

Detailed cum Abstract Estimate											
Name of the Work :-		Construction of Kitchen, Dinning Hall in ZPHS School at Narapally in pocharam Municipality									
S.No	Item Description	No		L	B	D	Qty	Rate	Per	Amount	
1	BLD-CSTN-3-14-(31) - A: Supply and placing of the M-20 Design Mix Concrete corresponding to IS 456 using WEIGH BATCHER with 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including cost and conveyance of all materials like cement, fine aggregate, coarse aggregate, water etc., to site sales & other taxes on all materials including all operational, incidental and labour charges such as weigh batching, machine mixing, laying concrete, vibrating, curing, centering and suttering charges etc., complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) with minimum cement content as per IS code (1st floor)										
	Columns 1Floor	1	x	4	0.23	0.45	4.00	1.66	15063.39	Cum	24944.97
	Roof Beams for 1st Floor	1	x	2	4.50	0.23	0.35	0.72			
		1	x	2	4.50	0.23	0.35	0.72			
								1.45	13798.73	Cum	19994.36
	Roof slab 1st floor	1	x	1	5.70	6.00	0.13	4.28	13246.76	Cum	56629.90
	Lintel 1st floor	1	x	2	1.20	1.20	0.15	0.43	15280.40	Cum	6601.13
	Sunshade 1st floor	1	x	2	1.50	0.60	0.06	0.11	12252.74	Cum	1367.41
2	BLD-CSTN-4-1-(34): Providing High Yield Strength Deformed HYSD/ Thermo Mechanically Treated (TMT) / Mild steel (MS) steel 415/ Fe 500 grade as per IS 1786-1979) of different diameters for RCC works, including labour charges for straightening, cutting, bending to required sizes and shapes, placing in position with cover blocks of approved materials and size and tying and lap-splicing with binding wire of 18 SWG, forming grills for reinforcement work as per approved designs and drawings, including cost and conveyance of steel bars, including all wastages such as overlaps, couplings, chairs, spacer bars including cost and conveyance of binding wire, cover blocks and all incidental, operational, labour charges such as cutting, bending, placing in position, tying including sales and other taxes on all materials etc., complete for finished item of work in all floors. (APSS No.126										
	Columns							80kg xQty of Footings	132.48		
	Plinth Beams							80kg xQty of Footings	111.50		
	Roof Beams							80kg xQty of Footings	115.92		
	Roof slab							90kg xQty of Footings	384.75		
	Lintel							110kgkg xQty of Footings	47.52		
								792.17	86.95	1Kg	68879.18

3	BLD-CSTN-5-4-(42): Brick Masonary 2nd Class Ground moulded or treditional size 23x11x7 Cm in Cement Mortor 1:6 Prop including Cost & conveyance of all Materials like Cement, Sand, Bricks, Water, etc., to site cost of Seigniorage charges on all materials, including all labour charges like mixing Cement Mortor, scaffolding charges lift charges , curing charges etc., complete for finished item of work for 1st Floor										
	Super Structure	1	x	2	7.40	0.23	2.70	9.19			
		1	x	2	4.30	0.23	2.70	5.34			
	Toilet Walls	1	x	1	2.00	0.10	2.70	0.54			
		1	x	1	1.20	0.10	2.70	0.32			
	Parapet walls	1	x	2	8.60	0.23	0.75	2.97			
		1	x	2	5.80	0.23	0.75	2.00			
		1	x	2	5.80	0.23	0.75	2.00			
		1	x	2	5.80	0.23	0.75	2.00			
								24.37	9218.69	1 Cum	224617.07
4	BLD-CSTN-8-10-(85) : Plastering 12mm thick in two coats with base coat of 8mm thick in C.M. (1:5) and top coat of 4mm thick in C.M. (1:3) with dubara sponge finishing including cost & conveyance of all materials like cement, Sand , Water, etc., to site, seigniorage charges, all operational, including charges, labour charges for mixing mortar, finishing, scaffolding, lift charges, curing , including cutting grooves where ever necessary etc., complete for finished item of work of uneven surfaces of walls. (Internal walls)										
	Inside walls	1	x	2	7.40		3.00	44.40			
	-do-	1	x	2	4.30		3.00	25.80			
	Ceiling	1	x	1	7.40	4.20		31.08			
	Toilet Walls	1	x	2	2.00		2.70	10.80			
		1	x	2	1.00		2.70	5.40			
	Deductions										
	Door	-1	x	2	0.90		2.10	-3.78			
		-1	x	4	0.75		2.10	-6.30			
								107.40	631.27	1 Sqm	67798.40
5	BLD-CSTN-8-9-(84) : Plastering 20mm thick in two coats with base coat of 16mm thick in C.M. (1:6) and top coat of 4mm thick in C.M. (1:3) with dubara sponge finishing including cost & conveyance of all materials like cement, Sand , Water, etc., to site, seigniorage charges, all operational, including charges, labour charges for mixing mortar, finishing, scaffolding, lift charges, curing , including cutting grooves where ever necessary etc., complete for finished item of work of uneven surfaces of walls. (External walls)										
	External Walls	1	x	2	7.40		4.20	62.16			
	-do-	1	x	2	4.30		4.20	36.12			
	Slab offsets	1	x	2	8.60		0.60	10.32			
	-do-	1	x	2	5.80		0.90	10.44			

	Parapet walls	1	x	2	8.60		0.75	12.90			
		1	x	2	5.80		0.75	8.70			
								140.64	661.21	1 Sqm	92992.57
6	Supply of HOT DIP GALVANIZED METAL BOXES (MODULAR) (ELEC-1.3.1)										
	12 Module Boxes	1	x	3				3.00	224.00	Each	672.00
	8 Module Boxes	1	x	3				3.00	185.00	Each	555.00
	6 Module Boxes	1	x	2				2.00	143.00	Each	286.00
	4 Module Boxes	1	x	3				3.00	104.00	Each	312.00
7	Supply of Module Cover Frame .Makes :Legrand Arteor/Schneider Zen celo/Honeywell Blenge Plue /Crabtree Amare/Logus Plationa/ Gold Medal GIFA/GM- Zenova/L&T ENGLAZE										
	12 Module Boxes	1	X	3				3.00	229.00	Each	687.00
	8 Module Boxes	1	X	3				3.00	185.00	Each	555.00
	6 Module Boxes	1	X	2				2.00	143.00	Each	286.00
	4 Module Boxes	1	x	3				3.00	97.00	Each	291.00
8	Wiring with 2 runs of 22/0.3mm (1.5 Sq.mm) Fire Retardant (FR) P.V.C. insulated flexible copper cable (ISI MARK) in existing pipe with 6A switch, Ceiling rose and 3mm thick hylam sheet covering to switch control box including all labour charges etc., complete for light, bell, fan and exhaust fan points in Non-Residential Buildings										
		1	x	20				20.00	693.74	Each	13874.80
9	Supply and run of 1 of 22 /0.3mm (1.5 Sq.mm) FR P.V.C. insulated flexible copper cable in existing pipe for earth continuity including all labour charges etc., complete.										
		1	x	4	100.00			400.00	33.48	Rmt	13392.00
10	Supply and run of 2 of 36/0.3mm (2.5 Sq.mm) F.R P.V.C. insulated flexible copper cable in existing pipe for mains including all labour charges etc., complete.										
		1	x	7	100.00			700.00	93.42	Each	65394.00
11	Supply and run of 2 of 36/0.3mm (4 Sq.mm) F.R P.V.C. insulated flexible copper cable in existing pipe for mains including all labour charges etc., complete.										
		1	x	1	50.00			50.00	129.89	1 Rmt	6494.50
12	Supply and transportation of 20W +/-10%, 1900 lumens, 1200mm length LED retro tube light, housing made with aluminum anodised body, wide operating voltage, double side connection, with PF20.9. Surge protection: > 2KV, THD<10%, with inbuilt driver and frosted cover CCT: 3000K-6500K as desired by the department and as per IS specifications, minimum CRI≥80, etc.complete with 5 years warranty. 1 No 570.00 LUMINAIRE MAKE: Fortune Artt/Capart/Kashyap BLU Ilion/Trinic/Sieger/Stanjo/Promptec/Lighting Technologies/										
		1	x	8	0.00			8.00	570.00	Each	4560.00

13	Supply of 12" (300mm). 900 RPM Heavy duty exhaust fans with metallic blades. Makes: Crompton/Almonard/Havells Turbo Force SP (ELEC-5.1.11)				
	1 x 2	2.00	3121.00	Each	6242.00
14	Supply of CFL holder of makes Phillips/Crompton/Bajaj/Surya.				
	1 x 8	5.00	26.00	Each	130.00
15	Supply and fixing of 6A 3 pin wall plug socket with 6A switch control on a common switch board with earth continuity including wire leads, earth connections along with all labour charges etc., complete.				
	1 x 8	8.00	151.38	Each	1211.04
14	supply and fixing of 16A 3pin/6A 3pin plug socket with indicator lamp and 16Amps fuse unit and 16 Amps switch control (5 in one) on decolam sheet covered board including earth connection and all labour charges etc., complete on wall.				
	1 x 8	8.00	151.38	Each	1211.04
15	Supply, Transportation of energy efficient fan, 1200 mm sweep, aluminium body, consuming 28 W, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) motor, class of insulation: B, 3 no's blades, 30 cm long down rod, 2 no's canopies, shackle kit, safety rope, copper winding, Power Factor greater than 0.90, Service Value (CMMAV) greater than 8.5, Air delivery minimum 235 CMM, 350 RPM (tolerance as per IS:374 2019), THD less than 10%, with remote or (ELEC-5.1.1)				
	1 x 6	6.00	2825.00	Each	16950.00
16	Providing & Placing on Terrace (at all floor levels) polyethylene water storage tank with Double layer approved brand & manufacture with 16 cover and suitable locking arrangement & making necessary holes for inlet & outlets and over flow pipes but without fittings & base support for				
	1 X 2 1500.00	3000.00	9.09	1Ltr	27270.00
17	Supply & Delivery of 110 mm dia 3 M Single Socket PVC/SWR pipe - 6 Kg/sq.cm				
	1 x 12	12.00	1023.67	Each	12284.04
18	Supply & Delivery of 110 mm dia 3 M 6Kg/sq.cm Double Socket 18 PVC/SWR pipe				
	1 x 12	12.00	1130.47	Each	13565.64
19	Supply & Delivery of 110 mm dia Plain Bend 87.5 Degree 19 UPVC/SWR Pipe fittings				
	1 x 10	10.00	104.53	Each	1045.30
20	Supply & Delivery of 110 mm dia UPVC/SWR Pipe fittings Door Bend 87.5 Degree				
	1 x 4	4.00	134.07	Each	536.28

21	Supply & Delivery of 110 mm dia - 45 Degree Bend - UPVC/SWR Pipe fittings				
	1 x 4	4.00	87.48	Each	349.92
22	Supply & Delivery of 110 mm dia - Single Tee - UPVC/SWR Pipe				
	1 X 3	3.00	135.20	Each	405.60
23	Supply & Delivery of 110 x 75 mm dia - Reducer - UPVC/SWR Pipe fittings				
	1 X 3	3.00	71.58	Each	214.74
24	75 mm dia 3 M Kg/sq.cm Single Socket PVC/SWR pipe - 4				
	1 X 8	8.00	315.85	Each	2526.80
25	75 mm dia 3 M Kg/sq.cm Double Socket PVC/SWR pipe - 4				
	1 X 8	8.00	356.75	Each	2854.00
26	Supply & Delivery of 75 mm dia - Double Tee with Door - UPVC/SWR Pipe fittings				
	1 X 4	4.00	247.68	Each	990.72
27	Supply & Delivery of 75 mm dia Plain Bend 87.5 Degree UPVC/SWR Pipe				
	1 X 5	5.00	62.49	Each	312.45
28	Supply & Delivery of 75 mm dia Door Bend 87.5 Degree UPVC/SWR Pipe fittings				
	1 X 3	3.00	84.08	Each	252.24
29	Supply & Delivery of 75 mm dia - 45 Degree Bend - UPVC/SWR Pipe fittings				
	1 X 8	8.00	48.85	Each	390.80
30	Supply & Delivery of 75 mm dia - Single Tee - UPVC/SWR Pipe				
	1 x 5	5.00	73.85	Each	369.25
31	Supply & Delivery of 4" (101.6 mm) Nahany Trap (Without Jali with inlet)UPVC/SWR Pipe fittings				
	1 x 5	5.00	73.85	Each	369.25
32	Labour charges for laying, fixing and commissioning the PVC pipes including couplers/ bends/ tees etc. any diameter including fixing necessary fittings like bends, plugs, couplers, junctions, tees, etc. with solvent jointing as per standard practice				
	1 x 1 20	20.00	99.98	Each	1999.60
33	S&F of 15 mm CP finish brass body wall mixer with hand shower with center distance 150 mm conforming to IS 8931				
	1 x 1	1.00	3181.22	Each	3181.22
34	S&F of Chromium plated finish brass body quarter turn Bibcock cum 34 Health Faucet with 1m long tube and wall hook with 10 years warranty				
	1 x 1	1.00	3710.67	Each	3710.67

35	Providing and fixing 30mm thick WPC (Wood Plastic Composition) Door Shutters as per manufacture specification fitted with Hinges, 2 Nos of 250 mm long MS Aldrop, 2 Nos of 125 mm long Aluminium 35 door handle, 1 No. of 250 mm long Aluminium tower bolt, 1 no. 250 mm long Aluminium door latch & 1 No. baby lock including cost and conveyance of all material, all fixtures and all labour charges etc, for fixing etc, complete. (Adopted from approved rates)				
	1 x 1 0.9 2.1	1.89	7150.00	Sqm	13513.50
36	Supply, Installation and commissioning approved make floor mounted Close Coupled wash down EWC conforming to IS:2556 (Part 8)-2004 with 'P' or 'S' trap with dual flush porcelain cistern fixed on wash down 36 EWC with all internal parts of dual flush cistern, ultra-solid seat cover of approved make with rubber buffer and cap & 15 mm angle stop cock & 450 mm long PVC inter connection pipe wall flanges all of approved make etc. complete for finished item of work in all respects: Special				
	1 x 6	6.00	18195.44	Each	109172.64
37	Supply & Fixing of approved coloured glazed flat back Bowl Urinals of size min size 365x335x670mm conforming to IS:2556-1995 incl., cost of its fixing etc., complete for finished item of work as directed by the CERA S4020107 calcia or equivalent model Engineer-in-charge (Approved rate adopted)				
	1 x 2	2.00	10395.77	Each	20791.54
38	Providing & Fixing Ceramic Urinal partition of size 720x320x90mm of approved colour fixed with expandable anchor fasteners with CP brass 38 bolts and washers, embedded in wall with anchor and set in cement concrete complete incl., cutting and making good the walls wherever required				
	1 x 3	3.00	2669.95	Each	8009.85
39	Supply & Fixing of approved colour Grade-I/Grade-II glazed Wash Hand Basin with full pedestal of size 630x450mm conforming to IS:2556 (Part4)-1972 1st quality with waste fittings like rubber plug, chain, 32mm nominal size C.P fittings with parallel pipe thread conforming to IS:2963-1979 and fitted with parallel pipe thread conforming to IS:2963-1979 and fitted with 15mm nominal bore chromium plated Pillar Tap of 1st quality Indian make 400grams Seiko/Senior/Nice/Esso or equivalent complete with standard CI brackets incl., wooden block with single CP pillar cock incl., its fixing etc., complete CERA make CONCORD Wash Basin or equivalent				
	1 x 1	1.00	5720.52	Each	5720.52
40	S&F CP finish steel towel rod of 600 mm long and 20 mm dia with brackets				
	1 x 1	1.00	459.00	Each	459.00

41	Supplying and fixing TV shape mirror with plastic frame size 609.6 mm x 457.2mm (TBSP-J.1-35)					
	1 X 1	1.00	593.07	Each	593.07	
42	S&F CP finish brass soap dish (TBSP-F.VII 21)					
	1 X 1	1.00	655.56	Each	655.56	
43	Flooring with Non-skid red or white full body Ceramic floor tiles of size 300 x 450 mm and 6mm thickness 1st quality conforming to IS:13711, IS:13712, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and design, set over base coat of cement mortar (1:8), 12 mm thick over CC bed already laid or RCC roof slab, including neat cement slurry of honey like consistency spread @ 3.3.kgs per sqm & jointed neatly with white cement paste to full depth mixed with pigment of matching shade, including cost of all materials like cement, sand water and tiles etc., complete, including seigniorage charges, etc., complete for finished item of work, including the cost and conveyance of all materials. for 1st Floor					
	Flooring	1 X 1	7.4	4.3	31.82	
	Toilet Walls	1 x 1	1.8	2.1	3.78	
		1 x 1	0.9	2.1	1.89	
		1 x 4	1.2	2.1	10.08	
	Walls Cladding	1 x 2	3.55	1.2	8.52	
		1 x 2	4.32	1.2	10.37	
		1 x 2	3.5	1.2	8.40	
		1 x 2	4.32	1.2	10.37	
		1 x 2	3.5	1.2	8.40	
		1 x 2	3.5	1.2	8.40	
		1 x 2	3.5	1.2	8.40	
		1 x 2	3.5	1.2	8.40	
		1 x 2	3.5	1.2	8.40	
		1 x 2	3	1.2	7.20	
		1 x 2	1.05	2.1	-8.82	
	Deductions	-1 x 4	0.75	2.1	-3.15	
		-1 x 2		2.1	-3.15	
				122.46	1053.80	Sqm 129044.13
44	BLD-CSTN-10-25-(148): Providing impervious coat to exposed RCC roof slab surface with CM(1:3), 20mm thick with 1kg of water proof compound per bag of cement laid over roof when it is green including cost of all materials, seigniorage charges, excluding conveyance charges of materials and including all operational, incidental and labour charges for mixing mortar, laying, rendering smooth and thread lining, curing, rounding off junctions of wall and slab etc., complete for finished item of work					
	1 x 1	16.2	5.34	86.51	623.23	Sqm 53914.38

