravel and moorum etc interspread with boulders upto 1/2 cum size with all lifts and delifts including trimming of slopes and bed to design section and depositing the the excavated materials away from work site as per the specification and as directed by the Engineer-in-charge within an initial lead of 1km from the place of excavation complete.								
	From 1.5mtr Depth to 3.0mtr Depth	2510.47		136.79		2647.26	Cum	99.50	263,402.37
						0			
2	Earth work in excavation in foundation trenches, column foundation, pit, etc in all kind of soil including moorum stony earth and earth mixed with boulders except sheet rock and boulders not requiring blasting including dressing of sides and levelling the bed up to the required depth and depositing the excavated materials away from the work site with initial lead of 50 mtr and all lifts, including shoring, shuttering & dewatering (if required) with cost of labour, labour cess, hire & running charges of all machineries, sundries & T&P required for the work complete as directed by the Engineer in charge.					0			
	Upto 1.5mtr Depth					0	Cum	311.50	
	From 1.5mtr Depth to 3.0mtr Depth					0	Cum	334.00	
2	Filling the Plinth with excavated materials (excluding rock), in layers not exceeding 0.225 m in depth including cost of watering, ramming, dressing and levelling the top to proper level & gradient, cost of labour, conveyance, loading, unloading, T&P, etc, all complete as per the direction of Engineer-in-Charge.								
		418.41				418.41	Cum	173.10	72,426.77
3	Filling the Foundation, Sides of Foundation, etc. in mechanical means with excavated materials (excluding rock), in layers not exceeding 0.225 m in depth including cost of watering, ramming, dressing and levelling the top to proper level & gradient, cost of machinery, conveyance, loading, unloading, T&P, etc, all complete as per the direction of Engineer-in-Charge.								
		1673.65		91.19		1764.84	Cum	99.50	175,601.58
	Disposal of surplus/ excavated materials by mechanical means within 5km. Lead away from the site including cost of all labour, T&P complete as per the direction of the Engineer-in-charge.					0			
	(a)Ground Floor					0	Cum	278.80	
4	Supplying, diluting and preparing chemical emulsion like Imidacloprid 30.5 % SC or other chemicals approved by Central Insecticides Board or as directed by the manufacturer and spraying the mixture uniformly by sprayer as Pre/Post-Constructional Anti-termite Treatment conforming to IS 6313 (Part-II) including the cost of all materials, cost of all labour, conveyance, loading, unloading, T&P, etc. all complete as per the direction of Engineer-in-Charge.								

		1818.06				1818.06	sqm	138.20	251,255.89
5	Supplying and Filling with Sand in Foundation and Plinth in layers not exceeding 20 cm in depth, well watered and compact, top surface dressed and levelled to proper level and gradient including cost of all materials, conveyance, royalties, loading, unloading, cost of all labour, T&P, etc.All complete as per the direction of Engineer-in-charge.								
		240.52		6.62		247.14	Cum	804.40	198,799.42
6	Providing and lying Plain Cement Concrete of proportion (1:3:6) in foundation & floor using 40 mm & down grade black hard crusher broken granite stone metal, washed and screened sharp sand of approved quality from approved quarry including hoisting, lowering, laying the concrete, ramming, watering and curing etc. complete to required thickness including cost of all materials, conveyance, loading, unloading, royalties, cost of labours, T&P, hire & running charges of concrete mixer, etc. all complete as per the direction of the Engineer -in -charge.								
		422.20		11.63		433.83	Cum	6355.30	2,757,119.80
	Depth 1.5 to 4.5mtr lvl					0	Cum	6693.90	
6	Providing and lying Plain Cement Concrete of proportion (1:4:8) in foundation & floor using 40 mm & down grade black hard crusher broken granite stone metal, washed and screened sharp sand of approved quality from approved quarry including hoisting, lowering, laying the concrete, ramming, watering and curing etc. complete to required thickness including cost of all materials, conveyance, loading, unloading, royalties, taxes, cost of labours, T&P, hire & running charges of concrete mixer, etc. all complete as per the direction of the Engineer -in -charge.					0			
	Ground Floor					0	Cum	5970.00	
	Depth 1.5 to 4.5mtr lvl					0	Cum	6308.70	
7	Providing and laying in position of plain cement concrete 1:2:4 (1 Cement :2 Sand :4 Coarse Aggregate) in floors using 12mm size hard broken crusher broken granite stone metal, washed and screened sharp sand of approved quality from approved quarry including hoisting, lowering, laying the concrete, ramming, watering and curing etc. complete to required thickness including cost of all materials, conveyance, loading, unloading, royalties, cost of labours, T&P, hire & running charges of concrete mixer, etc. all complete as per the direction of the Engineer -in -charge.								
	Ground Floor			0.00		0	Cum	7995.60	
	RCC WORK								
	Providing, lifting, hoisting and laying in position machine batched , machine mixed and machine vibrated design mix cement concrete of M-25(minimum cement content not less than 403 Kg/Cum) grade in reinforced cement concrete structural elements using black hard crusher broken granite chips of approved quality from approved quarry including mixing and compacting to proper shape and size, level and plumbs and finishing the exposed surfaces smooth including the cost of all materials, cost of labour, conveyance,loading, unloading, royalties, watering and curing for the required period, T&P , hire & running charges of concrete mixer and vibrator, cost of Admixtures in recommended proportions (as per IS 9103) to accelerate, retard setting of concrete, improve workability without impairing strength and durability etc. complete as per the direction of the Engineer-in-charge but excluding the cost of steel reinforcement & centring shuttering.					0			
	Ground Floor					0	Cum	6835.50	
	First Floor					0	Cum	6960.30	
7	Providing, lifting, hoisting and laying in position machine batched , machine mixed and machine vibrated design mix cement concrete of M-25 Including the cost of Centering and Shuttering (minimum cement content not less than 403 Kg/Cum) grade in reinforced cement concrete structural elements using black hard crusher broken granite chips of approved quality from approved quarry including mixing and compacting to proper shape and size, level and plumbs and finishing the exposed surfaces smooth including the cost of all materials, cost of labour, conveyance,loading, unloading, royalties, watering and curing for the required period, T&P , hire & running charges of concrete mixer and vibrator, cost of Admixtures in recommended proportions (as per IS 9103) to accelerate, retard setting of concrete, improve workability without impairing strength and durability etc. complete as per the direction of the Engineer-in-charge but excluding the cost of steel reinforcement.								
	(A)R.C.C. foundation and footing bases of columns mass concrete pre-cast slab etc.								
	(a)Ground Floor	341.22		9.00		350.22	Cum	7210.20	2,525,156.24
	R.C.C. Plinth Beam								
	(a)Ground Floor	135.85		5.63		141.48	Cum	8084.60	1,143,809.21
	(B)R.C.C. Column &cRoof Beam								
	Ground Floor	291.80		3.09		294.89	Cum	16593.00	4,893,109.77
	Terrace		34.40			34.4	Cum	18669.30	642,223.92
	Second Floor					0	Cum	21154.70	
	Third Floor					0	Cum	24130.00	
	Fourth Floor					0	Cum	27692.00	
	Fifth Floor					0	Cum	31956.90	
	SiXth Floor					0	Cum	37064.00	
						0			
	(C)R.C.C. Slab								
	Ground Floor	242.35		0.42		242.77	Cum	12989.00	3,153,339.53
	Terrace		13.65			13.65	Cum	14344.60	195,803.79
	Second Floor					0	Cum	15965.00	
	Third Floor					0	Cum	17902.40	
	Fourth Floor					0	Cum	20218.90	
	Fifth Floor					0	Cum	22989.20	
	SiXth Floor					0	Cum	26302.70	
						0			
	(D)R.C.C. Staircase								
	Ground Floor	10.09				10.09	Cum	16455.20	166,032.97
	Terrace					0	Cum	18504.00	
	Second Floor					0	Cum	20956.40	
	Third Floor					0	Cum	23892.00	
	Fourth Floor					0	Cum	27406.40	
	Fifth Floor					0	Cum	31614.30	
	SiXth Floor					0	Cum	36652.80	
						0			
	(E)R.C.C. lintel								
	Ground Floor	33.16				33.16	Cum	14924.00	494,879.84
	Terrace		0.97			0.97	Cum	16666.60	16,166.60
	Second Floor					0	Cum	18751.40	
	Third Floor					0	Cum	21246.00	
	Fourth Floor					0	Cum	24231.40	
	Fifth Floor					0	Cum	27804.30	
	SiXth Floor					0	Cum	32080.70	
						0			
	(F)R.C.C. Fins								
	Ground Floor	17.02				17.02	Cum	12273.30	208,891.57
	First Floor					0	Cum	13485.70	
						0			
						0			
						0			
	R.C.C. Grade Slab					0			

	Ground Floor					0	Cum	7210.20	
	Double under reamed pile foundation with R.C.C. M25 using 12mm size black hard granite (crusher broken)stone chips including cost of boreholes but excluding cost of M.S. rod/Tor steel and labour chrges for cutting, bending and binding of steel.					0			
	450mm Dia & 6.00Mtr Long Per One Pile					0	Nos	16921.24	
	For Each Addl. Depth of 0.50Mtr Beyond Initial Depth of 6.0Mtr add Extra to Rate					0	Nos	805.40	
8	Providing & fixing TOR Fe-500 HYSD Reinforcement bars of required diameter and approved quality for Reinforced Cement Concrete work including straightening, cutting, bending, binding, welding(if approved) , joining (if necessary), tying the grills, hoisting, lowering and placing in position as per the approved design & drawings (BBS) with provision of standard fan hooks including the cost of all materials, cost of all labour, conveyance, loading, unloading, cost of binding wires of 18 to 20 gauge, T&P, etc, all complete as per the direction of Engineer-in-Charge. Note: (Linear measurements will be taken & quantity will be calculated on standard weight. Lap length of bars & Weight of binding wire will not be considered for measurement and payment).								
	Ground Floor	1304.17		22.54		1326.71	Qntl	9540.50	12,657,476.76
	Terrace		74.31			74.31	Qntl	9574.56	711,485.55
	Second Floor					0	Qntl	9610.37	
	Third Floor					0	Qntl	9648.00	
	Fourth Floor					0	Qntl	9687.40	
	Fifth Floor					0	Qntl	9728.90	
	SiXth Floor					0	Qntl	9772.40	
						0			
	BRICK WORK					0			
9	Providing and laying Brick Masonry work in Foundation & Plinth using Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm2 with dimensional tolerance + 2 % confirming to IS 12894 and IS 2212 in cement mortar (1:6) after immersing the bricks for minimum 6 hours in water before use, with all necessary projections, splays cutting, circular moulding, corbelling, etc. as per the drawings including the cost of all materials, cost of all labour, conveyance, royalties, loading, unloading, scaffolding, staging, watering and curing, sundries, T&P, etc. complete as per the direction of the Engineer-in-charge.								
	(a)Ground Floor	194.50		17.34		211.84	Cum	5559.00	1,177,618.56
10	Providing and laying Brick masonry work in Superstructure using Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm2 with dimensional tolerance + 2 % confirming to IS 12894 and IS 2212 in cement mortar (1:4) for Half Brick Masonry Wall with provisions for 2 nos 6mm dia MS bar at each 4th layer after immersing the bricks for minimum 6 hours in water before use, with all necessary projections, splays cutting, circular moulding, corbelling, etc. as per the drawings including the cost of all materials, cost of all labour, conveyance, royalties, loading, unloading, scaffolding, staging, watering and curing, sundries, T&P, etc. complete as per the direction of the Engineer-in-charge. (Excluding Cost Of Steel Reinforcement).								
	Ground Floor	34.41				34.41	Cum	5810.50	199,939.31
	Terrace					0	Cum	6196.40	
	Second Floor					0	Cum	6640.30	
	Third Floor					0	Cum	7150.80	
	Fourth Floor					0	Cum	7737.80	
	Fifth Floor					0	Cum	8412.90	
	SiXth Floor					0	Cum	9189.20	
11	Providing and laying of Full Brick Masonry work in Superstructure using Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm2 with dimensional tolerance + 2 % confirming to IS 12894 and IS 2212 in cement mortar (1:6) after immersing the bricks for minimum 6 hours in water before use, with all necessary projections, splays cutting, circular moulding, corbelling, etc. as per the drawings including the cost of all materials, cost of all labour, conveyance, royalties, loading, unloading, scaffolding, staging, watering and curing, sundries, T&P, etc. complete as per the direction of the Engineer-in-charge.								
	Ground Floor	453.25		25.88		479.13	Cum	5592.30	2,679,438.70
	Terrace		158.97			158.97	Cum	5978.30	950,370.35
	Second Floor					0	Cum	6422.20	
	Third Floor					0	Cum	6932.70	
	Fourth Floor					0	Cum	7519.70	
	Fifth Floor					0	Cum	8194.80	
	SiXth Floor					0	Cum	8971.10	
						0			
	FINISHING WORK					0			
12	Providing 6 mm thick Cement Plaster in Cement Mortar of (1:4) to Ceilings of Roof Slabs, Stairs, Landings, Chajja, Shelves, Columns, Beams and Lofts etc. including roughening, scraping and cleaning and finishing the plastered surface smooth using wooden floats only to proper plumbs and level, making grooves, beads and drip coarse to give required ornamental finish as per drawings including cost of all materials, conveyance, loading and unloading and royalties, all labour, scaffolding, watering and curing , sundries, T&P etc. complete as per direction of the Engineer-in-charge								
	Ground Floor	83.59		64.71		148.3	Sqm	₹ 216.50	32,106.95
	Terrace		0.00			0	Sqm	₹ 222.10	
	Second Floor					0	Sqm	₹ 227.80	
	Third Floor					0	Sqm	₹ 233.80	
	Fourth Floor					0	₹	239.90	
	Fifth Floor					0	₹	246.20	
	SiXth Floor					0	₹	252.60	
						0			
13	Providing 12mm thick cement plaster in cement mortar (1:4) to the surface of half brick masonry wall including racking out joints, scraping and cleaning the surface and finishing the plaster surface smooth using wooden floats, bars, etc only to proper plumbs and level and making grooves, beads and drip coarse to give required ornamental finish as per drawings including cost of all materials, conveyance, loading and unloading, royalties, cost of all labour, scaffolding, staging, watering before plastering and curing, sundries and T&P, etc. complete as per direction of the Engineer-in-charge.								
	Ground Floor	2147.18				2147.18	Sqm	₹ 206.00	442,319.08
	Terrace		3209.45			3209.45	Sqm	₹ 210.80	676,552.06
	Second Floor					0	Sqm	₹ 215.70	
	Third Floor					0	Sqm	₹ 220.80	
	Fourth Floor					0	Sqm	₹ 226.00	
	Fifth Floor					0	Sqm	₹ 231.40	
	SiXth Floor					0	Sqm	₹ 236.90	
14	Providing 16mm thick cement plaster in cement mortar (1:6) to the surfaces of brick masonry wall including racking out joints, scraping and cleaning the surface and finishing the plaster surface smooth using wooden floats, bars, etc only to proper plumbs and level and making grooves, beads and drip coarse to give required ornamental finish as per drawings including cost of all materials, conveyance, loading and unloading, royalties, cost of labour, scaffolding, staging, watering before plastering and curing, sundries and T&P, etc. complete as per direction of the Engineer-in-charge.(inner side)								
	Ground Floor	3559.07		202.50		3761.57	Sqm	₹ 279.80	1,052,487.29
	Terrace		170.16			170.16	Sqm	₹ 287.00	48,835.92
	Second Floor					0	Sqm	₹ 294.30	
	Third Floor					0	Sqm	₹ 301.90	
	Fourth Floor					0	₹	309.70	
	Fifth Floor					0	₹	317.70	

		SIXth Floor				0		₹	326.00	
						0				
15		Providing 12mm thick cement plaster in cement mortar (1:6) to the surface of brick masonry wall including racking out joints, scraping and cleaning the surface and finishing the plaster surface smooth using wooden floats, bars, etc only to proper plumbs and level and making grooves, beads and drip coarse to give required ornamental finish as per drawings including cost of all materials, conveyance, loading and unloading, royalties, cost of labour, scaffolding, staging, watering before plastering and curing, sundries and T&P, etc. complete as per direction of the Engineer-in-charge.(Outer side)								
		Ground Floor				0	Sqm	₹	193.70	
		Terrace				0	Sqm	₹	201.70	
		Second Floor				0	Sqm	₹	210.00	
		Third Floor				0	Sqm	₹	218.80	
		Fourth Floor				0	Sqm	₹	228.00	
		Fifth Floor				0	Sqm	₹	237.60	
		SIXth Floor				0	Sqm	₹	247.80	
16		Providing 12mm thick cement plaster in cement mortar (1:4) with neat cement punning including racking out joints, scraping and cleaning the surface and finishing the plaster surface smooth using wooden floats, bars, etc only to proper plumbs and level and making grooves, beads and drip coarse to give required ornamental finish as per drawings including cost of all materials, conveyance, loading and unloading, taxes, royalties, cost of all labour, scaffolding, staging, watering before plastering and curing, sundries and T&P, etc. complete as per direction of the Engineer-in-charge.								
		Ground Floor				0	Sqm	₹	213.90	
16		Extra for plastering done on moulding, cornices or architraves including neat finish to line and level:				0				
		Ground Floor				0	Sqm	₹	659.00	
		Terrace				0	Sqm	₹	659.00	
		Second Floor				0	Sqm	₹	659.00	
		Third Floor				0	Sqm	₹	659.00	
		Fourth Floor				0	Sqm	₹	659.00	
		Fifth Floor				0	Sqm	₹	659.00	
		SIXth Floor				0	Sqm	₹	659.00	
		PLINTH PROTECTION				0				
16		Making plinth protection 100 mm thick using of M20 grade cement concrete necessary excavation, levelling & dressing & finishing the top smooth.				0				
		(a)Ground Floor				0	cum	₹	6,837.82	
15		Providing average 25mm thick grading Concrete in C.C (1:2:2) using 6mm size crusher broken black hard granite chips using 2% water proofing cement compound of approved make after scraping and cleaning the roof surface and finishing smooth to proper slope and gradient including cost of all materials, conveyance, sundries,T&P watering and curing by ponding water over terrace slab etc. complete as per the direction of the Engineer-in-charge.								
		Terrace				0	Sqm	₹	429.20	
		Terrace				0	Sqm	₹	469.70	
		Second Floor				0	Sqm	₹	516.20	
		Third Floor				0	Sqm	₹	569.70	
		Fourth Floor				0	Sqm	₹	631.20	
		Fifth Floor				0	Sqm	₹	701.90	
		SIXth Floor				0	Sqm	₹	783.20	
1		Providing and Laying of 2.5 cm. Damp proof course with C.C (1:2:4) using 12mm. Size hard broken granite Chips including cost of all materials, conveyance, loading, unloading, royalties, taxes, cost of labours, T&P, hire & running charges for all leads as per direction of the engineer-in-charge.				0				
		Ground Floor				0	Sqm	₹	395.70	
1		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.				0				
		Ground Floor				0	Kg		96.10	
1		Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. (Mild steel tubes hot finished seamless type)				0				
		Ground Floor				0	KG	₹	146.70	
1		Supplying, filling, spreading & leveling stone boulders of size range 40 mm in recharge pit of required thickness including cost of material, labour, carriage, royalty, etc complete as directed by the Engineer-in-charge.				0				
		Ground Floor				0	Cum	₹	2,447.90	
1		Supplying, filling, spreading & leveling stone boulders of size range 20 mm in recharge pit of required thickness including cost of material, labour, carriage, royalty, etc complete as directed by the Engineer-in-charge.				0				
		Ground Floor				0	Cum	₹	2,961.00	
						0				
						0				
		FINISHING WORK				0				
15		Supplying and finishing the plastered surface of wall using 2 Coats of Cement Based Wall Putty (Water Based) of approved make and quality and finished smooth and even surface to receive the paint including the cost of all materials, cost of all labour, conveyance, taxes, loading, unloading, scaffolding, T&P, etc, all complete as per the direction of Engineer-in-Charge.								
		Interior Wall Putty								
		Ground Floor	5096.62			5096.62	Sqm	₹	92.30	470,418.03
		Terrace		170.16		170.16	Sqm	₹	94.30	16,046.09
		Second Floor				0	Sqm	₹	96.30	
		Third Floor				0	Sqm	₹	98.30	
		Fourth Floor				0	Sqm	₹	100.50	
		Fifth Floor				0	Sqm	₹	102.60	
		SIXth Floor				0	Sqm	₹	104.90	
						0				
		Outer Wall Putty				0				
		Ground Floor				0	Sqm	₹	-	
		Terrace				0	Sqm	₹	-	
		Second Floor				0	Sqm	₹	-	
		Third Floor				0	Sqm	₹	-	
		Fourth Floor				0	Sqm	₹	-	
		Fifth Floor				0	Sqm	₹	-	
		SIXth Floor				0	Sqm	₹	-	
						0				
16		Providing and applying 2 coats plastic emulsion paint of approved quality and shade over a coat of wall primer of approved quality to surfaces (interior) including thoroughly brushing the surface free from foreign materials, sand papering smooth the intermediate coats, providing necessary putty & primer including of all materials, labour, conveyance, royalties, scaffolding, watering, curing, sundries, tools and plants etc as per the direction of Engineer-in-charge. (colour & shade to be approved before procurement & use)								
		Ground Floor	5168.33			5168.33	Sqm	₹	193.80	1,001,622.35
		First Floor		267.94		267.94	Sqm	₹	198.10	53,078.91

	Second Floor				0	Sqm	₹	202.47	
	Third Floor				0	Sqm	₹	207.00	
	Fourth Floor				0	Sqm	₹	211.70	
	Fifth Floor				0	Sqm	₹	216.50	
	SIXth Floor				0	Sqm	₹	221.40	
17	Providing and Painting with Two Coats Weather Coat Paint (exterior grade) of approved make & shade manufactured by reputed manufacturer make an even finished surface over a coat of water bound cement primer and wall putty in all heights with all scaffolding and staging charges including cost, conveyance, cost of all labours, T & P, sundries etc. as required for the work complete.								
	Ground Floor	2446.95		267.21	2714.16	Sqm	₹	185.60	503,748.10
	First Floor		1350.36		1350.36	Sqm	₹	192.70	260,214.37
	Second Floor				0	Sqm	₹	200.20	
	Third Floor				0	Sqm	₹	208.10	
	Fourth Floor				0	Sqm	₹	216.30	
	Fifth Floor				0	Sqm	₹	225.00	
	SIXth Floor				0	Sqm	₹	234.10	
18	Painting two coats of synthetic enamel paint over Iron Works as per approved shade of approved quality over a coat of primer, sand papering, polishing the surface including cost, conveyance,labour, T&P, scaffolding etc. as required for the work complete as per direction of Engineer-in-charge. (The paints and primer are to be approved before procurement and use)								
	Ground Floor	201.09		44.41	245.5	Sqm	₹	268.10	65,818.55
	First Floor		25.62		25.62	Sqm	₹	273.00	6,994.26
	Second Floor				0	Sqm	₹	278.00	
	Third Floor				0	Sqm	₹	283.10	
	Fourth Floor				0	Sqm	₹	288.40	
	Fifth Floor				0	Sqm	₹	293.90	
	SIXth Floor				0	Sqm	₹	299.50	
19	Painting two coats of synthetic enamel paint on road work over Plaster or RCC Works like (kerb wall,bridge rcc barrier) as per approved shade of approved quality , sand papering, polishing the surface including cost, conveyance,labour, T&P, scaffolding etc. as required for the work complete as per direction of Engineer-in-charge. (The paints are to be approved before procurement and use)								
	Ground Floor				0	Sqm	₹	83.60	
19	Wall painting with Textured Paint of approved quality of pattern as specified in drawing including cost of all materials, labours ,T&P, carriage, royalty, taxes etc. required for the work all complete as per direction of Engineer-in-charge.								
	Ground Floor				0	Sqm	₹	799.10	
	First Floor				0	Sqm	₹	799.10	
	Second Floor				0	Sqm	₹	799.10	
	Third Floor				0	Sqm	₹	799.10	
	Fourth Floor				0	Sqm	₹	799.10	
	Fifth Floor				0	Sqm	₹	799.10	
	SIXth Floor				0	Sqm	₹	799.10	
	FLOORING WORK								
					0				
19	Providing and laying of 600 mm x 600 mm Vitrified Floor Tiles Matt Finish Anti Skid Plain Series confirming to IS : 15622 of approved make, quality and colour without any warpage laid over an under layer of 20 mm thick base of cement mortar (1:4) (1 cement: 4 coarse sand) including cutting to size, laying and filling the joints with white cement slurry mixed with colouring pigment to match the shade and colour, cleaning the surfaces including the cost of all materials, cost of all labour, conveyance, royalties, loading, unloading, sundries, watering and curing, T&P, etc. complete as per the direction of the Engineer-in-Charge. (Note- Sample of tiles shall be approved before procurement and use.)								
	Ground Floor	775.10			775.1	Sqm	₹	1,145.40	887,799.54
	First Floor				0	Sqm	₹	1,159.10	
	Second Floor				0	Sqm	₹	1,173.50	
	Third Floor				0	Sqm	₹	1,188.60	
	Fourth Floor				0	₹		1,204.50	
	Fifth Floor				0	₹		1,221.20	
	SIXth Floor				0	₹		1,238.70	
20	Providing and laying of Vitrified Tiles Matt Finish Plain Series in dado/skirting confirming to IS : 15622 of approved make, quality, colour and size 600mm x 600mm upto required height from floor level fixed over an under layer of 12mm thick bed of cement mortar (1:3) (1 Cement : 3 Coarse sand) including cutting to size, laying and filling the joints with white cement slurry mixed with colouring pigment to match the shade and colour, cleaning the surfaces including the cost of all materials, cost of all labour, conveyance, taxes, royalties, loading, unloading, sundries, watering and curing, T&P, etc. complete as per the direction of the Engineer-in-Charge. (Note- Sample of tiles shall be approved before procurement and use.)								
	Ground Floor	73.80			73.8	Sqm	₹	1,281.50	94,574.70
	First Floor				0	Sqm	₹	1,302.10	
	Second Floor				0	Sqm	₹	1,323.80	
	Third Floor				0	Sqm	₹	1,346.60	
	Fourth Floor				0	₹		1,370.50	
	Fifth Floor				0	₹		1,395.60	
	SIXth Floor				0	₹		1,421.90	
21	Providing and laying 300mmx300mm antiskid ceramic floor Tiles confirming to IS : 15622 of approved make, quality and colour without any warpage laid over an under layer of 20 mm thick base of cement mortar (1:4) (1 cement: 4 coarse sand) including cutting to size, laying and spacer of 4mm for grouting the joints of tiles using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg) to match the shade and colour, cleaning the surfaces with acid including the cost of all materials, cost of all labour, conveyance, royalties, loading, unloading, sundries, watering and curing, T&P, etc. complete as per the direction of the Engineer-in-Charge. (Note- Sample of tiles shall be approved before procurement and use.)								
	Ground Floor	82.32			82.32	Sqm	₹	1,099.20	90,486.14
	First Floor				0	Sqm	₹	1,112.90	
	Second Floor				0	Sqm	₹	1,127.30	
	Third Floor				0	Sqm	₹	1,142.50	
	Fourth Floor				0	Sqm	₹	1,158.40	
	Fifth Floor				0	Sqm	₹	1,175.10	
	SIXth Floor				0	Sqm	₹	1,192.60	
22	Ceramic wall tile With Epoxy Grout For Toilet Providing and laying of Glazed Ceramic Wall Tiles in dado/skirting confirming to IS : 15622 of approved make, quality, colour and size 300mm x 450mm upto required height from floor level fixed over an under layer of 12mm thick bed of cement mortar (1:3) (1 Cement : 3 Coarse sand) including cutting to size, laying and spacer of 4mm for grouting the joints of tiles using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg) to match the shade and colour, cleaning the surfaces with acid including the cost of all materials, cost of all labour, conveyance, taxes, royalties, loading, unloading, sundries, watering and curing, T&P, etc. complete as per the direction of the Engineer-in-Charge. (Note- Sample of tiles shall be approved before procurement and use.)								
	Ground Floor	318.76			318.76	Sqm	₹	1,096.50	349,520.34

	First Floor					0	Sqm	₹	1,117.10	
	Second Floor					0	Sqm	₹	1,138.80	
	Third Floor					0	Sqm	₹	1,161.60	
	Fourth Floor					0	Sqm	₹	1,185.50	
	Fifth Floor					0	Sqm	₹	1,210.60	
	SIXth Floor					0	Sqm	₹	1,236.90	
21	Ceramic wall tile Without Epoxy Grout Providing and laying of Glazed Ceramic Wall Tiles in dado/skirting confirming to IS : 15622 of approved make, quality, colour and size 400mm x 300mm upto required height from floor level fixed over an under layer of 12mm thick bed of cement mortar (1:3) (1 Cement : 3 Coarse sand) including cutting to size, laying and filling the joints with white cement slurry mixed with colouring pigment to match the shade and colour, cleaning the surfaces including the cost of all materials, cost of all labour, conveyance, taxes, royalties, loading, unloading, sundries, watering and curing, T&P, etc. complete as per the direction of the Engineer-in-Charge. (Note- Sample of tiles shall be approved before procurement and use.)									
	Ground Floor					0	Sqm	₹	1,000.20	
	First Floor					0	Sqm	₹	1,020.80	
	Second Floor					0	Sqm	₹	1,042.50	
	Mumty Floor					0	Sqm	₹	1,065.20	
						0				
1	Providing and laying 600mm x 1200mm Vitrified matt finish floor tiles confirming to IS : 15622 of approved make, quality and colour without any warpage laid over 20 mm thick base of cement mortar (1:4) (1 cement: 4 coarse sand) including cutting to size, laying and filling the joints with white cement slurry mixed with colouring pigment to match the shade and colour, cleaning the surfaces including the cost of all materials, cost of all labour, conveyance, taxes, royalties, loading, unloading, sundries, watering and curing, T&P, etc. complete as per the direction of the Engineer-in-Charge. (Note- Sample of tiles shall be approved before procurement and use.)									
	Ground Floor					0	Sqm	₹	1,145.40	
	First Floor					0	Sqm	₹	1,159.10	
1	Vetrified industrial floor Tile of premium grade having thickness 15mm to 16mm confirming to IS 4457 of size 600mmx1200mm of approved make, quality and colour without any warpage laid over an under layer of 20 mm thick base of cement mortar (1:4) (1 cement: 4 coarse sand) including cutting to size, laying and filling the joints with white cement slurry mixed with colouring pigment to match the shade and colour, cleaning the surfaces with oxlaic acid, machine grinding, mirror polishing including the cost of all materials, cost of all labour, conveyance, royalties, loading, unloading, sundries, watering and curing, T&P, etc. complete as per the direction of the Engineer-in-Charge. (Note- Sample of tiles shall be approved before procurement and use.) (Make:Somany/Ihonsen/RAK/kajaria)									
	Ground Floor					0	Sqm	₹	2,003.00	
	First Floor					0	Sqm	₹	2,016.70	
23	Providing & laying Heavy Duty Vetrified Floor Tile Matt Finish Rustic Series having thickness 10mm confirming to IS 4457 of size 600mmx600mm of approved make, quality and colour without any warpage laid over an under layer of 20 mm thick base of cement mortar (1:4) (1 cement: 4 coarse sand) including cutting to size, laying and filling the joints with white cement slurry mixed with colouring pigment to match the shade and colour, cleaning the surfaces with oxlaic acid, machine grinding, mirror polishing including the cost of all materials, cost of all labour, conveyance, royalties, loading, unloading, sundries, watering and curing, T&P, etc. complete as per the direction of the Engineer-in-Charge. (Note- Sample of tiles shall be approved before procurement and use.)									
	Ground Floor	662.15				662.15	Sqm	₹	1,236.40	818,682.26
24	Providing & laying Heavy Duty Vetrified Tile Matt Finish Rustic Series having thickness 10mm in dado/skirting confirming to IS : 15622 of size 600mmx600mm of approved make, quality and colour without any warpage laid over an under layer of 12mm thick cement mortar (1:3) (1 cement: 3 coarse sand) confirming to IS-1443 including cutting to size, laying and filling the joints with white cement slurry mixed with colouring pigment to match the shade and colour, cleaning the surfaces including the cost of all materials, cost of all labour, conveyance, taxes, royalties, loading, unloading, sundries, watering and curing, T&P, etc. complete as per the direction of the Engineer-in-Charge. (Note- Sample of tiles shall be approved before procurement and use.)									
	Ground Floor	75.83				75.83	Sqm	₹	1,372.80	104,099.42
25	Providing and laying 300mm x 300mm Chequered Tiles. tiles confirming to IS : 15622 of approved make, quality and colour without any warpage laid over 20 mm thick base of cement mortar (1:4) (1 cement: 4 coarse sand) including cutting to size, laying and filling the joints with white cement slurry mixed with colouring pigment to match the shade and colour, cleaning the surfaces including the cost of all materials, cost of all labour, conveyance, taxes, royalties, loading, unloading, sundries, watering and curing, T&P, etc. complete as per the direction of the Engineer-in-Charge. (Note- Sample of tiles shall be approved before procurement and use.)									
	Ground Floor	136.51				136.51	Sqm	₹	651.00	88,868.01
	First Floor					0	Sqm	₹	664.80	
26	Providing & laying granite stone flooring using 19-20 mm thick granite stone slab of approved quality, colour and size above 0.4 Sqm as per IS 14223 in Stair Treads and Risers over an under layer of 20 mm thick cement mortar (1:4) (1 cement: 4 coarse sand) confirming to IS-1443 including cutting to size, laying and joining with white cement slurry and colouring pigment to match the shade with typical half nosing and cutting grooves etc including cost of all labour, materials, royalties, loading and unloading, conveyance, sundries, watering and curing, etc. complete as per the direction of the Engineer-in-Charge. (Note- Sample of granite tiles shall be approved before procurement and use.)									
	Ground Floor					0	Sqm	₹	3,193.50	
	First Floor					0	Sqm	₹	3,226.70	
	Second Floor					0	Sqm	₹	3,261.60	
	Third Floor					0	Sqm	₹	3,298.20	
	Fourth Floor					0	Sqm	₹	3,336.60	
	Fifth Floor					0	Sqm	₹	3,377.00	
	SIXth Floor					0	Sqm	₹	3,419.40	
26	Providing & laying granite stone flooring in Floors and landing using 19-20 mm thick granite stone slab of approved quality, colour and size above 0.4 Sqm as per IS 14223 laid over an under layer of 20 mm thick cement mortar (1:4) (1 cement: 4 coarse sand) confirming to IS-1443 including cutting to size, laying and filling the joints with white cement slurry mixed with colouring pigment to match the shade and colour, cleaning the surfaces including the cost of all materials, cost of all labour, conveyance, royalties, loading, unloading, sundries, watering and curing, T&P, etc. complete as per the direction of the Engineer-in-Charge. (Note- Sample of granite tiles shall be approved before procurement and use.)									
	Ground Floor	9.45				9.45	Sqm	₹	3,137.20	29,646.54
	First Floor					0	Sqm	₹	3,167.60	
	Second Floor					0	Sqm	₹	3,199.50	
	Third Floor					0	Sqm	₹	3,233.00	
	Fourth Floor					0	₹	3,268.20		
	Fifth Floor					0	₹	3,305.20		
	SIXth Floor					0	₹	3,344.00		

27	Providing & laying granite stone tiles in dado/skirting using 10mm thick granite stone slab of approved quality, colour and size upto 0.4 Sqm as per IS 14223 to proper line, level and slope laid over 12mm thick cement mortar (1: 3) conforming to IS IS-1443 including cutting to size, laying and filling the joints with white cement slurry mixed with colouring pigment to match the shade and colour, cleaning the surfaces including the cost of all materials, cost of all labour, conveyance, royalties, loading, unloading, sundries, watering and curing, T&P, etc. complete as per the direction of the Engineer-in-Charge. (Note- Sample of granite tiles shall be approved before procurement and use.)					0			
	Ground Floor					0	Sqm	₹	2,528.60
	First Floor					0	Sqm	₹	2,572.30
	Second Floor					0	Sqm	₹	2,618.10
	Third Floor					0	Sqm	₹	2,666.30
	Fourth Floor					0	Sqm	₹	2,716.90
	Fifth Floor					0	Sqm	₹	2,770.00
	SiXth Floor					0	Sqm	₹	2,825.70
28	Providing & laying kota stone slabs in floors using 16 mm thick kota stone slab of approved quality, colour and size above 0.10 Sqm laid over an under layer of 20 mm thick cement mortar (1:4) (1 cement : 4 coarse sand) conforming to IS-1443 including cutting to size, laying and filling the joints with white cement slurry mixed with colouring pigment to match the shade and colour, cleaning the surfaces including the cost of all materials, cost of all labour, conveyance, taxes, royalties, loading, unloading, sundries, watering and curing, T&P, etc. complete as per the direction of the Engineer-in-Charge. (Note- Sample of tiles shall be approved before procurement and use.)					0			
	Ground Floor					0	Sqm	₹	1,290.70
	First Floor					0	Sqm	₹	1,321.10
	Second Floor					0	Sqm	₹	1,353.00
	Mumty Floor					0	Sqm	₹	1,386.50
29	Providing & laying kota stone slabs in dado/Skirting using 16 mm thick Kota stone of approved quality, colour and size above 0.10 Sqm laid over an under layer of 12mm thick cement mortar (1:3) (1 cement: 3 coarse sand) conforming to IS-1443 including cutting to size, laying and filling the joints with white cement slurry mixed with colouring pigment to match the shade and colour, cleaning the surfaces including the cost of all materials, cost of all labour, conveyance, taxes, royalties, loading, unloading, sundries, watering and curing, T&P, etc. complete as per the direction of the Engineer-in-Charge. (Note- Sample of tiles shall be approved before procurement and use.)					0			
	Ground Floor					0	Sqm	₹	1,567.00
	First Floor					0	Sqm	₹	1,610.70
	Second Floor					0	Sqm	₹	1,656.60
	Mumty Floor					0	Sqm	₹	1,704.70
	BUILT IN JOINERIES					0			
27	Providing and fixing 65mm X 125mm factory made single extruded WPC (Wood Polymer Composite) solid door/window/Ceasetory windows & other Frames/Chowkhat comprising of virgin PVC polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) fabricated with miter joints after applying PVC solvent cement and screwed with full body threaded star headed SS screws having minimum frame density of 750 kg/cum, screw withdrawal strength of 2200 N (Face) & 1100 N (Edge), minimum compressive strength of 58 N/mm2, modulus of elasticity 900 N/mm2 and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixed in position with M.S hold fast/hugs/SS dash fasteners of required dia and length complete as per direction of Engineer-In- Charge. Note: For WPC solid door/window frames, minus 5mm tolerance in dimensions i.e depth and width of profile shall be acceptable. Variation in profile dimensions on plus side shall be acceptable but no extra payment on this account shall be made.								
	Ground Floor	99.75				99.75	Rmt	₹	1,185.40
	First Floor					0	Rmt	₹	1,185.40
	Second Floor					0	Rmt	₹	1,185.40
	Third Floor					0	Rmt	₹	1,185.40
	Fourth Floor					0	Rmt	₹	1,185.40
	Fifth Floor					0	Rmt	₹	1,185.40
	SiXth Floor					0	Rmt	₹	1,185.40
28	Supplying, fitting and fixing of 32mm thick flush door shutter with approved quality of 30mm thick BWR block board pasted with 1mm thick sunmica on both side of approved design and quality including cost of all door fittings and fixtures etc. complete					0			
	Ground Floor					0	Sqm	₹	10,668.61
	First Floor					0	Sqm	₹	10,668.61
	Second Floor					0	Sqm	₹	10,668.61
	Third Floor					0	Sqm	₹	10,668.61
	Fourth Floor					0	Sqm	₹	10,668.61
	Fifth Floor					0	Sqm	₹	10,668.61
	SiXth Floor					0	Sqm	₹	10,668.61
28	Providing and fixing of 30 mm thick factory made single extruded WPC (Wood Polymer Composite) solid plain flush door shutter of required size comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/cum and screw withdrawal strength of 1800 N (Face) & 900 N (Edge), minimum compressive strength 50 N/mm2, modulus of elasticity 850 N/mm2 and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixing with SS 304 Grade Matt Finished 3 Nos butt hinges of Size 100mm X 60mm X 2.5mm, 1 No 250mm X 16mm Aldrop, 1 No 150mm x 16mm tower bolt, 2 No 150mm length Door handle with necessary full body threaded star headed counter sunk SS screws, floor/hanging door stopper & hydraulic door closer as required and mentioned in architectural drawing all as per direction of Engineer-In- Charge.								
	Ground Floor	139.28				139.28	Sqm	₹	5,236.50
	First Floor					0	Sqm	₹	5,236.50
	Mumty Floor					0	Sqm	₹	5,236.50
1	Supplying and fitting-fixing of factory made single leaf rigid FRP (alternately called GRP) sandwich composite door shutter of 32mm thick laminated with two GRP skins with wood grain finish fabricated using UV-stabilised Isophthalic Gelcoat and one layer of 450 gsm E-glass Chopped Strand Mat (CSM) impregnated with orthophthalic polyester resin. The thickness of the skins shall not be less than 3.00 mm Expanded Polystyrene(EPS) structural foam panel of 29mm thickness and a density of 20kg/cu.mtr shall be used as core material. Wooden reinforcements made of seasoned sal wood block of cross section not less than 28mmx32mm and also necessary sal wood reinforcements for fitting the metal fittings such as tower bolts, aldrops, handles etc shall be provided. A structural adhesive compatible with (EPS) foam shall be used for bending the core material, the sal wood reinforcements and the skins. The material and process for manufacturing the door shutters shall conform to RV-TIFAC composites Design Centre's standards and specifications and the door shutters tested in conformation to IS: 4020-1998. The finish of door shutter will be plain colour white/ Ivory/ Beige/ Light grey/ Mahogany/ Teak wood or any other colour using high quality pigments. Three heavy whight mild steel butt hinges type-I (ISI marked) size 100mm are to be fitted on one side of shutter.					0			
	Ground Floor					0	Sqm	₹	6,172.10
	First Floor					0	Sqm	₹	6,172.10
	Second Floor					0	Sqm	₹	6,172.10
	Third Floor					0	Sqm	₹	6,172.10
	Fourth Floor					0	Sqm	₹	6,172.10

		Fifth Floor					0	Sqm	₹	6,172.10	
		SIXth Floor					0	Sqm	₹	6,172.10	
29		Providing and fixing factory made 2.5 track KOMMERLING UPVC white colour sliding window with SS mesh comprising of uPVC multi-chambered frame having section Frame 88mm x 49mm, Window sash: 37mm x 61mm, Bugmesh sash: 58mm x 32mm made out of lead free green profiles with comers fusion welded, fully reinforced with Galvanized steel 1.5 mm. The windows profile should fulfill the requirements of Viny 2010. The physical properties of the profiles like Vicat softening temperature, density, tensile strength, hardness, weatherability, impact strength and Modulus of Elasticity should be tested in accordance with ASTM/DIN-ISO standards and the thermal conductivity as per IS standards. The window comprising of uPVC extruded glazing beads of appropriate dimension, EPDM gasket, G.I fasteners 100 x 8 mm size for fixing frame to finished wall, plastic packers, plastic caps and necessary stainless steel screws 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. The sash will be fitted with 5mm clear glass					0				
		Ground Floor					0	Sqm	₹	8,900.00	
		First Floor					0	Sqm	₹	8,900.00	
		Second Floor					0	Sqm	₹	8,900.00	
		Third Floor					0	Sqm	₹	8,900.00	
		Fourth Floor					0	Sqm	₹	8,900.00	
		Fifth Floor					0	Sqm	₹	8,900.00	
		SIXth Floor					0	Sqm	₹	8,900.00	
1		Supplying , fitting and fixing of two track UPVC sliding window of approved make with 6mm thick glass of approved quality complete with frame, shutters and all fitting and fixtures.. complete in all respect as per the direction of the Engineer-in-Charge.					0				
		Ground Floor					0	Sqm	₹	4,960.97	
		First Floor					0	Sqm	₹	4,960.97	
		Second Floor					0	Sqm	₹	4,960.97	
		Third Floor					0	Sqm	₹	4,960.97	
		Fourth Floor					0	Sqm	₹	4,960.97	
		Fifth Floor					0	Sqm	₹	4,960.97	
		SIXth Floor					0	Sqm	₹	4,960.97	
1		Supplying ,fitting and fixing of openable UPVC door with of door frame of approved make with 6mm thick glass of approval quality complete with frame , shutter and all fitting and fixtures.					0				
		Ground Floor					0	Sqm	₹	8,682.12	
1		Supplying, fitting and fixing of UPVC Partition Wall I60 Casement Series 1-OFF as per drawing and specification: Top member-6mm Tinted/Laminated/Colored/Clear Toughened Glass & Bottom member-PVC Sheet (12-18mm), Weight: 291.36 kg, Colour-White Dimension Type-Frame Size from R0, Frame Depth-60mm, Hinged Series-I60 Casement, Reinforcement-Full, Coupling 180-33mm/2108-3106+56016-10070, Window O/F-55mm/41101-11000+R1, Frame T/M-74mm/41101-12000/12100+56016-10001, T-Joins-Mechanical, Frame Mech-50502-11016, Connector-Shape 1, Bead Shape-Glazing Packer 16.5 x 77 x 5 mm, Cmmt Gl Packer-No, Grill required-Supply & Install, Supply Type-280ml bottle, Silicon Sealant-No, Display Fixings-Face with drainage including scaffolding complete in all respect as per the direction of the Engineer-in-Charge.					0				
		Ground Floor					0	Sqm	₹	4,142.68	
29		Supplying and fixing of Powder coated 50-60 microns approved colour of aluminium 40mm Casement series Door Unit with suitable aluminium extrude profiles. the system is designed to accommodate 12mm clear toughened glass. the rate quoted inclusive of hardwares like antilift, roller, Espag lock cum handle, epdm gaskets, T mullion, Fly Mullion, bottom adopter, mid transom, glazing clip for 12 mm glass felt along with all accessories etc complete. The gap between the wall and window will be filled with silicon weather sealant in the outer side. including the cost of all materials ,hardware fittings,cost of all labour, conveyance, loading, un loading, T&P, etc, complete as per the direction of Engineer-in Charge.(As per Proceeding of C.C.E. Level committee meeting held on dt. 12.02.2024 at 11.30 A.M.)									
		Ground Floor	4.32				4.32	Sqm	₹	12,427.80	53,688.10
1		Providing and fixing 12 mm thick frame less toughened glass partition Dorma Premium (911298) PT 90 Side Connector and PT 80 Glass to glass Connector with Silicone,12mm Clear Toughened Glass with Cutout and Hole,including perimeter sealing of glass to glass joints with silicon sealant ,etc.as per drawing and specification including the cost of all materials ,T&P,etc all complete as per the direction of Engineer-in-Charge.					0				
		Ground Floor					0	Sqm	₹	10,223.20	
1		Providing and fixing of 12mm thick Clear Toughened Glass Frameless Door With Dorma Premium Fittings. Dorma Premium (9111198) Unilite Package BTS 75 UL PT 10 with Cover, UL PT 20 with Cover UL US 10 Luck with Cover and PT. 24. Dorma Premium (9137121) H Type Handle 450mm, 12mm Clear Toughened Glass with Cutout and Hole including the cost of ali materials hardware fittings, cost of all labour, conveyance. loading, unloading T&P, etc, complete as per the direction of Engineer-in-Charge					0				
		Ground Floor					0	Sqm	₹	11,343.20	
30		Supplying, fitting and fixing of M.S. grill. Grated doors etc made out of M.S. flats/square bars as per drawing and design fixed in position to proper plumb with cost, conveyance, Materials, labour, T&P etc. required for the complete in all respect as per the direction of Engineer-in-Charge.									
		Ground Floor	8202.65		3683.16		11885.81	Kg	₹	99.37	1,181,092.94
		Terrace		946.80			946.8	Kg	₹	99.37	94,083.52
		Second Floor					0	Kg	₹	99.37	
		Third Floor					0	Kg	₹	99.37	
		Fourth Floor					0	Kg	₹	99.37	
		Fifth Floor					0	Kg	₹	99.37	
		SIXth Floor					0	Kg	₹	99.37	
		S.S Railing					0				
31		Supplying, fabricating & fixing of polished stainless steel (304 grade) items made out of pipes, angles, flats, plates, hollow tube, square pipe bracing as per approved design and specification, buffing, polishing etc. with cost, conveyance, labour in railing, parapet, staircase, space frame etc required for the work complete in all respect as per direction of Engineer-in-charge.									
		Ground Floor	468.01				468.01	Kg	₹	343.80	160,901.84
		Terrace					0	Kg	₹	343.80	
		Second Floor					0	Kg	₹	343.80	
		Third Floor					0	Kg	₹	343.80	
		Fourth Floor					0	Kg	₹	343.80	
		Fifth Floor					0	Kg	₹	343.80	
		SIXth Floor					0	Kg	₹	343.80	
1		G.R.C. JALI :- Providing and fixing Glass Reinforced Concrete (G.R.C) Screens in approved size pattern, design, shadeand thickness of 50mm on frame and design element in 30mm thick have weight approximately between 3.5 4 Kg per Sq Ft and color of M/S UniStone make or equivalent. The above weight and thickness is considering dimensions of screens up to 2133mm in height and 1219mm in width and having at least 50% void space. The screens should be made from '53 grade' White Portland Cement manufactured by JK Cement' or equivalent, Quartz, Fine Silica Sand, Alkali Resistant Glass Fiber manufactured by 'N.E.G JAPAN or equivalent, Super Plasticizers manufactured by "BASF or equivalent Polymers manufactured by 'BASF or equivalent and UV resistant Synthetic inorganic pigments should be used for pigmentation manufactured by 'BAYFERROX (Germany) or equivalent. The material casting should take place in FRP Molds. The fixing of Screens should be 'Dry fixing' Le to be done with M.S Galvanized Clamps, fixtures and fasteners of Hilti / Fischer.					0				

		Ground Floor					0	Kg	₹	8,711.30	
		First Floor					0	Kg	₹	8,711.30	
		Second Floor					0	Kg	₹	8,711.30	
		TERACE/TOILET WATERPROOFING WORK					0				
32		modified cementitious waterproofing coating over roof slab/Toilet after carrying out pond test on roof slab/Toilet, filling all defects, saturating the surface, mixing the products and then application in 2.0 mm thickness (1.8 Kg / sqm coverage rate for 1.0 mm thickness) in suitable layers complete in all respect, all materials, tools, plant & labour complete in all respect. Density 1850kg/m ³ , Mix ratio (Powder to liquid) 3:1 by weight, Water penetration Din 1048 1.5 Bar no leakage Potlife @ 25°C 2 hours & @ 40°C 30 minutes, Recoatable: 8-12 hours Elongation >42% (air) & >31% (under water), Tensile strength >20 kg/cm ² , VOC content (HK prod code P10-17) 0.5 g/L. including cost of all materials, conveyance, taxes and sundries, T&P, watering and curing by ponding water over terrace slab etc. complete as per the direction of the Engineer-in-charge.					0				
		Ground Floor					0	Sqm	₹	543.60	
		Terrace					0	Sqm	₹	543.60	
		Second Floor					0	Sqm	₹	543.60	
		Third Floor					0	Sqm	₹	543.60	
		Fourth Floor					0	Sqm	₹	543.60	
		Fifth Floor					0	Sqm	₹	543.60	
		Sixth Floor					0	Sqm	₹	543.60	
1		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.					0				
		Ground Floor					0	Sqm	₹	96.10	
1		Supplying and fixing of Colour coated galvalume metal sheets Zinc aluminum alloy coated, Not less than 150 gms/sq.m, having high tensile steel sheet (Fy 550 Mpa) of 0.5 mm minimum thickness (BMT). The outside face (exposed face) shall be permanently color coated with PVF-2 paint of minimum DFT 20 microns over primer and inner side (internal face) shall be coated with same paint of minimum DFT 12 microns, Colour Coated Flashing & Ridge board with all fasteners and fixtures, scaffolding etc. complete at all heights as per drawings and specification including preparation of bill of materials & shop drawings. (Galvalume Sheets shall be of any reputed make including Kingspan Jindal/'Tata Blue Scope Steel Limited', 'Laj Color Leaf (P) Limited' Loyd Insulations etc.)					0				
		Ground Floor					0	Sqm	₹	1,231.20	
1		Micro Concreting 1. Surface Preparation Removing all loose and unsound concrete from the damaged area by mechanical means/manual chipping without damaging the parent concrete. Cleaning of reinforcement with rust remover to remove all loose rust and scale. 2. Steel Protection Application of zinc-rich primer over cleaned reinforcement steel to prevent further corrosion. 3. Bonding Coat Application of bond coat consisting of cement slurry mixed with SBR Latex (Dr. Fixit Pidicrete URP or equivalent) over the prepared surface to ensure proper bonding between old and new concrete. 4. Repair Mortar / Micro Concrete Filling of repaired pockets with Polymer Modified Mortar (PMM) for small thickness repairs. For larger sections, use Dr. Fixit Micro Concrete to restore the structural profile. 5. Waterproofing Test After repairs, carry out ponding test on the opposite surface of the roof slab to check for any leakage/seepage. 6. Injection Grouting In case of observed seepage/leakage, carry out pressure injection grouting with suitable grout material (epoxy as specified) to arrest water ingress Complete as per the direction of the Engineer-in-Charge. (Note- Sample of materials shall be approved before procurement and use.)					0				
		Ground Floor					0	Sqm	₹	3,891.00	
1		Groove cut the existing crack on concrete/masonry surface and remove all dust and loose particles, fill the cracks with Renderoc FC and inject the cracks by pressure grouting using Conbextra Cable Grout using PVC nozzles at speed less than 1 kg/cm ² , Cut slits of 3 to 5mm width on the joints of crack line to depth of 15mm and 155mm on either side of crack, fill the groove with Renderoc SP40 and insert Nitoplate Crackfix plate having tensile strength >1000 MPA, fiber content 50 - 60% into the filled groove. Item rate is inclusive of materials all labour, tools and tackles, and transportation etc. complete as per specification and as directed by Engg.-in-charge. Payment shall be made as per actual site measurement. (Note- Sample of materials shall be approved before procurement and use.)					0				
		all Floor					0	Rmt	₹	731.70	
16		Providing and fixing GI chicken wire mesh 24 gauge and 12 mm mesh and required width for construction joints and chasing in brick work for electrical conduits or water supply pipes including cement slurry and pegs/nails with nailing machine as required before pastering etc. complete as directed by the Engineer-in-charge. (Note- Sample of materials shall be approved before procurement and use.)					0				
		all Floor					0	Rmt	₹	186.00	
1		Chequered Tiles 300mmx300mm of approved make, quality and colour without any warpage laid over an under layer of 20 mm thick base of cement mortar (1:4) (1 cement: 4 coarse sand) including cutting to size, laying and filling the joints with white cement slurry mixed with colouring pigment to match the shade and colour, cleaning the surfaces with oxlaic acid, machine grinding, mirror polishing including the cost of all materials, cost of all labour, conveyance, royalties, loading, unloading, sundries, watering and curing, T&P, etc. complete as per the direction of the Engineer-in-Charge. (Note- Sample of tiles shall be approved before procurement and use.)					0				
		Ground Floor					0	Rmt	₹	651.00	
1		Vetrified industrial floor Tile of premium grade having thickness 15mm to 16mm confirming to IS 4457 of size 600mmx600mm of approved make, quality and colour without any warpage laid over an under layer of 20 mm thick base of cement mortar (1:4) (1 cement: 4 coarse sand) including cutting to size, laying and filling the joints with white cement slurry mixed with colouring pigment to match the shade and colour, cleaning the surfaces with oxlaic acid, machine grinding, mirror polishing including the cost of all materials, cost of all labour, conveyance, royalties, loading, unloading, sundries, watering and curing, T&P, etc. complete as per the direction of the Engineer-in-Charge. (Note- Sample of tiles shall be approved before procurement and use.) (Make: Somany/Jhonson/RAK/kajaria)					0				
		Ground Floor					0	Sqm	₹	2,003.00	
32		Finishing with Epoxy paint (Two or more coats) on steel work at all locations prepared and applied as per manufacturer's ecifications including appropriate priming coat (Red Oxide Zinc Chromate), preparation of surface, etc. complete as per Direction of E.I.C.					0				
		Ground Floor					0	Sqm	₹	272.40	
1		Providing and fixing of 30 mm thick factory made single extruded WPC (Wood Polymer Composite) solid plain flush door shutter of required size comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/cum and screw withdrawal strength of 1800 N (Face) & 900 N (Edge), minimum compressive strength 50 N/mm ² , modulus of elasticity 850 N/mm ² and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixing with SS 304 Grade Matt Finished 3 Nos butt hinges of Size 100mm X 60mm X 2.5mm, 1 No 250mm X 16mm Aldrop, 1 No 150mm x 16mm tower bolt, 2 No 150mm length Door handle with necessary full body threaded star headed counter sunk S.S screws, floor/hanging door stopper & hydraulic door closer as required and mentioned in architectural drawing all as per direction of Engineer-In- Charge.					0				

	Ground Floor					0	Sqm	₹ 5,236.50	
						0			
17	<p>Pressed Steel Doors With Vision Panel</p> <p>Supply installation of pressed steel doors of the specified dimensions and accessories such as hinges,door,stopper,tower bolt,door handle,door closer,dead lock,consedaed flush bolt,shaft lock,martise lock and vision panel etc.complete as mentioned along with warranty coverage and after sales service etc.inclusive of all costs,delivery charge,fixing,fitting and any other invidental charges etc.complete excluding GST</p> <p>1. Hinges 2. Tower bolt 3. Door Stopper 4. Mortise Lock 5. Buffer</p> <p>(Make: Tata pravesh,Shaktihormann ETC)</p>					0			
	Ground Floor					0			
	General Steeldoor Set 1000X2100 mm Single leaf door with vision panel					0	Each	₹ 22,968.70	
	General Steeldoor Set 2,000.00X2,400.00 mm Double leaf door with vision panel					0	Each	₹ 41,558.50	
#REF!	Supplying and fixing of 80mm thick cement concrete interlocking paver block of M-40 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP - 63:2018.					0	Sqm	₹ 608.40	
2	Supplying and fixing of Pre cast kerb stone of size 300mm x 300mm x 150mm of M-30 grade of approved make, design, colour and size made by Block making machine with proper compaction fixed in required pattern etc. complete in all respect conforming to IS 5758:1984.					0	Nos	₹ 162.56	
1	Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 10 mm and down gauge), including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design.					0	Rmt	₹ 258.60	
2	Supplying and fitting-fixing of Un-plasticised Poly Vinyl Chloride (UPVC) Fixed window of approved make with 6mm thick glass of approved quality complete with frame, and all fitting and fixtures etc. complete in all respect as per the direction of the Engineer-in-Charge.					0	Sqm	₹ 5,320.00	
3	Supplying and fitting-fixing of Un-plasticised Poly Vinyl Chloride (UPVC) Fixed Partition of approved make with 6mm thick glass of approved quality complete with frame, and all fitting and fixtures etc. complete in all respect as per the direction of the Engineer-in-Charge.					0	Sqm	₹ 8,620.00	
4	Supplying, fitting and fixing of 5.5mm thick hexagonal Aluminium jally in windows as single groove, double groove and tapered clip as horizontal and vertical members for fixing of aluminium jally and joiting angle confirming to standrad Aluminium sections etc. complete as directed by the Engineer-in-charge.					0	Sqm	₹ 1,841.00	
4	Supplying and fixing of Hospital Glow Letter Type Name Board (Acrylic) including cost of designing, material, machine cutting & labour for mounting complete in all respect as directed by the Engineer-in-Charge.(Rate Per Letter)					0	Nos	₹ 3,750.00	
32	<p>ACP Paneling - Designing, fabricating, testing, installing and fixing in position Curtain Wall with Aluminium Composite Panel Cladding, for all heights and all levels etc. including : Providing, fabricating and supplying and fixing panels of aluminium composite panel cladding in required shape in metallic colour of approved shades made out of 3mm thick aluminium composite panel material consisting of Aluminium sheet (0.25mm thick). The aluminium composite panel cladding sheet shall be coil coated, with PVDF coating of approved colour and shade as specified using stainless steel screws, nuts, bolts, washers, cleats, weather silicone sealant (Dowsil 789), backer rods etc.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. 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.10Years warrenty with MTC.</p>	10.18				10.18	Sqm	₹ 3,854.00	39,233.72
33	<p>G.R.C JALI -</p> <p>Providing and fixing Glass Reinforced Concrete (GR.C) Screens in approved size pattern, design, shadeand thickness of 50mm on frame and design element in 30mm thick have weight approximately between 3.5 4 Kg per Sq Ft and color of M/S UniStone make or equivalent. The above weight and thickness is considering dimensions of screens up to 2133mm in height and 1219mm in width and having at least 50% void space. The screens should be made from '53 grade' White Portland Cement manufactured by JK Cement' or equivalent, Quartz, Fine Silica Sand, Alkali Resistant Glass Fiber manufactured by 'N.E.G JAPAN or equivalent, Super Plasticizers manufactured by "BASF or equivalent Polymers manufactured by 'BASF or equivalent and UV resistant Synthetic inorganic pigments should be used for pigmentation manufactured by 'BAYFERROX (Germany) or equivalent. The material casting should take place in FRP Molds. The fixing of Screens should be 'Dry fixing' Le to be done with M.S Galvanized Clamps, fixtures and fasteners of Hilti / Fischer. complete in all respect as per specification & direction of the Engineer-in-Charge.</p>					0	Sqm	₹ 5,928.70	
34	Gypsum Board False Ceiling - Providing fitting and fixing of gypsum board false ceiling with aluminium anodised T Section No. 3215 with 2'-0" center to center, L section No. 1705 upto 15 micron on 4 walls to be fixed by means of steel screw and P.V.C plug and the Aluminium grid 2'-0"x2'-0" suspended from ceiling etc complete in all respect as per specification & direction of the Engineer-in-Charge.					0	Sqm	₹ 3,017.10	
35	Providing and fixing false ceiling with Trio/Hexa/Quadra UPVC Soffit Panels of approved make, shade, and finish, manufactured from high-quality virgin uPVC, suitable for interior use and resistant to moisture, termites, rot, and corrosion, including all materials and labour. The panels shall be fixed on a G.I. framework comprising galvanized iron channels, runners, supports, clamps, screws, anchors, and fasteners of adequate gauge, properly aligned, leveled, and securely fixed to the wall/structure. The work shall include supply of panels, G.I. components, trims, corner and edge profiles, joint covers, sealants, cutting, fixing, finishing, scaffolding, tools, and workmanship, ensuring neat joints and a uniform finish, complete in all respects as per manufacturer's specifications and directions of the Engineer-in-Charge.					0	Sqm	₹ 4,778.30	
35	Providing and fixing wall panelling using Quadra /Hexa uPVC soffit panels of approved make, shade, and finish, manufactured from high-quality virgin uPVC, suitable for interior use and resistant to moisture, termites, rot, and corrosion, including all materials and labour. The panels shall be fixed on a G.I. framework comprising galvanized iron channels, runners, supports, clamps, screws, anchors, and fasteners of adequate gauge, properly aligned, leveled, and securely fixed to the wall/structure. The work shall include supply of panels, G.I. components, trims, corner and edge profiles, joint covers, sealants, cutting, fixing, finishing, scaffolding, tools, and workmanship, ensuring neat joints and a uniform finish, complete in all respects as per manufacturer's specifications and directions of the Engineer-in-Charge.					0	Sqm	₹ 4,724.20	
	Supply and fixing WPC Louvre of 2440 x 190 x 24mm having 55% wood powder and 30% HDPE: density of 1.425gm/ cm3: tensile strength of 29Mpa: modulus elasticity of 3500 Mpa: coefficient of thermal expansion 6 x 10-5 1/K and having anti-termite properties to be fixed with 25mm x 50mm x 1mm aluminium hollow section on the back of the Louvre with a greed work of 400mm gap:center to center with all Labor, material, wastage, etc - all complete at site and directions of the Engineer-in-Charge.					0	Sqm	₹ 7,164.10	
36	Supplying , fitting and fixing of grid mineral fibre ceiling board having size 600 mm x 600 mm x 16mm of approved design and quality complete with frame and all fitting and fixtures.					0	0.00	₹ 1,604.00	
	Providing, fitting and fixing of Sikadur Combiflex SG 20P 200 and sealed by Sikadur 31C @ 1.4kg per meter over the expansion joints after cleaning the joints and applying of Sikadur 32 @ 200 gms per meter Epoxy bonding agent and levelled by Sikagrout 214 @ 8kg per meter and covered with 300mm wide 16 gauge Aluminium sheet complete including cost, conveyance, taxes of all materials, labour, transportation charges etc as per specification and direction of the Engineer-in-charge.					0			
35	Providing & fixing G.C.I. Sheet in roof including fixing of ridges wind ties etc. complete but excluding cost of fitting including drilling holes in wind ties etc. complete as per the direction of the Engineer-in-Charge. (Note- Sample shall be approved before procurement and use.)					0	Sqm	₹ 641.50	

	BWP 710 Grade Plywood & Mica Work - Making and fixing plywood work as per drawing and specification (main Str./body 18-19mm, doors 12-15mm, back panel 6-9mm thickness) with mica finishing for cupboard/racks/shelves/wardrobe with all necessary accessories i.e. metal handles, hinges, clamps, locks and screws etc. of approved quality including cost of all materials, labour & T&P etc complete as per direction of the Engineer-in-charge.					0	Sqm	₹ 11,110.70	
36	Ply Board & Mica Work :- Ply work with mica Finishing including cost of all materials, labour & T&P etc complete as per direction of the Engineer-in-charge.					0	Sqm	₹ 5,456.00	
1	Providing and applying two coats Unitle's 'Rodeo' make or 'Asian Paints' in approved shade on a smooth cement sand plaster. The composition of the texture paint should consist of Acrylic Copolymer Resins combined with Quartz, Silica, mineral aggregates, synthetic inorganic pigments, bactericide, fungicides and various other additives, giving the product water repellent properties. The first coat to be applied by brush or wool roller as a base coat, diluted with sufficient water and the final coat (Undiluted) to be applied by trowel and finished with acrylic trowel to obtain specified grooves. The thickness of both coats should be 1.0 to 1.5mm. The water repellence of the product is 86 gm/m2 as per test method IS: 5410 - 1969. required for the work all complete as per direction of Engineer-in-charge.					0	Sqm	₹ 1,159.20	
37	Providing and executing mural painting work on the specified wall surface using high-quality, weather-resistant acrylic/emulsion paints of approved make and shade, including surface preparation by cleaning, scraping, minor crack filling, smoothing, and application of primer as required. The mural artwork shall be concept-based, aesthetically appealing, and executed by skilled artists as per approved design, theme, color scheme, and drawings, ensuring uniform finish, sharp detailing, and long-lasting color fastness. The work shall include all materials, labour, scaffolding, tools, protection of surrounding areas, and finishing complete in all respects as directed by the Engineer-in-Charge.					0	Sqm	₹ 1,568.00	
37	Heavy Duty Rope Clothesline Ideal for Drying Heavy Clothes 4 mm Thickness Nylon Clothesline White.					0	Sqm	₹ 29.00	
	Supplying and fixing of Hospital Glow Letter Type Name Board (Acrylic) mentioning "VASTALYA SADAN " size as per specification including cost of designing, material, machine cutting & labour for mounting complete in all respect as directed by the Engineer-in-Charge.					0	Job	₹ 70,000.00	
	Supplying and fixing of Hospital Glow Letter Type Name Board (Acrylic) mentioning "REGISTRATION COUNTER" size as per specification including cost of designing, material, machine cutting & labour for mounting complete in all respect as directed by the Engineer-in-Charge.					0	Job	₹ 75,000.00	
	Supplying and fixing Rain Water Harvesting System including gutters, pipes, filters, and storage tanks, machinaries, as well as installation charges etc complete as directed by the Engineer-in-charge.					0	Job	₹ 50,000.00	
	Supplying Master Layout Map in vinyl printing cum pasting colored pictures, text and symbols including fixing, installing and transportation complete as per the direction of the Engineer-in-charge.					0	Sqm	₹ 1,650.00	
1	Providing and supplying aluminium extruded tubular and other aluminium sections as per the architectural drawings and approved shop drawings, the aluminium quality as per grade 6063 T5 or T6 as per BS 1474, including super durable powder coating of 60-80 microns conforming to AAMA 2604 of required colour and shade as approved by the Engineer-in-Charge. (The item includes cost of material such as cleats, sleeves, screws etc. necessary for fabrication of extruded aluminium frame work. Nothing extra shall be paid on this account).					0	Kg	₹ 338.25	
2	Designing, fabricating, testing, protection, installing and fixing in position semi (grid) unitized system of structural glazing (with open joints) for linear as well as curvilinear portions of the building for all heights and all levels, including:(a) Structural analysis & design and preparation of shop drawings for the specified design loads conforming to IS 875 part III (the system must passed the proof test at 1.5 times design wind pressure without any failure), including functional design of the aluminum sections for fixing glazing panels of various thicknesses, aluminium cleats, sleeves and splice plates etc. gaskets, screws, toggles, nuts, bolts, clamps etc., structural and weather silicone sealants, flashings, fire stop (barrier)-cum-smoke seals, microwave cured EPDM gaskets for water tightness, pressure equalisation & drainage and protection against fire hazard including:(b) Fabricating and supplying serrated M.S. hot dip galvanised / Aluminium alloy of 6005 T5 brackets of required sizes, sections and profiles etc. to accommodate 3 Dimensional movement for achieving perfect verticality and fixing structural glazing system rigidly to the RCC/ masonry/structural steel framework of building structure using stainless steel anchor fasteners/ bolts, nylon seperator to prevent bimetallic contacts with nuts and washers etc. of stainless steel grade 316, of the required capacity and in required numbers.(c) Providing and filling, two part pump filled, structural silicone sealant and one part weather silicone sealant compatible with the structural silicone sealant of required bite size in a clean and controlled factory / work shop environment, including double sided spacer tape, setting blocks and backer rod, all of approved grade, brand and manufacture, as per the approved sealant design, within and all around the perimeter for holding glass.(d) Providing and fixing in position flashings of solid aluminium sheet 1 mm thick and of sizes, shapes and profiles, as required as per the site conditions, to seal the gap between the building structure and all its interfaces with curtain glazing to make it watertight.					0	Sqm	₹ 2,866.10	
	Extra for openable side / top hung vision glass panels (IGUs) including providing and supplying at site all accessories and hardwares for the openable panels as specified and of the approved make such as heavy duty stainless steel friction hinges, min 4 - point cremone locking sets with stainless steel plates, handles, buffers etc. including necessary stainless steel screws/ fasteners, nuts, bolts, washers etc. all complete as per the Architectural drawings, as per the approved shop drawings, as specified and as directed by the Engineer- in-Charge.					0	Sqm	₹ 2,997.60	
	Providing, assembling and supplying vision glass panels (IGUs) comprising of hermetically-sealed 6-12- 6 mm insulated glass (double glazed) vision panel units of size and shape as required and specified, comprising of an outer heat strengthened float glass 6mm thick hard coated low emmissivity glass, of approved colour and shade with reflective soft coating on surface # 2 of approved colour and shade, an inner Heat strengthened clear float glass 6mm thick, spacer tube 12mm wide, dessicants, including primary seal and secondary seal (structural silicone sealant) etc. all complete for the required performances, as per the Architectural drawings, as per the approved shop drawings, as specified and as directed by the Engineer-in-Charge. The IGUs shall be assembled in the factory/ workshop of the glass processor."(Payment for fixing of IGU Panels in the curtain glazing is included in cost of item No.26.2)"For payment, only the actual area of glass on face # 1 of the glass panels (excluding the areas of the grooves and weather silicone sealant) provided and fixed in position, shall be measured in sqm." (i) Coloured tinted float glass 6mm thick substrate with reflective soft coating on face # 2, + 12mm Airgap + 6mm Heat Strengthened clear Glass of approved make having properties as visible Light transmittance (VLT) of 25 to 35 %, Light reflection internal 10 to 15%, light reflection external 10 to 20 %, shading coefficient (0.25- 0.28) and U value of 3.0 to 3.3 W/m2 degree K etc. The properties of performance glass shall be decided by technical sanctioning authority as per the site requirement.					0	Sqm	₹ 3,036.10	

	Providing and fixing ISI Marked insulated fire rated door conforming to IS 3614: 2021, & tested to IS17518, and shall carry a unique label with certification/test report number. The fire rating shall be for 120minutes integrity and 30minutes insulation. Material shall be galvanised steel conforming to IS 277, made out of minimum 1.2 (18 SWG) for both frame and shutter, G.I. sheet (zinc coating 120 gsm). Frame shall be 125 x 75 grooved step profile with built in rebate for fire rated smoke seal. Frame shall be mitered and field assembled. EPDM smoke seal to be provided along with frame as standard. Door shutter shall be double skin of 60mm thick step with required fire rating and insulation with vision panel. The infill material shall be high density mineral wool of minimum 120kg/sq.m3. Intumescent seal shall be provided on all around the door leaf of minimum size 15 x 1.5mm thick. All doorset shall be factory prepped for receiving appropriate hardware and provided with necessary reinforcement for hinges, locks and door closers. The door stiles should be interlocked, for pairs of doors integral astragals has to be provided on the meeting stile for both active and inactive leaf. Vision lite, minimum 5mm clear fire rated glass of size 200 x 300mm (max 0.06sq.mt) on shutter, fixing with clipon arrangement. All frame and door shutter shall be finished polyester powder coated to minimum 50microns, of approved colour as per the direction of the engineer incharge. Cost of doorset shall include following hardware and accessories as a complete assembly. SS ball bearing hinges of SS304 grade of size 100x75x3mm, 1 set Panic device for double leaf doorset and external trim with key cylinder tested as per EN1125 and CE marked. 1no Door closer per leaf with spring size of EN 3-5, as per EN1154 & CE marked, 1no door door coordinator also be given in case of double leaf door. Suitable anchor fastners for fixing on different type of wall construction as per manufacturer recommendation. Once frames is installed it shall be filled with fire rated PUF. Manufacturer test certificates shall covers complete door set as a latched assembly with a valid test certificate not exceeding 5 years from the date of issue of report. for more info refer doors details drawing. Approved make : Shakti Hormann, MPP, Godrej, Promat					0	Sqm	₹ 23,880.00	
	Providing and fixing of Standard Duty Hollow Metal Door Frame and Flush Door Shutter of approved make such as Shakti Hormann, conforming to IS 4351 for steel door frames and IS 2191 (Part-II) for shutters, manufactured in an ISO 9001:2015 certified facility. The door frame shall be single rebate grooved profile of size 125 x 55 mm fabricated from 1.2 mm (18 gauge) thick galvanized steel sheet conforming to IS 277, suitable for 40 mm thick shutter, with mitered corners, self-tab assembly, inbuilt groove for PVC sealing system, mortised, drilled and tapped for hardware, complete with back plate brackets, anchor fasteners for fixing in finished plastered masonry openings, filled with non-fire rated PUF and gaps sealed with silicone sealant. The door shutter shall be 40 mm thick fully flush type with tubular core chipboard infill, faced on both sides with minimum 3 mm thick calibrated pre-laminated fibre board of minimum density 850 kg/m³ in approved shade, with minimum 40 mm wide LVL rails and stiles, all edges finished with 0.8 mm thick PVC edge banding using PUR hot melt adhesive, factory pre-engineered for hardware fixing, complete with all materials, labour, transportation, fitting and fixing in position including PVC seal, approved hardware provisions and finishing in GRAINTEK texture/wood stain/powder coated finish as specified, complete in all respects as per direction of Engineer-in-Charge.					0	Sqm	₹ 9,285.00	
33	Providing and fixing of Sliding windows of approved make to be fabricated from roll formed sections made of pre-painted steel (base steel as per IS-513 of 0.6 mm thick "D" quality, galvanized as per IS-277 with zinc of 120 Gm/Sq.mtr) with total coated thickness of 0.55 mm Slide guide section should be made of 0.5 mm stainless steel of 430 grade. with paint specification being with primer of 5-7 microns thick and finished paint with polyester paint (Black /Pearl white/ Chocolate Brown) of 12-16 microns along with the alkyd backer at the back of 5-7 microns and the Sections for external frame bottom and top should be of 79 x 45 mm. external frame sides should be of 69 x 24 mm, guide for top and bottom should be of 69 x 26 mm (Stainless Steel). Section for shutter should be of 26 x 30 mm, Sash bar should be of 23 57mm. Accessories / gaskets are to be used as per the manufacturer's supply and specification like gasket will be made of EPDM. All corner brackets for internal and external are to be made of glass filled nylon. The sections are to be cut to length joined and assembled by means of corner bracket and frames are fixed to the concrete/masonry walls by means of self expanding screws and glass to be used of 5 mm reflective with all taxes complete.	0.00	0.00						
	Ground Floor	147.15				147.15	Sqm	₹ 6,487.00	954,562.05
	First Floor					0	Sqm	₹ 9,810.70	
	Second Floor					0	Sqm	₹ 9,810.70	
	Third Floor					0	Sqm	₹ 9,810.70	
	Fourth Floor					0	Sqm	₹ 9,810.70	
	Fifth Floor					0	Sqm	₹ 9,810.70	
	SIXth Floor					0	Sqm	₹ 9,810.70	
	Add for plaster drip course/ groove in plastered surface or moulding to R.C.C. projections.					0			
	Ground Floor					0	Rmt	₹ 43.80	
	First Floor					0	Rmt	₹ 43.80	
	Second Floor					0	Rmt	₹ 43.80	
	Third Floor					0	Rmt	₹ 43.80	
	Fourth Floor					0	Rmt	₹ 43.80	
	Fifth Floor					0	Rmt	₹ 43.80	
	SIXth Floor					0	Rmt	₹ 43.80	
34	Providing and fixing barbed wire fencing on R.C.C. (1:2:4) fencing posts with chips 1.68M long 13cm x 13cm at bottom and 8cm x 8cm at top and 30cm 30cm x 8 cm base finished smooth by means of staples and staining hooks by means of tying with G.I wire and including cost of barbed wire, staples, hooks, tying wires and labour, post etc complete in all respect as per the direction of the Engineer-in-charge.				300.00	300	Rmt	₹ 910.44	273,131.57
35	Providing, fitting and fixing of Sikadur Combiflex SG 20P 200 and sealed by Sikadur 31C @ 1.4kg per meter over the expansion joints after cleaning the joints and applying of Sikadur 32 @ 200 gms per meter Epoxy bonding agent and levelled by Sikagrout 214 @ 8kg per meter and covered with 300mm wide 16 gauge Aluminium sheet complete including cost, conveyance, taxes of all materials, labour, transportation charges etc as per specification and direction of the Engineer-in-charge.	157.75				157.75	Rmt	₹ 2,676.10	422,154.78
36	Providing and fixing of Fixed Glazing with part Top hung of approved make to be fabricated from roll formed sections made of pre-painted steel (base steel as per IS-513 of 0.6 mm thick "D" quality, galvanized as per IS-277 with zinc of 120 Gm/Sq.mtr) with paint specification being with primer of 5-7 microns and finished paint with polyester paint (Black /Pearl white/ Chocolate Brown) of 12-16 microns alongwith the alkyd backer at the back of 5-7 microns and the sizes of outer frame being of 46x52 mm and with all vertical and horizontal mullions are of 46x70 mm and fixed beadings are of 18x25 mm. Top hung shutter should be of 46 x 46 mm. Accessories / gaskets are to be used as per the manufacturer's supply and specification like handle being made of high grade aluminium powder coated and with nylon receiver and gasket will be made of EPDM. All corner brackets are to be made of CRCA with zinc phosphating. The mullion caps and louvered-clips should be of glass filled nylon. The sections are to be cut to length, mitre joined with corner bracket and frames are fixed to the concrete/masonry walls by means of self expanding screws and glass to be used of 5 mm reflective with all taxes complete.	21.60	16.80			38.4	Sqm	₹ 6,531.70	250,817.28
37	Providing and fixing of partly fixed partly top hung and partly louvered windows of approved make to be fabricated from roll formed sections made of pre-painted steel (base steel as per IS-513 of 0.6 thick "D" quality, galvanized as per IS-277 with zinc of 120 Gm/Sq.mtr) with paint specification being with primer of 5-7 microns and finished paint with polyester paint (Black /Pearl white/ Chocolate Brown) of 12-16 microns alongwith the alkyd backer at the back of 5-7 microns and the sizes of outer frame being of 46x52 mm and with all vertical and horizontal mullions are of 46x70 mm and fixed beadings are of 18x25 mm. Section for internal top and bottom frames in the louvered areas should be 18 x 40 mm. Top hung shutter should be of 46 x 46 mm. Accessories / gaskets are to be used as per the manufacturer's supply and specification like handle being made of high grade aluminium powder coated and with nylon receiver and gasket will be made of EPDM. All corner brackets are to be made of CRCA with zinc phosphating. The mullion caps and louvered-clips should be of glass filled nylon. The sections are to be cut to length, mitre joined with corner bracket and frames are fixed to the concrete/masonry walls by means of self expanding screws and glass to be used of 5 mm frosted with all taxes complete.	9.72				9.72	Sqm	₹ 5,871.50	57,070.98

[illegible]

A.	INTERNAL P.H. & SANITARY WORK				
Sl. No.	Description of work	Unit	Qty.	Rate	Amount Rs.
1	Providing and fixing Chlorinated Polyvinyl Chloride [CPVC] pipes SDR-11 conforming to IS:15778, having thermal stability for hot & cold water supply , including all CPVC plain & brass threaded fitting including fixing the pipe with clamps at 1.00m spacing . This includes jointing of pipes and fittings with one stp CPVC solvent cement and testing of joints complete as per specification and direction of Engineer-in-charge.				
	20 mm PVC sch-80 pipes	Mtr	70.0	307.60	21532.00
	25 mm PVC sch-80 pipes	Mtr	70.0	426.80	29876.00
	32 mm PVC sch-80 pipes	Mtr	100.0	587.20	58720.00
	50 mm PVC sch-80 pipes	Mtr	120.0	1201.50	144180.00
2	Supplying all materials,labour and T&P for cutting holes through existing brick work including making good to the same in cement mortar(1:4) for taking G.I. pipes and fittings /P.V.C. pipes and fittings all complete as per specification.				
	250mm Thick	Each	38.0	67.40	2561.20
3	Supplying all materials,labour and T&P for cutting holes in R.C.C. floors and roofs up to 19 cm. thick including for passing GI / PVC pipes and fittings etc. and repairing the holes after insertion of pipes etc. with cement concrete 1:2:4 including finishing complete to make it leak proof leak to the damages all complete as per specification and direction of the Engineer-in-charge.				
		Each	7.0	220.10	1540.70
4	Supplying all materials,labour and T&P for cutting groves in pucca floor and walls for taking G.I. pipes and fittings /P.V.C. pipes and fittings and making good to the damages all complete as per specification.				
		Mtr	70.0	285.70	19999.00
5	Supplying all materials, labour T&P and fitting and fixing brass/CP fittings of the following nominal bore with supply of all jointing materials complete as per specification and direction of the Engineer-in-charge.				
a)	Supplying all labour and T&P for fixing 2 in 1 bib cock of the following size as per specification all complete.				
		Each	16.0	1308.30	20932.80
b)	Supplying all labour and T&P for fixing long body bib cock of the following size as per specification all complete.15mm Dia				
		Each	4.0	1078.20	4312.80

Sl. No.	Description of work	Unit	Qty.	Rate	Amount Rs.
c)	Supplying all labour and T&P for fixing CP Angular stop cocks polished bright confirming to IS:781-1995 of the following nominal sizes as per specification all complete. 15mm Dia				
		Each	28.0	937.60	26252.80
d)	Supplying fitting fixing of C.P Pillar Taps highpressure lettered Hot and cold with long screws shanks and back nuts of the following nominal bore as per specification. (Make-Somany/Cera/Hindware) 15mm Dia				
		Each	17.0	1475.00	25075.00
e)	Supplying all labour and T&P for fixing CP short body Bib cock [taps] polished bright confirming to IS:781-1995 of the following nominal sizes as per specification all complete .				
		Each	3.0	915.50	2746.50
f)	Supplying all labour and T&P for fixing U.P.V.C Ball valve [horizontal plungr type] confirming to IS:1703-1977 of the following nominal sizes as per specification all complete.) 25mm Dia	Each	6.0	687.10	4122.60
g)	Supplying all labour and T&P for fixing U.P.V.C Ball valve [horizontal plungr type] confirming to IS:1703-1977 of the following nominal sizes as per specification all complete. 32mm Dia	Each	4.0	1421.60	5686.40
h)	Supplying all labour and T&P for fixing U.P.V.C Ball valve [horizontal plungr type] confirming to IS:1703-1977 of the following nominal sizes as per specification all complete. 50mm Dia	Each	2.0	3125.10	6250.20
i)	Providing and fixing C.P. Brass Extension Nipple 1 inch with extension piece as per direction of Engineer-in-charge.	Each	15.0	594.39	8915.85
j)	Supplying fitting fixing of CP waste of the following noninal diameter for wash hand basin and sink as per specification.	Each	14.0	380.10	5321.40
k)	Supplying all materials,labour and T&P for fixing CP Gratings of the following nominal diameter of outlet, of self cleaning design with sand cast iron screwed down or hinged grating with or without vent arm including cutting and making good to the walls and floors etc. all complete as per specification.				
		Each	38.0	1190.40	45235.20

Sl. No.	Description of work	Unit	Qty.	Rate	Amount Rs.
1)	Providing and fixing of approved make and model for Chrome plated Grab Bar, for Physically challenged toilet, The work shall include the cutting of walls or floors & making good, complete as per direction of Engineer in Charge.				
		Each	1.0	4387.44	4387.44
6	Supplying fitting fixing of C.P health faucet high pressure lettered Hot and cold with long screws shanks and back nuts of the following nominal bore as per specification.				
	15mm dia CP Health Faucet of 1mtr long PVC tube				
		Each	8.0	809.80	6478.40
7	Providing and fixing of Rational moulded polyethylene cylindrical vertical water storage tanks conforming to IS:12701-1996 including cutting holes through the tank and fixing mild steel tubes and fittings and providing extra sockets and jam nuts, fixing ball valve etc. including hoisting up to a height of 5.00m above ground level and placing the tank to the required position etc. all complete as per specification and direction of the engineer-in-charge.				
i)	Overhead water storage tanks	Lit.	8000.0	13.59	108753.92
ii)	Extra over item no.3.1.8 for hoisting Rational moulded polyethylene cylindrical vertical water storage tanks of following sizes for every additional height of 5.00m. Or part thereof complete as per specification and direction of the engineer-in-charge.				
	Water storage tanks	Each	4.0	1248.00	4992.00
8	Supplying all materials, labour, T&P and fitting and fixing U-PVC SWR soil waste ventilating pipes and fittings of the following outside diameter conforming to ISI No 13592/1992 to walls with nails, bobbins and wooden plugs or laying in trenches including jointing with supply of approved rubber lubricant by non-heat application method/as per manufacturer's specification, testing, earthwork in excavation in all kinds of soil and refilling of trenches as per specification and direction of the Engineer-In-Charge.				
	110mm diameter PVC SWR pipes	Mtr	105.0	391.30	41086.50
	75mm diameter PVC SWR pipes	Mtr	90.0	242.90	21861.00
	110mm PVC door Tee	Each	12.0	388.60	4663.20
	75mm PVC door Tee	Each	5.0	293.00	1465.00
	110mm PVC offset	Each	10.0	138.00	1380.00
	110mm PVC door bend	Each	10.0	216.40	2164.00
	75mm PVC door bend	Each	10.0	114.10	1141.00
	110mm PVC plain shoe bend	Each	10.0	170.80	1708.00
	75mm PVC plain shoe bend	Each	10.0	83.20	832.00
	110mm PVC vent cowl	Each	10.0	86.60	866.00
	75mm PVC vent cowl	Each	0.0	73.00	0.00
	110mm S-trap	Each	12.0	629.70	7556.40
	110mm P-trap	Each	1.0	348.20	348.20

Sl. No.	Description of work	Unit	Qty.	Rate	Amount Rs.
	110mm SWR Pipe Clip	Each	105.0	30.40	3192.00
	75mm SWR Pipe Clip	Each	90.0	23.40	2106.00
	110/75 mm Dia Reducer/Connector	Each	5.0	258.50	1292.50
	90mm Nahani Trap	Each	33.0	145.60	4804.80
9	Supplying all materials,labour and T&P for fixing of PVC 10 ltr capacity low level flushing cistern with manually controlled device[handle cover] confirming to IS 7231 with fittings and fixtures etc. all complete as per specification.				
	10 Liters capacity PVC cistern				
		Each	16.0	1954.30	31268.80
10	Supplying all materials,labour and T&P for fixing water closet ,squatting pan(Indian type.W.C.pan or Orissa pan) confirming to IS 2556 : Part-3-2004 duly embedded in cement concrete (1:4:8) using 40mm.nominal size h.b.g. chips [including foot rest for I.W.C. and trap] all complete as per specificationand directon of theEngineer - in - charge.				
		Each	8.0	3837.70	30701.60
11	Supplying all materials,labour and T&P for fixing in cement mortar (1:3) a pair of white vitereous china (250x130x30mm.) foot rest for squatting water closet. etc. all complete as per specificationand direction of the Engineer-in-charge.				
		Pair	8.0	560.90	4487.20
12	Supplying all materials,labour and T&P for Supplying all materials,labour and T&P for fixing wash down water closet (European type W.C.) with integral "S" or "P" trap tothe floor with wooden plug and chromium plated screw including jointing the trap with soil pipe in cement mortar (1:1) etc. all complete as per specification.				
		Each	7.0	3175.60	22229.20
13	Supplying all materials,labour and T&P for fixing plastic seat and cover for wash down water closet with chromium plated brass hinges and rubber buffers all complete as per specification.				
		Each	7.0	923.40	6463.80
14	Supplying all materials,labour and T&P for fixing wash hand basin (SS Made) with hole for pillar taps confirming to IS 2556:part4-2004 with cast iron /M.S. brackets painted white including cutting holes in walls and making good to the damages etc. all complete as per specification.				

Sl. No.	Description of work	Unit	Qty.	Rate	Amount Rs.
		Each	12.0	4599.30	55191.60
15	Supplying all materials,labour and T&P for fixing corner wash hand basin with hole for pillar taps confirming to IS 2556:part4-2004 with cast iron /M.S. brackets painted white including cutting holes in walls and making good to the damages etc. all complete as per specification.				
		Each	4.0	2666.60	10666.40
16	Supplying all materials,labour and T&P for fixing Pedestal for wash hand basin complete recessed at the back for the reception of pipe and fittings etc. all complete as per specification including cost of pedestal for wash basin				
		Each	4.0	2621.90	10487.60
17	Supplying all materials,labour and T&P for fixing of 600x450 bevelled edge mirror of superior glass mounted on 6mm thick ac sheet or ply wood sheet and fixed to wooden plugs with chromium plated brass screws and washers etc. All complete as per specification .				
	600mmx450mm size B.E.mirror				
		Each	12.0	2167.70	26012.40
18	Supplying all materials,labour and T&P for fixing standard size glass self with chromium plated brass brackets fixed to wooden plugs with chromium plated brass screws and washers etc. all complete as per specification.				
		Each	13.0	801.70	10422.10
19	Supplying all materials,labour and T&P for fixing standard size C. P. towel rail fixed with chromium plated brass brackets fixed to wooden plugs with chromium plated brass screws complete as per specification.				
		Each	8.0	1080.10	8640.80
20	Supplying all materials,labour and T&P for fixing of chromium plated brass soap dish complete with chromium plated brass brackets fixed to wooden plugs with chromium plated brass screws as per specification.				
		Each	16.0	354.40	5670.40
21	Supplying all materials,labour and T&P for fixing standard size C. P. towel ring fixed fixed to wooden plugs with chromium plated brass screws complete as per specification.	Nos	16.0	546.80	8748.80

Sl. No.	Description of work	Unit	Qty.	Rate	Amount Rs.
22	Supplying all materials,labour and T&P for fixing of liquid soap container - glass container or plastic container with chromium plated brass lid and brackets fixed to wooden plugs with chromium plated brass screws as per specification.	Nos	4.0	1768.50	7074.00
23	Supplying all materials,labour and T&P for fixing stainless steel AISI 304 [18/8] Kitchen sink as per IS 13983 with cast iron bracet and stainless steel plug including painting of fittings and brackets ,cutting and making good to the walls etc. all as per specification including cost of sink with all accessories.				
		Nos	2.0	6159.20	12318.40
24	Supplying all labour and T&P for fixing CP Concealed stop cocks polished bright confirming to IS:781-1995 of the following nominal sizes as per specification all complete.	Each	8.0	1124.00	8992.00
25	Supplying all materials,labour and T&P for fixing Porcelain Urinal respectively with waste pipe by means of white lead mixed with chopped hemp etc. all complete as per specification.	Each	8.0	7594.20	60753.60
26	Fixing standard size Chromium Plated brass or glazed porcelain Toilet paper holder fixed to woden plugs with Chromium Plated brass screws complete as per specification and direction of the Engineer in charge.	Each	2.0	1190.30	2380.60
27	Providing and fixing approved quality E.W.C Matrix Set with grab bar set for Handicap (Accessible) Toilet consisting of stainless steel grab bars and support fittings required for differently-abled users, conforming to universal accessibility standards. The set shall include wall-mounted horizontal and vertical support bars near WC and wash basin area, made of SS 304 grade stainless steel with satin/matt finish, complete with necessary brackets, anchor fasteners, screws, bends, end caps, and accessories. The arrangement shall provide safe support and ease of movement for wheelchair users and physically challenged persons. Installation shall be done in proper alignment, level, and position as per approved drawings and accessibility guidelines, complete in all respects as per the direction of the Engineer in charge.	Each	1.0	79800.00	79800.00

	Total Rs.				1056648.11

B.	EXTERNAL P.H. & SANITARY WORK				
Sl. No.	Description of Work	Unit	Qty	Rate	Amount Rs.
1	Supplying all materials, labour, T & P and constructing Gully trap chamber of the following inside size with 8 cm thick R.C.C. precast cover slab in CC (1:2:4) mix using 12mm size h.g. chips, foundation concrete (1:4:8) using 40mm size h.g. metal on bed around trap, Fly Ash brickwork in CM (1:6) in P&F and inside 12mm thick cement plastering (1:3) finished with a floating coat of neat cement including fixing 100mm x100mm size gully trap, 150mm x150mm C.I gratig etc. all complete as per aproved drawing, specification and direction of Engineer-in-charge.				
	250mmx250mm with RCC cover	Each	10.00	1714.40	17144.00
2	Constructing inspection chamber with R.C.C top slab in (1:2:4) mix, foundation concrete (1:3:6), inside plaster 12mm thick with cement mortar (1:3) finished with neat cement punning, 12mm thick outside cement plaster (1:3), brick work with K.B bricks having crushing strength not less than 75kg/cm ² with dimensional tolerance \pm 8 percent in cement mortar (1:5), cement concrete (1:2:4) finished smooth using 12mm size h.g chips, earthwork in excavation in all kinds of soil and refilling the cavity around the chamber complete as per specification.				
	Inspection Chamber inside size 750mm x 750mm and 450mm	Each	8.00	13667.60	109340.80
3	Supplying all materials,labour and T&P for laying in trenches unplasticized PVC pipes and specials of the following outside dia. for all classes including jointing with approved solvent cement by non-heat application method including testing as per specification and direction of Engineer-in-charge etc. all complete. [including earth work and cost of pipes.				
a)	110 mm dia U-PVC pipes Class-3	mtr	60.00	1037.50	62250.00
b)	160 mm dia U-PVC pipes Class-3	mtr	30.00	2234.60	67038.00
4	Constructing manholes with R.C.C top slab in (1:2:4) mix, foundation concrete (1:3:6), inside plaster 12mm thick with cement mortar (1:3) finished with neat cement punning, 12mm thick outside cement plaster (1:3), brick work with K.B bricks having crushing strength not less than 75kg/cm ² with dimensional tolerance \pm 8 percent in cement mortar (1:5), cement concrete (1:2:4) finished smooth using 12mm size h.g chips, earthwork in excavation in all kinds of soil and refilling the cavity around the chamber complete as per specification.				
a)	Plain Manholes inside size 900mm x 800mm and 450mm deep	each	8.00	18295.40	146363.20
5	Construction of 50 Users Septic Tank (2 No.s)				
a)-i	Earth work in excavation in foundation trenches, column foundation, pit, etc in all kind of soil including moorum stony earth and earth mixed with boulders except sheet rock and boulders not requiring blasting including dressing of sides and levelling the bed up to the required depth and depositing the excavated materials away from the work site with initial lead of 50 mtr and all lifts, including shoring, shuttering & dewatering (if required) with cost of labour, labour cess, hire & running charges of all machineries, sundries & T&P required for the work complete as directed by the Engineer in charge.	Cum	56.88	311.50	17718.12
a)-ii	Above 1.5mt. Depth	Cum	47.57	334.00	15887.71
b)	Filling the Plinth with excavated materials (excluding rock), in layers not exceeding 0.225 m in depth including cost of watering, ramming, dressing and levelling the top to proper level & gradient, cost of labour, conveyance, loading, unloading, T&P, etc, all complete as per the direction of Engineer-in-Charge.	Cum	70.71	173.10	12240.13
c)	Supplying and Filling with Sand in Foundation and Plinth in layers not exceeding 20 cm in depth, well watered and compact, top surface dressed and levelled to proper level and gradient including cost of all materials, conveyance, royalties, loading, unloading, cost of all labour, T&P, etc.All compelete as per the dirrection of Engineer-in-charge.	Cum	2.96	804.40	2379.42

Sl. No.	Description of Work	Unit	Qty	Rate	Amount Rs.
d)	Providing and lying Plain Cement Concrete of proportion (1:4:8) in foundation & floor using 40 mm & down grade black hard crusher broken granite stone metal, washed and screened sharp sand of approved quality from approved quarry including hoisting, lowering, laying the concrete, ramming, watering and curing etc. complete to required thickness including cost of all materials, conveyance, loading, unloading, royalties, taxes, cost of labours, T&P, hire & running charges of concrete mixer, etc. all complete as per the direction of the Engineer -in -charge.	Cum	2.96	5970.00	17659.26
e)	Providing and lying Plain Cement Concrete of proportion (1:3:6) in foundation & floor using 40 mm & down grade black hard crusher broken granite stone metal, washed and screened sharp sand of approved quality from approved quarry including hoisting, lowering, laying the concrete, ramming, watering and curing etc. complete to required thickness including cost of all materials, conveyance, loading, unloading, royalties, cost of labours, T&P, hire & running charges of concrete mixer, etc. all complete as per the direction of the Engineer -in -charge.	Cum	3.92	6355.30	24938.20
f)	Providing 12mm thick cement plaster in cement mortar (1:4) with neat cement punning including racking out joints, scraping and cleaning the surface and finishing the plaster surface smooth using wooden floats, bars, etc only to proper plumbs and level and making grooves, beads and drip coarse to give required ornamental finish as per drawings including cost of all materials, conveyance, loading and unloading, taxes, royalties, cost of all labour, scaffolding, staging, watering before plastering and curing, sundries and T&P, etc. complete as per direction of the Engineer-in-charge.	Sqm	15.84	213.90	3388.18
g)	Providing, lifting, hoisting and laying in position machine batched , machine mixed and machine vibrated design mix cement concrete of M-25 Including the cost of Centering and Shuttering (minimum cement content not less than 403 Kg/Cum) grade in reinforced cement concrete structural elements using black hard crusher broken granite chips of approved quality from approved quarry including mixing and compacting to proper shape and size, level and plumbs and finishing the exposed surfaces smooth including the cost of all materials, cost of labour, conveyance, loading, unloading, royalties, watering and curing for the required period, T&P , hire & running charges of concrete mixer and vibrator, cost of Admixtures in recommended proportions (as per IS 9103) to accelerate, retard setting of concrete, improve workability without impairing strength and durability etc. complete as per the direction of the Engineer-in-charge but excluding the cost of steel reinforcement				
i.	Base	Cum	5.47	7210.20	39410.95
ii.	Slab	Cum	4.64	12989.00	60320.92
iii.	Wall	Cum	21.33	12273.30	261826.31
h)	Providing & fixing TOR Fe-500 HYSD Reinforcement bars of required diameter and approved quality for Reinforced Cement Concrete work including straightening, cutting, bending, binding, welding(if approved) , joining (if necessary), tying the grills, hoisting, lowering and placing in position as per the approved design & drawings (BBS) with provision of standard fan hooks including the cost of all materials, cost of all labour, conveyance, loading, unloading, cost of binding wires of 18 to 20 gauge, T&P, etc, all complete as per the direction of Engineer-in-Charge. Note: (Linear measurements will be taken & quantity will be calculated on standard weight. Lap length of bars & Weight of binding wire will not be considered for measurement and payment).	Qtl.	42.45	9540.50	404975.62
i)	Supplying all materials, labour, T&P and making MS step iron in 20mm diameter MS steel bars and fixing into walls of man hole/septic tank duly embedded in cement concrete (1:3:6) complete as per specification and direction of the Engineer in charge.	Each	4.00	160.10	640.40
j)	Supplying all materials, labour, T&P and laying in trenches (to level or slope) and jointing with provision of stiff mixture of cement mortar in proportion of 1:1 for salt glazed stoneware pipes, Grade—A of the following internal diameters including testing of pipes and joints complete. 110mm diameter UPC pipe	Mtr	12.00	1037.50	12450.00

Sl. No.	Description of Work	Unit	Qty	Rate	Amount Rs.
6	Constructing RCC soak way pit with R.C.C top slab in (1:2:4) mix, inside plaster 12mm thick with cement mortar (1:3) finished with neat cement punning, 12mm thick outside cement plaster (1:3), brick work with K.B bricks having crushing strength not less than 75kg/cm ² with dimensional tolerance \pm 8 percent in cement mortar (1:4), cement concrete (1:2:4) finished smooth using 12mm size h.g chips, complete as per specification.				
a)	RCC soak way pit of size 1.5m x 1.8m deep	each	8.00	10267.40	82139.20
	Borewell				
7	Supplying all materials,labour T&P and providing fitting submersible pump with squarrel cage inspection type submerssible type submersible electric motor to run on 3 phase/1 phase line voltage rangingfrom 320 volt to 450 volt conforming to IS :8034/89				
a	One no. 3 phase 2 H.P 3 stage head range 30 to 54 mtr. Discharge 155 to 200 LMP with outlate dia 32mm.	Set	1	19850.00	19850.00
b	2.5 Sq mm cable.	Mtr	70	154.00	10780.00
c	40mm dia steel short piece.	Each	2	202.00	404.00
d	Steel rope wit cover.	Mtr	70	35.40	2478.00
e	Well Cap.	Each	1	202.00	202.00
f	50mm size CI bracket.	Each	1	121.20	121.20
g	20mm dia rigid HDPE pipes.	Mtr	70	99.80	6986.00
h	Boring up to 30 mtr.	Mtr	30	890.30	26709.00
i	Boring work Above 30 mtr.	Mtr	50	890.30	44515.00
j	8" ASTM pipe SCH-80	Mtr	70	2290.46	160332.20
k	Delivery	Set	1	2000.00	2000.00
l	Labour charges for lowering of summerssible pumpset with pipes and cables etc with testing and commissioning at site.	Mtr	70	125.00	8750.00

	Total Rs.				1641237.80

INTERNAL ELECTRICAL WORK FOR SCHOOL BUILDING					
Sl. No.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT Rs.
	INTERNAL WIRING				
1	Recessed wiring to light point / first light of group control/ call bell point/ exhaust fan point /wall fan point with 1.5 sq.mm FRLSH PVC insulated single core multistrand copper conductor of ISI marked in 20 mm dia non-metalic PVC conduit with 6 Amp, 250 V clip in type switch ISI marked and ceiling rose ISI marked mounted on G.I modular box with face plate & cover of suitable size , with 1.5 sq.mm FRLSH PVC insulated single core multistrand copper conductor as earth wire including all accesories and connection as per direction of Engineer in Charge.				
	Group C	Nos.	150	1269.00	190350.00
2	Recessed wiring to secondary light point looped from primary light point with 1.5sqmm FRLSH PVC insulated single core multistrand copper conductor of ISI marked with 20mm dia non-metallic PVC conduit with 1.5sqmm FRLSH PVC insulated single core multistrand copper conductor for running earth including 3 plate ISI marked Ceiling rose with all accessories & connection as per direction of Engineer-in-charge.Average Length: 3 mtr	Nos.	55	478.00	26290.00
3	Recessed wiring to ceiling fan point with 1.5sqmm FRLSH PVC insulated single core multistrand copper conductor of ISI marked with 20mm dia non-metallic PVC conduit with 6Amp 250V Modular Switch,Stepped type Moudular Regulator, Base & Cover with 1.5sqmm FRLSH PVC insulated single core multistrand copper conductor for running earth including all accessories & connection as per direction of Engineer in charge. Group c	Nos.	65	1665.00	108225.00
4	Recessed wiring to Twin control light point with 1.5 sq.mm FRLSH PVC insulated single core multistrand copper conductor of ISI marked in 20 mm dia non-metalic PVC conduit with 6Amp, 250 V clip in type 2way switch ISI marked and ceiling rose ISI marked mounted on G.I modular box with face plate & cover of suitable size , with 1.5 sq.mm FRLSH PVC insulated single core multistrand copper conductor as earth wire including all accesories and connection as per direction of Engineer-in-charge.Group C	Nos.	10	1710.00	17100.00
5	Recessed wiring for 5 / 6 amp socket outlet with 6Amp, 250 V clip in type modular switch ISI marked mounted on G.I moular box with face plate & cover of suitable size including all accesories and connection on same switch board as per direction of Engineer-in-charge.	Nos.	53	578.00	30634.00
6	Recessed wiring for 5 / 6 amp socket outlet with 2 x 1.5 sq.mm FRLSH PVC insulated single core multistrand copper conductor of ISI marked in 20 mm dia non-metalic PVC conduit with 6Amp, 250 V clip in type switch ISI marked mounted on G.I moular box with face plate & cover of suitable size , with 1.5 sq.mm FRLSH PVC insulated single core multistrand copper conductor as earth wire including all accesories and connection on separate board as per direction of Engineer-in-charge.Group C	Nos.	5	1419.00	7095.00
7	Recessed wiring for 2 x 6 amp socket outlet controlled by 2 nos 6Amp, 250 V clip in type switch ISI marked mounted on single G.I moular box with face plate & cover of suitable size including all accesories and connection on separate board as per direction of Engineer-in-charge.	Nos.	35	1061.00	37135.00
8	Recessed wiring for 6 pin 16 amp socket outlet with 16Amp, 250 V clip in type switch ISI marked mounted on G.I moular box with face plate & cover of suitable size including all accesories and connection as per direction of Engineer-in-charge.	Nos.	20	918.00	18360.00

Sl. No.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT Rs.
9	Recessed wiring for A.C/ Power socket outlet with industrial type socket outlet, plug top and metal chained cover in sheet steel enclosure ,20A/32A SP MCB including all accesories and connection as per direction of Engineer-in-charge.	Nos.	5	1096.00	5480.00
10	Recessed wiring to exhaust fan/Wall Fan point with 1.5sqmm FRLSH PVC insulated single core multistrand copper conductor of ISI marked with 20mm dia non-metallic PVC conduit with 6Amp 250V Modular Switch, Base & Cover with 1.5sqmm FRLSH PVC insulated single core multistrand copper conductor for running earth including all accessories & connection as per direction of Engineer in charge.Group C	Nos.	22	1269.00	27918.00
11	Call bell point	Nos.	3	1432.00	4296.00
12	Recessed wiring for 3 x 6 amp socket outlet controlled by 2 nos 6Amp, 250 V clip in type switch ISI marked mounted on single G.I moular box with face plate & cover of suitable size including all accesories and connection on separate board as per direction of Engineer-in-charge.	Nos.	1	1191.00	1191.00

	SUB TOTAL				474074.00
	SUBMAIN				
13	Recessed wiring to submain in 4 x 10 sq.mm FRLSH PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 32 mm dia non-metalic heavy duty PVC conduit 1.6 mm thick along with 2 x 4 sq.mm FRLSH PVC insulated single core multistrand copper conductor as earth wire as equired.	Mtrs	75	491.00	36825.00
14	Recessed wiring to submain in 4 x 6 sq.mm FRLSH PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 32 mm dia non-metalic heavy duty PVC conduit 1.6 mm thick along with 2 x 2.5 sq.mm FRLSH PVC insulated single core multistrand copper conductor as earth wire as equired.	Mtrs	150	335.00	50250.00
15	Recessed wiring to submain in 2 x 6 sq.mm FRLSH PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 25 mm dia non-metalic heavy duty PVC conduit 1.6 mm thick along with 1 x 2.5 sq.mm FRLSH PVC insulated single core multistrand copper conductor as earth wire as equired.	Mtrs	20	238.00	4760.00
16	Recessed wiring to submain in 2 x 4 sq.mm FRLSH PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 20 mm dia non-metalic heavy duty PVC conduit 1.6 mm thick along with 1 x 1.5 sq.mm FRLSH PVC insulated single core multistrand copper conductor as earth wire as equired.	Mtrs	750	204.00	153000.00
17	Recessed wiring to submain in 2 x 2.5 sq.mm FRLSH PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 20 mm dia non-metalic heavy duty PVC conduit 1.6 mm thick along with 1 x 1.5 sq.mm FRLSH PVC insulated single core multistrand copper conductor as earth wire as equired.	Mtrs	1850	186.00	344100.00
18	Recessed wiring to submain in 2 x 1.5 sq.mm FRLSH PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 20 mm dia non-metalic heavy duty PVC conduit 1.6 mm thick along with 1 x 1.5 sq.mm FRLSH PVC insulated single core multistrand copper conductor as earth wire as equired.	Mtrs	150	172.00	25800.00

	SUB TOTAL				614735.00
19	DB				

Sl. No.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT Rs.
	Supply and fixing of following way three pole and neutral, sheet steel, MCB distribution, 415 V on surface / recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, hinged front acrylic cover for the MCB knobs detachable gland plate, interconnections, phosphatized and powder painted including earthing etc. as required with necessary MCB, RCCB / ISOLATORS as required. Note for MCB- There should be colour indication for tripping On, Off & Trip/There should be mid trip position for toggles for electrical fault conditions.				
a)	Supply, fixing, erecting, connecting and commissioning of indoor type dust and vermin proof, sheet steel clad ready made, double door horizontal type powder coated wall mounted 4 way TPN Distribution Boards For PDB suitable for 440 V, three phase, 4 wire 50 Hz AC Supply complete with bottom detachable plate for interconnections etc as below. Incommer 1 No-63A FP MCB (10KA) Outgoings-10/20A SP MCB 10KA-12Nos.	Nos.	3	14143.00	42429.00
b)	Supply, fixing, erecting, connecting and commissioning of indoor type dust and vermin proof, sheet steel clad ready made, double door horizontal type powder coated wall mounted 4 way TPN Distribution Boards For LDB suitable for 440 V, three phase, 4 wire 50 Hz AC Supply complete with bottom detachable plate for interconnections etc as below. Incommer 1 No-40A FP MCB (10KA) Outgoings-10A SP MCB 10KA-12Nos.	Nos.	3	14143.00	42429.00
c)	Supply, fixing, erecting, connecting and commissioning of indoor type dust and vermin proof, sheet steel clad ready made, double door horizontal type powder coated wall mounted 4 way TPN Distribution Boards For UPS DB suitable for 440 V, three phase, 4 wire 50 Hz AC Supply complete with bottom detachable plate for interconnections etc as below. Incommer 1 No-40A FP MCB (10KA) Outgoings-10A SP MCB 10KA-12Nos.	Nos.	3	14143.00	42429.00
	SUB TOTAL				127287.00
	CABLE				
20	Supply & Laying of one number of PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of 3.5core 150 sq.mm direct in ground including excavation, sand cushioning protective covering and refilling the trench etc. as required.	Rmt	200	1940.00	388000.00
21	Supply & Laying of one number of PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of 3.5core 95 sq.mm direct in ground including excavation, sand cushioning protective covering and refilling the trench etc. as required.	Rmt	50	1370.00	68500.00
22	Supply & Laying of one number of PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of 4 core 16 sq.mm Aluminium on surface as required.	Rmt	20	538.00	10760.00
	SUB TOTAL				467260.00
	END TERMINATION				
	Supplying and making end termination with brass compression gland and aluminum lugs for following size of PVC insulated and PVC sheathed / XLPE aluminum cable of 1.1 KV as required.				
23	3.5C x 150 sq.mm	set	2	1050.00	2100.00
24	3.5C x 95 sq.mm	set	2	950.00	1900.00
25	4C x 16 sq.mm	set	2	550.00	1100.00
	SUB TOTAL				5100.00
	PANEL				

Sl. No.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT Rs.
	Supply, installation, testing & commissioning of floor mounting front operated front access extensible type cubicle panel totally enclosed, dust and vermin proof with IP-42 /55 protection with hinged and lockable doors. CRCA sheets including interconnections, tinned copper crimping lugs, bonding to earth and painting suitable for use at 415 V, 3phase 4 wire 50 Hz system, and to withstand a fault level of 35 KA symmetrical for 1 sec at 415 V complete as per specifications, as required and as below : All switchboards shall have provision for entry of cables from the bottom as required. All live accessible parts shall be shrouded and all equipment shall be finger touch proof. The bus bars shall be insulated with heat shrinkable sleeves. SMC/DMC shrouds and busbar supports shall be used with Indication lamp, C.T , Digital Voltmeter, Digital Ammeter and control fuse etc. complete.				
26	MAIN PANEL with 150A 4P MCCB 36KA -1 No as incomer, 63A 4P MCB 10KA 4Nos, 100A 4P Change over Switch 1Nos, 40A 4P MCB 10KA-9Nos, 32A DP MCB 10KA-3Nos with E.C Busbars with 4nos 65KA VSD along with 4nos 32A SP MCB.	set	1	162292.00	162292.00
	SUB TOTAL				162292.00
	EARTHING				
27	Earthing with copper earth plate 600 mm x 600mm x 3.15 mm thick ISI marked including accessories and providing masonry with cover plate having locking arrangement and watering pipe etc with charcoal and salt as required.	Set	4	13757.00	55028.00
28	Supplying and laying 25 mm x 6 mm CU earth strip ISI marked at 0.5 meter below ground level as strip earth electrode including soldering etc. as required.	Rmt	15	729.00	10935.00
29	Supplying and laying 25 mm x 6 mm CU earth strip ISI marked on surface or in recess for connection etc as required.	Rmt	50	783.00	39150.00
30	Providing and fixing 8 SWG CU wire on surface or in recess for loop earthing as required.	Rmt	50	89.00	4450.00
	SUB TOTAL				109563.00
	FIXTURE				
	Supply, Installation, Testing and Commissioning of pre-wired fluorescent fitting / compact fluorescent fitting /LED fitting of all sizes complete with all accessories and lamp etc. directly on ceiling /wall or recessed in false ceiling , including connection with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor and earthing as required.				
31	Ceiling mounted indoor type batten type LED Luminaire with LED Lamp	Nos	130	470.00	61100.00
32	Ceiling/ Wall mounted type BULK HEAD Luminaire	Nos	10	1074.00	10740.00
33	Supply, Installation, testing and commissioning of 10W Mirror Light	Nos	15	309.00	4635.00
34	Supply, Installation, Testing and Commissioning of ceiling fan 1200mm sweep, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor etc. as required. BLDC 5 Star	Nos	65	3949.00	256685.00
35	Supply, Installation, testing and commissioning of exhaust fan of 250 mm PLASTIC Exhaust Fan (Ventilation Fan) complete, connection, etc as required. 250MM CRISP AIR EXH FAN.	Nos	17	1788.00	30396.00
36	Supply & fixing of 18W LED Down Light (S/R) with all accessories.	Nos	50	1060.00	53000.00
37	Supply & fixing of LED 36w 2'x2' Surface/Recessed Mounted Light as required .	Nos	15	1923.00	28845.00
38	Supply & fixing of 6W LED Down Light (S/R) with all accessories.	Nos	10	539.00	5390.00
39	Supply, Installation, testing and commissioning of wall fan of 400 mm sweep as required. Model-400mm STRIKER HI SPEED.	Nos	5	3089.00	15445.00
	SUB TOTAL				466236.00
	PERFORATED CABLE TRAY				

Sl. No.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT Rs.
	Supply and installation of Pregalvanised Perforated type cable trays without cover. The rate shall include bends, Tees, all supporting brackets, anchor fasteners, screws, bolts, nuts etc., including painting of cable trays. Thickness of sheet steel shall be 2 mm. Support sizes similar to ladder type trays.				
40	Size of Cable Tray :300 mm x 50 mm	Rmtr	10	777.00	7,770.00
41	Size of Cable Tray :150 mm x 50 mm	Rmtr	40	604.00	24,160.00
	SUB TOTAL				31930.00
	TV /TEL & DATA				
42	Supplying and fixing of clip in type modular Telephone socket ISI marked mounted on G.I modular box with face plate & cover of suitable size ,including all accesories and connection as per direction of Engineer in Charge.	Nos	10	382.00	3820.00
43	Supplying and fixing of clip in type modular T.V. antenna socket ISI marked on mounted on G.I modular box with face plate & cover of suitable size , including all accesories and connection as per direction of Engineer in Charge.	Nos	10	392.00	3920.00
44	Supplying and drawing 4 pair, 0.5 sq.mm FR PVC insulated coper conductor, unarmoured telephone cable in existing surface / recessed PVC conduit as required.	Rmt	250	45.00	11250.00
45	Recessed wiring to television point with cable RG-6 grade, 0.7 mm solid copper conductor PE insulated shielded with fine tined copper braid and protected with FR PVC sheath in in existing surface / recessed PVC conduit as required as per direction of Engineer in Charge.	Rmt	150	40.00	6000.00
46	Supplying and fixing of following sizes PVC conduit along with accessories in recessed wiring including cutting the wall and making good the same in case of recessed conduit as required.				
	20mm	Rmt	250	103.00	25750.00
47	Supplying and fixing of 16 / 18 SWG metal box of 200 mm x 150 mm x 60 mm deep on surface / recess with suitable size of phenolic laminated sheet cover in front including cutting the wall and making good the same in case of recessed conduit as required. (Tel junction Box)	Nos	1	180.00	180.00
48	Supplying & Commissioning of Telephone Hand Set.	Nos	10	734.00	7340.00
49	Supplying & installation of 100 pair KRONE make moudles with locking & key arrangements fabricated with MS sheet & powder coated to be fixed on concealed manner incl. good the damages.	set	1	2500.00	2500.00
50	SITC of 4 pair Cat6 23 awg U/UTP LSZH Cable in the existing surface/ recessed steel/ PVC conduit as required: The 4 pair Unshielded Twisted Pair cable shall be UL Listed,exceeds the requirements of ANSI/TIA-568-C.2 and ISO/IEC 11801 Class E , 4 twisted pairs separated by internal PE Cross Separator. Full separator. Half shall not be accepted. Rip Cord is must,Insertion Loss of 32.8 db/100m at 250 MHz ,Cable should support operating temperature from -20° to +70°C Cable support Conductor Resistance $\leq 9.38 \Omega/100m$ Max., Cable support Delay Skew: < 45 ns/100m, Operating Voltage: 72V , Impedance: $100 \pm 15 \Omega$ @100 MHz. and Propagation Delay @250 MHz : 536 ns/100m, ETL Verified 4 connector channel performance up to 700 MHz , RoHS Compliant.	Mtr	750	83.00	62250.00
51	Supply & fixing of RJ-45Jack of Category 6 with Dual-port British-style Face plate 86x86 mm with Curveture and wall mount box.	Nos	20	947.00	18940.00
	SUB TOTAL				141950.00
	TOTAL INTERNAL ELECTRICAL WORK=				2600427.00

ELECTRICAL ANALYSIS						
OSR No.	Sl. No.	Description of Items	Unit	Qty.	Rate	Amount
		Wiring to Light Point as per Direction of Engineer -In-Charge. (Based on GED Items 2010).				
		GROUP C				
	A1	Materials				
1101		1.5 sq. mm FR PVC insulated core multistrand copper conductor	Mtr	10.00	8.64	86.40
1101		1.5 sq. mm FR PVC insulated single core multistrand copper conductor as earth wire	Mtr	5.00	8.64	43.20
1224		20 mm dia PVC conduit 1.6 mm thick	Mtr	5.00	9.54	47.70
1401		Ceiling Rose 5 Amp, 250 V ISI marked	No	1.00	12.40	12.40
1218		a. 20 mm Iron Staple	No	10.00	0.78	7.80
1222A		b. Nail	No	20.00	0.78	15.60
1461		Washer / Screw	No	6.00	0.15	0.90
1302		Modular G.I. box for 4 module 18 SWG	No	0.25	22.87	5.72
1423		Modular base & cover for 4 module	No	0.25	124.03	31.01
1449		Al alloy cadmium plated iron screw 20 mm	No	6.00	0.39	2.34
1239		20 mm PVC Junction Box One Way	No	1.00	6.01	6.01
1402		S.P. 5 / 6 amps, one way modular switch, ISI marked	No	1.00	68.99	68.99
1463		Sand and Cement (4:1 ratio)	LS/Mtr	4.50	4.20	18.90
						346.97
	A2	Cartage 1% of A1				3.47
		Wastage 1% of A1				3.47
		Total (A2)				6.94
	A3	Labour charges				
1001		Wireman, Grade-I	Day	0.33	622.00	205.26
1002		Mason, Grade-II	Day	0.50	572.00	286.00
1004		Helper	Day	0.50	522.00	261.00
		Total(A3)				752.26
		(A1+A2+A3)				1106.16
	A4	Overhead CHARGES @ 15% (A1+A2+A3)				165.92
		Total(A1+A2+A3+A4) 563.46				1272.09
		Add Labour cess @1%				12.72
		Total=				1284.81
					Say=	1269.00
	2	Light Points (Secondary / Subsequent Points): (Average 3 Mtrs. From Primary Point)				
	A1	Materials				
1101		1.5 sq. mm FR PVC insulated core multistrand copper conductor	Mtr	6.00	8.64	51.84
1101		1.5 sq. mm FR PVC insulated single core multistrand copper conductor as earth wire	Mtr	3.00	8.64	25.92
1224		20 mm dia PVC conduit 1.6 mm thick	MTR	3.00	8.54	25.62
1401		Ceiling Rose 5 Amp, 250 V ISI marked	No	1.00	12.40	12.40
1218		a. 20 mm Iron Staple	No	5.00	0.78	3.90
1222A		b. Nail	No	10.00	0.78	7.80
1461		Washer / Screw	No	3.00	0.15	0.45
1449		Al alloy cadmium plated iron screw 20 mm	No	6.00	0.39	2.34
1239		20 mm PVC Junction Box One Way	No	1.00	6.01	6.01
1463		Sand and Cement (4:1 ratio)	LS/Mtr	4.50	4.20	18.90
		Total (A1)				155.18
	A2	Cartage 1% of A1				1.55
		Wastage 1% of A1				1.55
		Total (A2)				3.10
	A3	Labour charges				
	1	Wireman, Grade-I	Day	0.15	622.00	93.30
	2	Mason, Grade-II	Day	0.15	572.00	85.80
	3	Helper	Day	0.15	522.00	78.30
		Total(A3)				257.40
		(A1+A2+A3)				415.68

	A4	Overhead CHARGES @ 15% (A1+A2+A3)				62.35
		Total(A1+A2+A3+A4)				478.04
		Add Labour cess @1%				4.78
		Total=				482.82
					say=	478.00
	3	Ceiling Fan Points : [Based on GED Items]				
	A1	Materials				
1101		1.5 sq. mm FR PVC insulated core multistrand copper conductor	Mtr	10.00	8.64	86.40
1101		1.5 sq. mm FR PVC insulated single core multistrand copper conductor as earth wire	Mtr	5.00	8.64	43.20
1224		20 mm dia PVC conduit 1.6 mm thick	Mtr	5.00	9.54	47.70
1401		Ceiling Rose 5 Amp, 250 V ISI marked	No	1.00	12.40	12.40
1218		a. 20 mm Iron Staple	No	10.00	0.78	7.80
1222A		b. Nail	No	20.00	0.78	15.60
1461		Washer / Screw	No	6.00	0.15	0.90
1423		Modular base & cover for 4 module	No	1.00	124.03	124.03
1449		Al alloy cadmium plated iron screw 20 mm	No	6.00	0.39	2.34
1239		20 mm PVC Junction Box One Way	No	1.00	6.01	6.01
1402		S.P. 5 / 6 amps, one way modular switch, ISI marked	No	1.00	68.99	68.99
1302		Modular G.I. box for 4 module 18 SWG	No	1.00	29.50	29.50
1408		Stepped type modular fan regulator	No	1.00	217.05	217.05
1463		Sand and Cement (4:1 ratio)	LS/Mtr	4.50	4.20	18.90
		Total (A1)				680.82
	A2	Cartage 1% of A1				6.81
		Wastage 1% of A1				6.81
		Total (A2)				13.62
	A3	Labour charges				
		Wireman, Grade-I	Day	0.33	622.00	205.26
		Mason, Grade-II	Day	0.50	572.00	286.00
		Helper	Day	0.50	522.00	261.00
		Total(A3)				752.26
		(A1+A2+A3)				1446.70
	A4	Overhead CHARGES @ 15% (A1+A2+A3)				217.00
		Total(A1+A2+A3+A4)				1663.70
		Add Labour cess @1%				16.64
		Total=				1680.34
					say=	1665.00
	4	Twin control point wiring in PVC Conduit with Piano Type Switch				
		1.3 Wiring for twin control light point with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked in recess PVC conduit with 2 way piano type switch with ISI marked, phenolic laminated sheet suitable size ISI marked G.I. box(18 SWG) and earthing point with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor for loop earthing etc as required.				
	A1	Materials				
1101		1.5 sq. mm FR PVC insulated single core multistrand copper conductor	Mtr	10.00	8.64	86.40
1101		1.5 sq. mm FR PVC insulated single core multistrand copper conductor as earth wire	Mtr	5.00	8.64	43.20
1224		20 mm dia PVC conduit 1.6 mm thick	Mtr	5.00	9.54	47.70
1401		Ceiling rose, 3 plate, 5 amps ISI marked	No	1.00	12.04	12.04
1218		a. 20 mm Iron Staple	No	15.00	0.78	11.70
1222A		b. Nail	No	30.00	0.78	23.40
1461		Washer / Screw	No	6.00	0.15	0.90
1423		Modular base & cover for 4 module	No	0.50	124.03	62.02
1302		Modular G.I. box for 4 module 18 SWG	No	0.50	22.87	11.44
1239		20 mm PVC Junction Box One Way	No	1.00	6.01	6.01

1403		S.P. 5 / 6 amps, two way modular switch, ISI marked	No	2.00	80.62	161.24
1449		Al alloy / cadmium plated iron screw	No	6.00	39.06	234.36
1463		Sand and Cement (4:1 ratio)	LS/Mtr	4.50	4.20	18.90
		Total (A1)				719.30
	A2	Cartage 1% of A1				7.19
		Wastage 1% of A1				7.19
	A3	Total (A2)				14.39
		Labour charges				
		Wireman, Grade-I	Day	0.33	622.00	205.26
		Mason, Grade-II	Day	0.50	572.00	286.00
		Helper	Day	0.50	522.00	261.00
		Total(A3)				752.26
		(A1+A2+A3)				1485.95
	A4	Overhead CHARGES @ 15% (A1+A2+A3)				222.89
		Total(A1+A2+A3+A4)				1708.84
		Add Labour cess @1%				17.09
		Total=				1725.93
					say=	1710.00
	5	5 Amp. Plug Socket on Same Board: [Based on GED Items]				
		Materials				
1101		1.5 sq. mm FR PVC insulated single core multistrand copper conductor	Mtr	0.75	8.64	6.48
1303		Modular G.I. box for 6 module 18 SWG	No	0.50	37.21	18.61
1424		Modular base & cover for 6 module	No	0.50	159.69	79.85
1402		S.P. 5 / 6 amps, one way modular switch, ISI marked	No	1.00	68.99	68.99
1405		3 pin 5 / 6 amps, modular socket outlet, ISI marked	No	1.00	73.64	73.64
1461		Washer / Screw	No	6.00	0.15	0.90
1463		Sand and Cement (4:1 ratio)	LS/Mtr	4.50	4.20	18.90
		Total (A1)				267.36
	A2	Cartage 1% of A1				2.67
		Wastage 1% of A1				2.67
	A3	Total (A2)				5.35
		Labour charges				
		Wireman, Grade-I	Day	0.20	622.00	124.40
		Mason, Grade-II	Day	0.00	572.00	0.00
		Helper	Day	0.20	522.00	104.40
		Total(A3)				228.80
		(A1+A2+A3)				501.51
	A4	Overhead CHARGES @ 15% (A1+A2+A3)				75.23
		Total(A1+A2+A3+A4)				576.73
		Add Labour cess @1%				5.77
		Total=				582.50
					say=	578.00
	6	5 Amp. Plug Socket on Separate Board (Average Distance around 2 Mtrs. from Junction Box) [Based on GED Items]				
1101		1.5 sq. mm FR PVC insulated single core multistrand copper conductor	Mtr	10.00	8.64	86.40
1101		1.5 sq. mm FR PVC insulated single core multistrand copper conductor as earth wire	Mtr	5.00	8.64	43.20
1224		20 mm dia PVC conduit 1.6 mm thick	Mtr	5.00	9.54	47.70
1218		a. 20 mm Iron Staple	No	15.00	0.78	11.70
1222A		b. Nail	No	30.00	0.78	23.40
1303		Modular G.I. box for 6 module 18 SWG	No	0.50	37.21	18.61
1424		Modular base & cover for 6 module	No	0.50	159.69	79.85
1402		S.P. 5 / 6 amps, one way modular switch, ISI marked	No	1.00	68.99	68.99
1405		3 pin 5 / 6 amps, modular socket outlet, ISI marked	No	1.00	73.64	73.64
1461		Washer / Screw	No	6.00	0.15	0.90
1463		Sand and Cement (4:1 ratio)	LS/Mtr	4.50	4.20	18.90
		Total (A1)				473.28
	A2	Cartage 1% of A1				4.73
		Wastage 1% of A1				4.73

	A3	Total (A2)				9.47
		Labour charges				
		Wireman, Grade-I	Day	0.33	622.00	205.26
		Mason, Grade-II	Day	0.50	572.00	286.00
		Helper	Day	0.50	522.00	261.00
		Total(A3)				752.26
		(A1+A2+A3)				1235.01
	A4	Overhead CHARGES @ 15% (A1+A2+A3)				185.25
		Total(A1+A2+A3+A4)				1420.26
		Add Labour cess @1%				14.20
		Total=				1434.46
					say=	1419.00
	7	2 Nos. 5 Amp. Plug with Switch for Computer Plug Outlet / TV Power Outlet: [Based on GED Items]				
1101		1.5 sq. mm FR PVC insulated single core multistrand copper conductor	Mtr	0.75	8.64	6.48
1222A		b. Nail	No	5.00	0.78	3.90
1303		Modular G.I. box for 6 module 18 SWG	No	1.00	37.21	37.21
1424		Modular base & cover for 6 module	No	1.00	159.69	159.69
1402		S.P. 5 / 6 amps, one way modular switch, ISI marked	No	2.00	68.99	137.98
1405		3 pin 5 / 6 amps, modular socket outlet, ISI marked	No	2.00	73.64	147.28
1461		Washer / Screw	No	5.00	0.15	0.75
1463		Sand and Cement (4:1 ratio)	LS/Mtr	4.50	4.20	18.90
		Total (A1)				512.19
	A2	Cartage 1% of A1				5.12
		Wastage 1% of A1				5.12
	A3	Total (A2)				10.24
		Labour charges				
		Wireman, Grade-I	Day	0.20	622.00	124.40
		Mason, Grade-II	Day	0.25	572.00	143.00
		Helper	Day	0.25	522.00	130.50
		Total(A3)				397.90
		(A1+A2+A3)				920.33
	A4	Overhead CHARGES @ 15% (A1+A2+A3)				138.05
		Total(A1+A2+A3+A4)				1058.38
		Add Labour cess @1%				10.58
		Total=				1068.97
					say=	1061.00
	8	Supply & fixing of 16 Amp. Clip-in-type Modular Plug Board with 16 Amp. Switch [Based on GED Items]				
1102		2.5 sq. mm FR PVC insulated single core multistrand copper conductor	MTR	0.80	14.47	11.58
1222A		b. Nail	No	5.00	0.78	3.90
1303		Modular G.I. box for 6 module 18 SWG	No	0.50	37.21	18.61
1424		Modular base & cover for 6 module	No	0.50	159.69	79.85
1404		S.P.15 / 16 amps, one way modular switch, ISI marked	No	1.00	108.53	108.53
1406		6 pin 15 / 16 amps, modular socket outlet, ISI marked	No	1.00	149.61	149.61
1461		Washer / Screw	No	5.00	0.15	0.75
1463		Sand and Cement (4:1 ratio)	LS/Mtr	4.50	4.20	18.90
		Total (A1)				391.72
	A2	Cartage 1% of A1				3.92
		Wastage 1% of A1				3.92
	A3	Total (A2)				7.83
		Labour charges				
		Wireman, Grade-I	Day	0.20	622.00	124.40
		Mason, Grade-II	Day	0.25	572.00	143.00
		Helper	Day	0.25	522.00	130.50
		Total(A3)				397.90
		(A1+A2+A3)				797.45
	A4	Overhead CHARGES @ 15% (A1+A2+A3)				119.62
		Total(A1+A2+A3+A4)				917.07
		Add Labour cess @1%				9.17
		Total=				926.24

					say=	918.00
	9	Supply & fixing of A/C. Point: [Based on GED Items]				
1707		6 amp to 32 amp rating SPN MCB, "C" series, 10 KA breaking capacity	No	1.00	251.94	251.94
1730		20 amp SPN, industrial type socket outlet, with plug top and metal chained cover in sheet steel enclosure	No	1.00	271.32	271.32
1463		Sand and Cement (4:1 ratio)	LS/Mtr	4.50	4.20	18.90
		Total (A1)				542.16
	A2	Cartage 1% of A1				5.42
		Wastage 1% of A1				5.42
	A3	Total (A2)				10.84
		Labour charges				
		Wireman, Grade-I	Day	0.20	622.00	124.40
		Mason, Grade-II	Day	0.25	572.00	143.00
		Helper	Day	0.25	522.00	130.50
		Total(A3)				397.90
		(A1+A2+A3)				950.90
	A4	Overhead CHARGES @ 15% (A1+A2+A3)				142.64
		Total(A1+A2+A3+A4)				1093.54
		Add Labour cess @1%				10.94
		Total=				1104.47
					say=	1096.00
	10	Exhaust Fan Points (Same as Light Point) [Based on GED Items]				
	A1	Materials				
1101		1.5 sq. mm FR PVC insulated core multistrand copper conductor	Mtr	10.00	8.64	86.40
1101		1.5 sq. mm FR PVC insulated single core multistrand copper conductor as earth wire	Mtr	5.00	8.64	43.20
1224		20 mm dia PVC conduit 1.6 mm thick	Mtr	5.00	9.54	47.70
1401		Ceiling Rose 5 Amp, 250 V ISI marked	No	1.00	12.40	12.40
1218		a. 20 mm Iron Staple	No	10.00	0.78	7.80
1222A		b. Nail	No	20.00	0.78	15.60
1461		Washer / Screw	No	6.00	0.15	0.90
1302		Modular G.I. box for 4 module 18 SWG	No	0.25	22.87	5.72
1423		Modular base & cover for 4 module	No	0.25	124.03	31.01
1449		Al alloy cadmium plated iron screw 20 mm	No	6.00	0.39	2.34
1239		20 mm PVC Junction Box One Way	No	1.00	6.01	6.01
1402		S.P. 5 / 6 amps, one way modular switch, ISI marked	No	1.00	68.99	68.99
1463		Sand and Cement (4:1 ratio)	LS/Mtr	4.50	4.20	18.90
						346.97
	A2	Cartage 1% of A1				3.47
		Wastage 1% of A1				3.47
		Total (A2)				6.94
	A3	Labour charges				
		Wireman, Grade-I	Day	0.33	622.00	205.26
		Mason, Grade-II	Day	0.50	572.00	286.00
		Helper	Day	0.50	522.00	261.00
		Total(A3)				752.26
		(A1+A2+A3)				1106.16
	A4	Overhead CHARGES @ 15% (A1+A2+A3)				165.92
		Total(A1+A2+A3+A4)				1272.09
		563.46				
		Add Labour cess @1%				12.72
		Total=				1284.81
					say=	1269.00
	11	Call Bell Points : [Based on GED Items]				
	A1	Materials				
1101		1.5 sq. mm FR PVC insulated core multistrand copper conductor	Mtr	10.00	8.64	86.40
1101		1.5 sq. mm FR PVC insulated single core multistrand copper conductor as earth wire	Mtr	5.00	8.64	43.20
1224		20 mm dia PVC conduit 1.6 mm thick	Mtr	5.00	9.54	47.70
1218		a. 20 mm Iron Staple	No	10.00	0.78	7.80

1222A		b. Nail	No	20.00	0.78	15.60
1461		Washer / Screw	No	6.00	0.15	0.90
1422		Modular base & cover for 2 module	No	1.00	89.15	89.15
1301		Modular G.I. box for 2 module 18 SWG	No	1.00	17.44	17.44
1449		Al alloy cadmium plated iron screw 20 mm	No	6.00	0.39	2.34
1407		Modular bell push ISI marked	No	1.00	91.47	91.47
1444		Call bell / buzzer DC / AC single ISI marked	No	1.00	63.57	63.57
1463		Sand and Cement (4:1 ratio)	LS/Mtr	4.50	4.20	18.90
						484.47
	A2	Cartage 1% of A1				4.84
		Wastage 1% of A1				4.84
		Total (A2)				9.69
	A3	Labour charges				
		Wireman, Grade-I	Day	0.33	622.00	205.26
		Mason, Grade-II	Day	0.50	572.00	286.00
		Helper	Day	0.50	522.00	261.00
		Total(A3)				752.26
		(A1+A2+A3)				1246.42
	A4	Overhead CHARGES @ 15% (A1+A2+A3)				186.96
		Total(A1+A2+A3+A4)				1433.38
		563.46				
		Add Labour cess @1%				14.33
		Total=				1447.72
					say=	1432.00
	12	3 Nos. 5 Amp. Plug with Switch for Computer Plug Outlet: [Based on GED Items]				
1101		1.5 sq. mm FR PVC insulated single core multistrand copper conductor	Mtr	0.75	8.64	6.48
1222A		b. Nail	No	5.00	0.78	3.90
1425		Modular base & cover for 8 module	No	1.00	190.70	190.70
1304		Modular G.I. box for 8 module 18 SWG	No	1.00	41.86	41.86
1402		S.P. 5 / 6 amps, one way modular switch, ISI marked	No	2.00	68.99	137.98
1405		3 pin 5 / 6 amps, modular socket outlet, ISI marked	No	3.00	73.76	221.28
1461		Washer / Screw	No	5.00	0.15	0.75
1463		Sand and Cement (4:1 ratio)	LS/Mtr	4.50	4.20	18.90
		Total (A1)				621.85
	A2	Cartage 1% of A1				6.22
		Wastage 1% of A1				6.22
	A3	Total (A2)				12.44
		Labour charges				
		Wireman, Grade-I	Day	0.20	622.00	124.40
		Mason, Grade-II	Day	0.25	572.00	143.00
		Helper	Day	0.25	522.00	130.50
		Total(A3)				397.90
		(A1+A2+A3)				1032.19
	A4	Overhead CHARGES @ 15% (A1+A2+A3)				154.83
		Total(A1+A2+A3+A4)				1187.02
		Add Labour cess @1%				11.87
		Total=				1198.89
					say=	1191.00
	13	Recessed wiring to submain in 4 x 10 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 32 mm dia non-metallic heavy duty PVC conduit 1.6 mm thick along with 2 x 4 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire as required.(Make of wire Finolex/polycab/Anchor/Havels)				
		Cost for 50mtrs				
	A1	Materials				
1105		10 sq. mm. single core pvc insulated multistrand copper conductor cable as earth wire	Mtr	202.00	60.02	12124.04

1103		4.0 Sq mm ISI marked FR PVC insulated (unseathed) single core copper conductor	Mtr	101.00	21.73	2194.73
1226		32 mm dia ISI marked PVC conduit (1.6 mm thick)	Mtr	50.00	18.62	931.00
1221		a. 40 mm iron staples	No	100.00	1.94	194.00
1222A		b. Nail/Screw	No	200.00	0.78	156.00
1463		Sand and Cement (4:1)	LS/Mtr	50.00	4.20	210.00
		Total (A1)				15809.77
	A2	Cartage 1% of A1				158.10
		Wastage 1% of A1				158.10
		Total (A2)				316.20
	A3	Labour charges				
		Wireman, Grade-I	Day	2.50	622.00	1555.00
		Mason, Grade-II	Day	1.67	572.00	955.24
		Helper	Day	5.00	522.00	2610.00
		Total (A3)				5120.24
		Total (A1+A2+A3)				21246.21
	A4	Overhead charges @ 15% on materials				3186.93
		Grand Total (A1+A2+A3+A4)				24433.14
		Rate per meter in Rs.			SAY=	24328.00
				Cost For 1 Mtr=		486.56
		Add Labour cess @1%				4.87
		Total=				491.43
					say=	491.00
	14	Recessed wiring to submain in 4 x 6 sq.mm FRLSH PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 32 mm dia non-metalic heavy duty PVC conduit 1.6 mm thick along with 2 x 2.5 sq.mm FRLSH PVC insulated single core multistrand copper conductor as earth wire as equired. (Make of wire KEI /Polycab/ Anchor / Havels/Eq)				
		Cost for 50mtrs				
	A1	Materials				
1104		6 sq.mm single core pvc insulated multistrand copper conductor cable	Mtr	202.00	31.06	6274.12
1102		2.5sq. mm. single core pvc insulated multistrand copper conductor cable as earth wire	Mtr	101.00	14.47	1461.47
1226		32 mm dia ISI marked PVC conduit (1.6 mm thick)	Mtr	50.00	18.62	931.00
1221		a. 40 mm iron staples	No	100.00	1.94	194.00
1222A		b. Nail/Screw	No	200.00	0.78	156.00
1463		Sand and Cement (4:1)	LS/Mtr	50.00	4.20	210.00
		Total (A1)				9226.59
	A2	Cartage 1% of A1				92.27
		Wastage 1% of A1				92.27
		Total (A2)				184.53
	A3	Labour charges				
		Wireman, Grade-I	Day	2.50	622.00	1555.00
		Mason, Grade-II	Day	1.67	572.00	955.24
		Helper	Day	5.00	522.00	2610.00
		Total (A3)				5120.24
		Total (A1+A2+A3)				14531.36
	A4	Overhead charges @ 15% on materials				2179.70
		Grand Total (A1+A2+A3+A4)				16711.07
		Rate per meter in Rs.			SAY=	16606.00
				Cost For 1 Mtr=		332.12
		Add Labour cess @1%				3.32
		Total=				335.44
					say=	335.00

	15	Recessed wiring to submain in 2 x 6 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 25 mm dia non-metallic heavy duty PVC conduit 1.6 mm thick along with 1 x 2.5 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire as required.(Make of wire Finolex/polycab/Anchor/Havels)				
		Cost for 50mtrs				
	A1	Materials				
1104		6 sq.mm single core pvc insulated multistrand copper conductor cable	Mtr	101.00	31.06	3137.06
1102		2.5sq. mm. single core pvc insulated multistrand copper conductor cable as earth wire	Mtr	50.50	14.47	730.74
1225		25 mm dia ISI marked PVC conduit (1.6 mm thick)	Mtr	50.00	13.39	669.50
1221		a. 40 mm iron staples	No	100.00	1.94	194.00
1222A		b. Nail/Screw	No	200.00	0.78	156.00
1463		Sand and Cement (4:1)	LS/Mtr	50.00	4.20	210.00
		Total (A1)				5097.30
	A2	Cartage 1% of A1				50.97
		Wastage 1% of A1				50.97
		Total (A2)				101.95
	A3	Labour charges				
		Wireman, Grade-I	Day	2.50	622.00	1555.00
		Mason, Grade-II	Day	1.67	572.00	955.24
		Helper	Day	5.00	522.00	2610.00
		Total (A3)				5120.24
		Total (A1+A2+A3)				10319.48
	A4	Overhead charges @ 15% on materials				1547.92
		Grand Total (A1+A2+A3+A4)				11867.40
		Rate per meter in Rs.			SAY=	11762.00
				Cost For 1 Mtr=		235.24
		Add Labour cess @1%				2.35
		Total=				237.59
					say=	238.00
	16	Recessed wiring to submain in 2 x 4 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 20 mm dia non-metallic heavy duty PVC conduit 1.6 mm thick along with 1 x 1.5 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire as required.(Make of wire Finolex/polycab/Anchor/Havels)				
		Cost for 50mtrs				
	A1	Materials				
1103		4 sq. mm single core pvc insulated multistrand copper conductor cable	Mtr	101.00	21.73	2194.73
1101		1.5 sq. mm. single core pvc insulated multistrand copper conductor cable as earth wire	Mtr	50.50	8.64	436.32
1224		20 mm dia PVC conduit 1.6 mm thick	Mtr	50.00	9.54	477.00
1221		a. 40 mm iron staples	No	100.00	1.94	194.00
1222A		b. Nail/Screw	No	200.00	0.78	156.00
1463		Sand and Cement (4:1)	LS/Mtr	50.00	4.20	210.00
		Total (A1)				3668.05
	A2	Cartage 1% of A1				36.68
		Wastage 1% of A1				36.68
		Total (A2)				73.36
	A3	Labour charges				
		Wireman, Grade-I	Day	2.50	622.00	1555.00
		Mason, Grade-II	Day	1.67	572.00	955.24
		Helper	Day	5.00	522.00	2610.00
		Total (A3)				5120.24
		Total (A1+A2+A3)				8861.65
	A4	Overhead charges @ 15% on materials				1329.25

		Grand Total (A1+A2+A3+A4)				10190.90
		Rate per meter in Rs.			SAY=	10085.00
				Cost For 1 Mtr=		201.70
		Add Labour cess @1%				2.02
		Total=				203.72
						204.00
	17	Recessed wiring to submain in 2 x 2.5 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 20 mm dia non-metallic heavy duty PVC conduit 1.6 mm thick along with 1 x 1.5 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire as required.(Make of wire Finolex/polycab/Anchor/Havels)				
		Cost for 50mtrs				
	A1	Materials				
1102		2.5 sq. mm. single core pvc insulated multistrand copper conductor cable as earth wire	Mtr	101.00	14.47	1461.47
1101		1.5 sq. mm. single core pvc insulated multistrand copper conductor cable as earth wire	Mtr	50.50	8.64	436.32
1224		20 mm dia PVC conduit 1.6 mm thick	Mtr	50.00	9.54	477.00
1221		a. 40 mm iron staples	No	100.00	1.94	194.00
1222A		b. Nail/Screw	No	200.00	0.78	156.00
1463		Sand and Cement (4:1)	LS/Mtr	50.00	4.20	210.00
		Total (A1)				2934.79
	A2	Cartage 1% of A1				29.35
		Wastage 1% of A1				29.35
		Total (A2)				58.70
	A3	Labour charges				
		Wireman, Grade-I	Day	2.50	622.00	1555.00
		Mason, Grade-II	Day	1.67	572.00	955.24
		Helper	Day	5.00	522.00	2610.00
		Total (A3)				5120.24
		Total (A1+A2+A3)				8113.73
	A4	Overhead charges @ 15% on materials				1217.06
		Grand Total (A1+A2+A3+A4)				9330.78
		Rate per meter in Rs.			SAY=	9225.00
				Cost For 1 Mtr=		184.50
		Add Labour cess @1%				1.85
		Total=				186.35
						186.00
	18	Recessed wiring to submain in 2 x 1.5 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 20 mm dia non-metallic heavy duty PVC conduit 1.6 mm thick along with 1 x 1.5 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire as required.(Make of wire Finolex/polycab/Anchor/Havels)				
		Cost for 50mtrs				
	A1	Materials				
1101		1.5 sq. mm. single core pvc insulated multistrand copper conductor cable as earth wire	Mtr	101.00	8.64	872.64
1101		1.5 sq. mm. single core pvc insulated multistrand copper conductor cable as earth wire	Mtr	50.50	8.64	436.32
1224		20 mm dia PVC conduit 1.6 mm thick	Mtr	50.00	9.54	477.00
1221		a. 40 mm iron staples	No	100.00	1.94	194.00
1222A		b. Nail/Screw	No	200.00	0.78	156.00
1463		Sand and Cement (4:1)	LS/Mtr	50.00	4.20	210.00
		Total (A1)				2345.96
	A2	Cartage 1% of A1				23.46
		Wastage 1% of A1				23.46
		Total (A2)				46.92
	A3	Labour charges				
		Wireman, Grade-I	Day	2.50	622.00	1555.00

		Mason, Grade-II	Day	1.67	572.00	955.24
		Helper	Day	5.00	522.00	2610.00
		Total (A3)				5120.24
		Total (A1+A2+A3)				7513.12
	A4	Overhead charges @ 15% on materials				1126.97
		Grand Total (A1+A2+A3+A4)				8640.09
		Rate per meter in Rs.			SAY=	8535.00
				Cost For 1 Mtr=		170.70
		Add Labour cess @1%				1.71
		Total=				172.41
					SAY=	172.00
	19(a)	Supply, fixing, erecting, connecting and commissioning of indoor type dust and vermin proof, sheet steel clad ready made, double door horizontal type powder coated wall mounted 4 way TPN Distribution Boards For PDB suitable for 440 V, three phase, 4 wire 50 Hz AC Supply complete with bottom detachable plate for interconnections etc as below.Incommer 1 No-63A FP MCB (10KA) Outgoings-10/20A SP MCB 10KA-12Nos.(Make-L&T/ Hager/Schneider/Legrand/Eq)				
		20 Amp. SP MCB 10 KA.	Nos.	12	319.00	3828.00
		4Way TPN DB Double Door.	Nos.	1	4881.00	4881.00
		63 Amp. 4P MCB 10 KA.	Nos.	1	3311.00	3311.00
		Sand and Cement (4 : 1 Ratio).	LS/Mtr.			200.00
					Total =	12220.00
		Discount @ 20%				2444.00
		Total=				9776.00
		Cartage @ 1 % on Cost of Materials.				97.76
		Wastage @ 1 % on Cost of Materials.				97.76
		Hire Charges of T & P @ 1 % on Cost of Materials.				97.76
		Wieman , Grade - I.	Per Day	1.25	622.00	777.50
		Mason, Grade - II.	Per Day	1.25	572.00	715.00
		Helper.	Per Day	1.25	522.00	652.50
					Total =	12214.28
		Overhead Charges @ 15 %.	LS	1	1832.14	1832.14
					Total Rs. =	14046.42
		Add Labour cess @1%				140.46
		Total=				14186.89
					SAY=	14143.00
	19(b)	Supply, fixing, erecting, connecting and commissioning of indoor type dust and vermin proof, sheet steel clad ready made, double door horizontal type powder coated wall mounted 4 way TPN Distribution Boards For LDB suitable for 440 V, three phase, 4 wire 50 Hz AC Supply complete with bottom detachable plate for interconnections etc as below.Incommer 1 No-40A FP MCB (10KA) Outgoings-10A SP MCB 10KA-12Nos.(Make-L&T/ Hager/Schneider/Legrand/Eq)				
		10 Amp. SP MCB 10 KA.	Nos.	12	319.00	3828.00
		4Way TPN DB Double Door.	Nos.	1	4881.00	4881.00
		40 Amp. 4P MCB 10 KA.	Nos.	1	3311.00	3311.00
		Sand and Cement (4 : 1 Ratio).	LS/Mtr.			200.00
					Total =	12220.00
		Discount @ 20%				2444.00
		Total=				9776.00
		Cartage @ 1 % on Cost of Materials.				97.76
		Wastage @ 1 % on Cost of Materials.				97.76
		Hire Charges of T & P @ 1 % on Cost of Materials.				97.76
		Wieman , Grade - I.	Per Day	1.25	622.00	777.50
		Mason, Grade - II.	Per Day	1.25	572.00	715.00
		Helper.	Per Day	1.25	522.00	652.50

					Total =	12214.28
		Overhead Charges @ 15 %.	LS	1	1832.14	1832.14
					Total Rs. =	14046.42
		Add Labour cess @1%				140.46
		Total=				14186.89
					SAY=	14143.00
	19(c)	Supply, fixing, erecting, connecting and commissioning of indoor type dust and vermin proof, sheet steel clad ready made, double door horizontal type powder coated wall mounted 4 way TPN Distribution Boards For CDB suitable for 440 V, three phase, 4 wire 50 Hz AC Supply complete with bottom detachable plate for interconnections etc as below. Incommer 1 No-40A FP MCB (10KA) Outgoings-10A SP MCB 10KA-12Nos.(Make-L&T/ Hager/Schneider/Legrand/Eq)				
		10 Amp. SP MCB 10 KA.	Nos.	12	319.00	3828.00
		4Way TPN DB Double Door.	Nos.	1	4881.00	4881.00
		40 Amp. 4P MCB 10 KA.	Nos.	1	3311.00	3311.00
		Sand and Cement (4 : 1 Ratio).	LS/Mtr.			200.00
					Total =	12220.00
		Discount @ 20%				2444.00
		Total=				9776.00
		Cartage @ 1 % on Cost of Materials.				97.76
		Wastage @ 1 % on Cost of Materials.				97.76
		Hire Charges of T & P @ 1 % on Cost of Materials.				97.76
		Wieman , Grade - I.	Per Day	1.25	622.00	777.50
		Mason, Grade - II.	Per Day	1.25	572.00	715.00
		Helper.	Per Day	1.25	522.00	652.50
					Total =	12214.28
		Overhead Charges @ 15 %.	LS	1	1832.14	1832.14
					Total Rs. =	14046.42
		Add Labour cess @1%				140.46
		Total=				14186.89
					SAY=	14143.00
	20	150 mm² 3.5 Core Aluminum Armored PVC / XLPE Cable (For 50 Mtrs. Run)				
	a)	150 mm ² 3.5 Core Aluminum Armored Cable.	Mtrs.	50.00	1463.00	73150.00
2301	b)	Second Class Bricks (25 X 12 X 8) Cm.	Nos.	438.00	2.35	1029.30
2302	c)	Sand for filling and Road Binding.	Cum	4.38	153.76	673.47
1826	d)	Excavation of Earth.	Cum	13.13	52.00	682.76
					Total =	75535.53
		Cartage, Wastage & Hire Charges of T&P @ 3 % on Cost of Materials.				2266.07
					Total =	77801.59
		Wieman , Grade - I.	Per Day	1.00	622.00	622.00
		Helper.	Per Day	10.00	522.00	5220.00
					Total =	83643.59
		Overhead Charges @ 15 %.	LS	1	12546.54	12546.54
					Total Rs. =	96190.13
					Hence for 1 Mtr. Cost of Rs.	1923.80
		Add Labour cess @1%				19.24
		Total=				1943.04
					SAY=	1940.00
	21	95 mm² 3.5 Core Aluminum Armored PVC / XLPE Cable (For 50 Mtrs. Run)				
	a)	95 mm ² 3.5 Core Aluminum Armored Cable.	Mtrs.	50.00	986.00	49300.00
2301	b)	Second Class Bricks (25 X 12 X 8) Cm.	Nos.	438.00	2.35	1029.30
2302	c)	Sand for filling and Road Binding.	Cum	4.38	153.76	673.47
1826	d)	Excavation of Earth.	Cum	13.13	52.00	682.76
					Total =	51685.53
		Cartage, Wastage & Hire Charges of T&P @ 3 % on Cost of Materials.				1550.57
					Total =	53236.09
		Wieman , Grade - I.	Per Day	1.00	622.00	622.00
		Helper.	Per Day	10.00	522.00	5220.00

					Total =	59078.09
		Overhead Charges @ 15 %.	LS	1	8861.71	8861.71
					Total Rs. =	67939.81
					Hence for 1 Mtr. Cost of Rs.	1358.80
		Add Labour cess @1%				13.59
		Total=				1372.38
					SAY=	1370.00
	22	35 mm² 3.5 Core Aluminum Armored PVC / XLPE Cable (For 50 Mtrs. Run)				
	a)	35 mm ² 3.5 Core Aluminum Armored Cable.	Mtrs.	50.00	433.00	21650.00
2301	b)	Second Class Bricks (25 X 12 X 8) Cm.	Nos.	438.00	2.35	1029.30
2302	c)	Sand for filling and Road Binding.	Cum	4.38	153.76	673.47
1826	d)	Excavation of Earth.	Cum	13.13	52.00	682.76
					Total =	24035.53
		Cartage, Wastage & Hire Charges of T&P @ 3 % on Cost of Materials.				721.07
					Total =	24756.59
		Wieman , Grade - I.	Per Day	1.00	622.00	622.00
		Helper.	Per Day	10.00	522.00	5220.00
					Total =	30598.59
		Overhead Charges @ 15 %.	LS	1	4589.79	4589.79
					Total Rs. =	35188.38
					Hence for 1 Mtr. Cost of Rs.	703.77
		Add Labour cess @1%				7.04
		Total=				710.81
					SAY=	708.00
	23	16 mm² 4 Core Aluminum Armored PVC / XLPE Cable (For 50 Mtrs. Run)				
	a)	16 mm ² 4 Core Aluminum Armored Cable.	Mtrs.	50.00	291.00	14550.00
2301	b)	Second Class Bricks (25 X 12 X 8) Cm.	Nos.	438.00	2.35	1029.30
2302	c)	Sand for filling and Road Binding.	Cum	4.38	153.76	673.47
1826	d)	Excavation of Earth.	Cum	13.13	52.00	682.76
					Total =	16935.53
		Cartage, Wastage & Hire Charges of T&P @ 3 % on Cost of Materials.				508.07
					Total =	17443.59
		Wieman , Grade - I.	Per Day	1.00	622.00	622.00
		Helper.	Per Day	10.00	522.00	5220.00
					Total =	23285.59
		Overhead Charges @ 15 %.	LS	1	3492.84	3492.84
					Total Rs. =	26778.43
					Hence for 1 Mtr. Cost of Rs.	535.57
		Add Labour cess @1%				5.36
		Total=				540.92
					SAY=	538.00
	28	MAIN PANEL with 150A 4P MCCB 36KA -1 No as incomer, 63A 4P MCB 10KA 4Nos,100A 4P Change over Switch 1Nos, 40A 4P MCB 10KA.-9Nos, 32A DP MCB 10KA-3Nos with E.C Busbars with 4nos 65KA VSD along with 4nos 32A SP MCB.				
	i)	160 Amp. 4P MCCB 40KA	1	Nos.	20128.00	20,128.00
	ii)	63 Amp. 4P MCB 10 KA	4	Nos.	3311.00	13,244.00
	iii)	100 Amp. 4P Change Over Switch	1	Nos.	8431.00	8,431.00
	iv)	40A 4P MCB 10KA	9	Nos.	3311.00	29,799.00
	v)	32A DP MCB 10KA	3	Nos.	1689.00	5,067.00
					Total =	76,669.00
		Discount @ 25 % (-)				19,167.25
					Total =	57,501.75
		200 Amp. Copper Bus Bar - 4 Nos.	4	Nos.	1500.00	6,000.00
		200 / 5 Amp. CT Operated.	3	Nos.	800.00	2,400.00
		100 Amp. Copper Bus Bar - 4 Nos.	4	Nos.	1000.00	4,000.00
		100 / 5 Amp. CT Operated.	3	Nos.	800.00	2,400.00
		VAF Digital Meter.	2	Nos.	3200.00	6,400.00
		RYB Indicator.	6	Nos.	121.00	726.00