OFFICE OF THE PRINCIPAL

K.C. DAS COMMERCE COLLEGE

A Provincialised College under the Government of Assam
UGC Recognised; AICTE Recognised; Affiliated to Gauhati University; NAAC Accredited; ISO 9001:2015
Chatribari, Guwahati: 781 008, Assam, India
E-mail: kcdccollege@gmail.com Web: www.kcdccollege.ac.in
Phones: +91 361 2733691; +91 94357 07157; +91 98640 30992

Dr. Hrishikesh Baruah, M.Sc., Ph.D.
Principal & Secretary

Ref. No. : KCDCC/TN/2024/ 365 Date: 08.10.2024

TENDER NOTICE

Sealed tenders are invited from the interested Civil Contractor/ Construction firms for the construction of a Canteen at ground floor of existing new building (RCC G+ 3) of K.C. Das Commerce College, Guwahati – 8 with the following provisions and details attached herewith.

Estimated floor area: 1300 sqft.

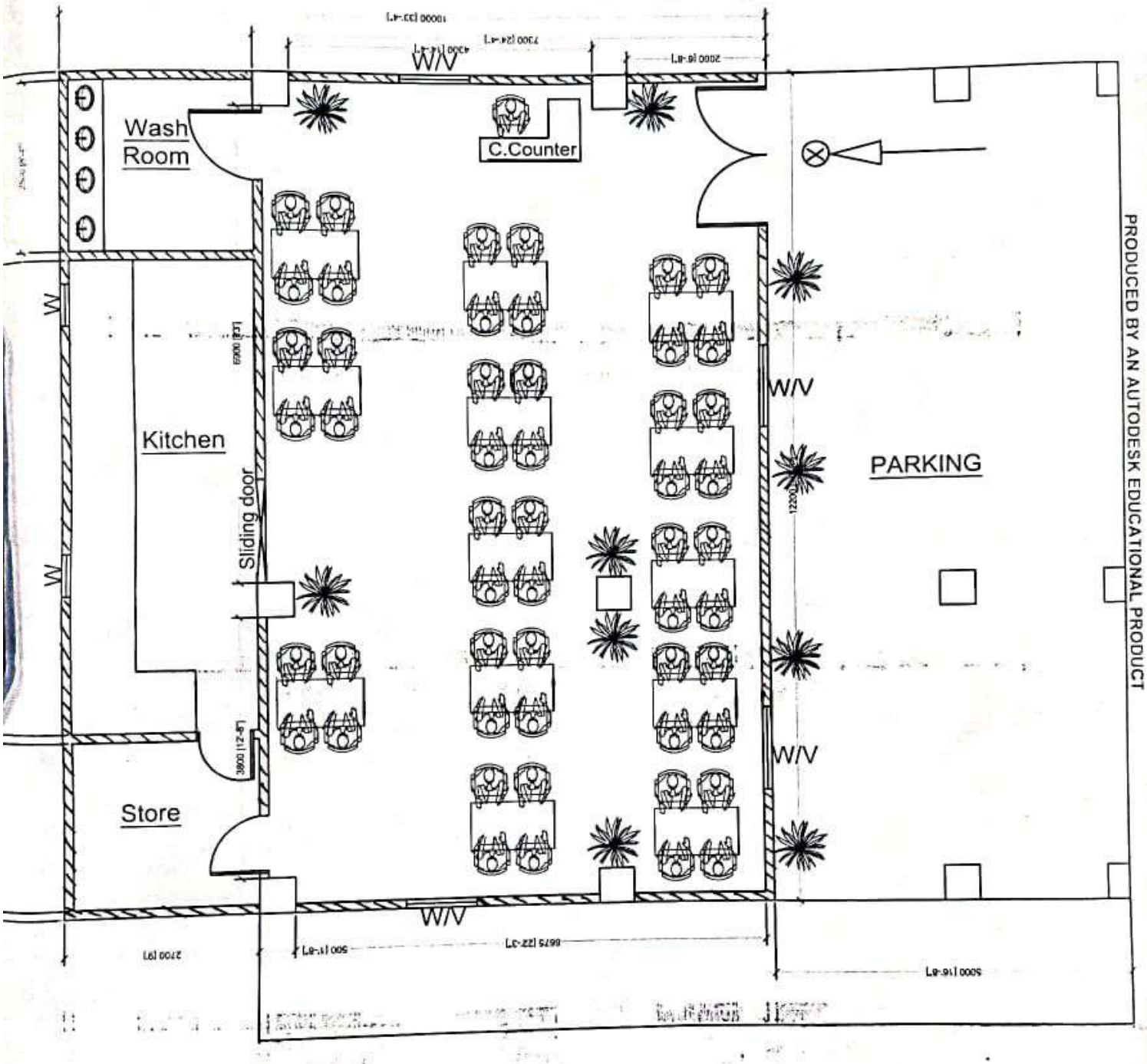
Provisions:

1. Providing brick walling 112mm thick with wall plasters.
2. Floor tiles in all areas in the propose canteen.
3. UPVC door and windows.
4. Cup board at kitchen.
5. Colour coated roofing sheet at kitchen, store & wash area.
6. Granite stone slab at kitchen counter top.
7. Colouring & painting on wall surfaces of the canteen.
8. Sanitary and water supply works.
9. Electrical works.

The last date and time of submission is 22nd October, 2024 within 4.00 P.M..

(Hrishikesh Baruah)
Principal
K.C. Das Commerce College

Name of work:- Propose Canteen Ground floor of existing new building at K.C. Das Commerce College, Rehabari, Guwahati, Assam 08



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Name of work:-	Propose Canteen Ground floor of existing new building at K.C. Das Commerce College, Rehabari, Guwahati, Assam 08.										
A. Civil works:-											
1	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.										
	Cement mortar 1:3 (1 cement :3 coarse sand)										
	wall	2	x	4.30	x	3.00	=	25.80	M2		
		2	x	2.00	x	3.00	=	12.00	,,		
		1	x	12.20	x	3.00	=	36.60	,,		
		4	x	2.70	x	3.00	=	32.40	,,		
		1	x	2.40	x	3.00	=	7.20	,,		
		1	x	3.80	x	3.00	=	11.40	,,		
		1	x	6.90	x	3.00	=	20.70	,,		
		1	x	9.55	x	3.00	=	28.65	,,		
	(-) Lintel	2	x	4.30	x	0.15	=	-1.29	,,		
		2	x	2.00	x	0.15	=	-0.60	,,		
		1	x	12.20	x	0.15	=	-1.83	,,		
		4	x	2.70	x	0.15	=	-1.62	,,		
		1	x	2.40	x	0.15	=	-0.36	,,		
		1	x	3.80	x	0.15	=	-0.57	,,		
		1	x	6.90	x	0.15	=	-1.04	,,		
		1	x	9.55	x	0.15	=	-1.43	,,		
	(-) Door	1	x	2.10	x	1.50	=	-3.15	,,		
		3	x	2.10	x	1.00	=	-6.30	,,		
		1	x	2.10	x	0.80	=	-1.68	,,		
	(-)W	2	x	1.00	x	1.00	=	-2.00	,,		
		2	x	1.20	x	1.00	=	-2.40	,,		
		2	x	0.60	x	0.60	=	-0.72	,,		
	Kitchen slab bottom	5	x	0.90	x	0.75	=	3.38	,,		
						Total	=	153.14	M2		
2	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.										
	Thermo-Mechanically Treated bars of grade Fe-500D or more.										
	Mulion colm										
		2	x	4	x	5.00	x	0.62	=	24.80	Kg

	Strriups	2	x	36	x	0.50	x	0.39	=	14.04	,,
	Tie beam											
		2	x	4	x	4.30	x	0.62	=	21.33	,,
	Strriups	2	x	32	x	0.50	x	0.39	=	12.48	,,
		2	x	4	x	2.00	x	0.62	=	9.92	,,
	Strriups	2	x	16	x	0.50	x	0.39	=	6.24	,,
		1	x	4	x	12.20	x	0.62	=	30.26	,,
	Strriups	1	x	98	x	0.50	x	0.39	=	19.11	,,
		4	x	4	x	2.70	x	0.62	=	26.78	,,
	Strriups	4	x	22	x	0.50	x	0.39	=	17.16	,,
		1	x	4	x	2.40	x	0.62	=	5.95	,,
	Strriups	1	x	20	x	0.50	x	0.39	=	3.90	,,
		1	x	4	x	3.80	x	0.62	=	9.42	,,
	Strriups	1	x	30	x	0.50	x	0.39	=	5.85	,,
		1	x	4	x	6.90	x	0.62	=	17.11	,,
	Strriups	1	x	55	x	0.50	x	0.39	=	10.73	,,
		1	x	4	x	9.55	x	0.62	=	23.68	,,
	Strriups	1	x	77	x	0.50	x	0.39	=	15.02	,,
	Kitchen slab	1	x	40	x	1.10	x	0.62	=	27.28	
		1	x	6	x	7.00	x	0.62	=	26.04	
		1	x	5	x	0.90	x	0.62	=	2.79	
		1	x	6	x	1.00	x	0.62	=	3.72	
								Total	=	333.610	Kg
	3	Centering and shuttering including strutting, propping etc. and removal of form for Foundations, footings, bases of columns, etc. for mass concrete									
	Colm foundation	4	x	4	x	0.40	x	0.60	=	3.84	M2
		2	x	4	x	0.40	x	0.60	=	1.92	,,
								Total	=	5.76	M2
	4	Suspended floors, roofs, landings, balconies and access platform with water proof ply 12 mm thick									
	Kitchen slab										
				1	x	6.80	x	0.90	=	6.12	M2
				1	x	0.85	x	0.90	=	0.77	,,
	Side			1	x	6.80	x	0.10	=	0.68	,,
				1	x	0.85	x	0.10	=	0.09	,,

								Total	=	7.66	M2
5	Lintels, beams, plinth beams, girders, bressumers and cantilevers with water proof ply 12 mm thick											
	Tie beam											
		2	x	2	x	4.30	x	0.15	=	2.58	M2
		2	x	2	x	2.00	x	0.15	=	1.20	,,
		1	x	2	x	12.20	x	0.15	=	3.66	,,
		4	x	2	x	2.70	x	0.15	=	3.24	,,
		1	x	2	x	2.40	x	0.15	=	0.72	,,
		1	x	2	x	3.80	x	0.15	=	1.14	,,
		1	x	2	x	6.90	x	0.15	=	2.07	,,
		1	x	2	x	9.55	x	0.15	=	2.87	,,
								Total	=	17.48	M2
6	Columns, Pillars, Piers, Abutments, Posts and Struts											
	Mulion Colm	2	x	4	x	3.00	x	0.125	=	3.00	M2
								Total	=	3.00	M2
	@			/M2	----------							
7	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement : 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)											
	Mulion Colm	4	x	3.00	x	0.125	x	0.125	=	0.188	M3
	Lintel	2	x	4.30	x	0.15	x	0.15	=	0.194	,,
		2	x	2.00	x	0.15	x	0.15	=	0.090	,,
		1	x	12.20	x	0.15	x	0.15	=	0.275	,,
		4	x	2.70	x	0.15	x	0.15	=	0.243	,,
		1	x	2.40	x	0.15	x	0.15	=	0.054	,,
		1	x	3.80	x	0.15	x	0.15	=	0.086	,,
		1	x	6.90	x	0.15	x	0.15	=	0.155	,,
		1	x	9.55	x	0.15	x	0.15	=	0.215	,,
	Kitchen slab	1	x	6.80	x	0.90	x	0.10	=	0.612	,,
		1	x	0.85	x	0.90	x	0.10	=	0.077	,,
								Total	=	2.189	M3

	8	15 mm cement plaster on the rough side of single or half brick wall of mix : 1:4 (1 cement: 4 fine sand)									
		wall	2	x	2	x	4.30	x	3.00	=	51.60	M2
			2	x	2	x	2.00	x	3.00	=	24.00	,,
			1	x	2	x	12.20	x	3.00	=	73.20	,,
			4	x	2	x	2.70	x	3.00	=	64.80	,,
			1	x	2	x	2.40	x	3.00	=	14.40	,,
			1	x	2	x	3.80	x	3.00	=	22.80	,,
			1	x	2	x	6.90	x	3.00	=	41.40	,,
			1	x	2	x	9.55	x	3.00	=	57.30	,,
		(-) Door			1	x	2.10	x	1.50	=	-3.15	,,
					3	x	2.10	x	1.00	=	-6.30	,,
					1	x	2.10	x	0.80	=	-1.68	,,
		(-)W			2	x	1.00	x	1.00	=	-2.00	,,
					2	x	1.20	x	1.00	=	-2.40	,,
					2	x	0.60	x	0.60	=	-0.72	,,
		wall	18	x	2	x	3.00	x	1.50	=	162.00	,,
		Kitchen slab bottom	5	x	2	x	0.90	x	0.75	=	6.75	,,
		Front side	5	x	1	x	0.75	x	0.125	=	0.47	
									Total	=	502.47	M2
	9	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:3:6 (1 Cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources)									
		Dining hall	1	x	12.00	x	7.18	x	0.025	=	2.153	M3
		Store	1	x	2.70	x	2.40	x	0.025	=	0.162	,,
		Kitchen	1	x	6.80	x	2.70	x	0.025	=	0.459	,,
		Wash room	1	x	2.75	x	2.70	x	0.025	=	0.186	,,
		Parking area	1	x	12.20	x	5.00	x	0.025	=	1.525	,,
									Total	=	4.485	M3

10	Providing and laying Vitrified tiles in floor in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) jointing with grey cement slurry @3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only . Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily. 11.41A.3: Glazed Vitrified tiles Matt/Antiskid finish of size 11.41A.3.1: Size of Tile 600 x 600 mm								
	Dining hall	1	x	12.00	x	7.18	=	86.10	M2
	Store	1	x	2.70	x	2.40	=	6.48	,,
	Kitchen	1	x	6.80	x	2.70	=	18.36	,,
	Wash room	1	x	2.75	x	2.70	=	7.43	,,
	Parking area	1	x	12.20	x	5.00	=	61.00	,,
						Total	=	179.37	M2
	@ /M2 ----------								
11	Providing and fixing Ist quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete								
	Kitchen	2	x	6.80	x	2.10	=	28.56	M2
		2	x	2.70	x	2.10	=	11.34	,,
	Wash room	2	x	2.75	x	2.10	=	11.55	,,
		2	x	2.70	x	2.10	=	11.34	,,
						Total	=	62.79	m^2
12	Providing and fixing factory made uPVC white colour casement/ Casement cum fixed glazed door comprising of uPVC multi-chambered frame, sash and mullion (where ever required) extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), uPVC extruded glazing beads of appropriate dimension, EPDM gasket, zinc alloy (white powder coated) 3D hinges and one handle on each side of panels along with zinc plated mild steel multi point locking having transmission gear, cylinder with keeps and one side key, G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws, etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, mullion (if required) shall be also fusion welded including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealent over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. (Single / double glass panes and silicon sealent shall be paid separately). Variation in profile dimension in higher side shall be accepted but no extra								
	Note: For uPVC frame, sash and mullion extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable.								
13	Casement door with top hung ventilator with 3D and S.S. friction hinges (400 x 19 x 1.9 mm) made of (big series) frame 67 x 64 mm, sash 67 x 110 mm & mullion 67 x 80 mm all having wall thickness of 2.3 ±. 0.2 mm and single glazing bead / double glazing bead of appropriate dimension (Area of door upto 2.50 sqm)								

	Entry door	1	x	1.50	x	2.10	=	3.15	m^2
	Wash room	1	x	1.00	x	2.10	=	2.10	m^2
	Kitchen	1	x	1.80	x	2.10	=	3.78	m^2
	Store	2	x	0.80	x	2.10	=	3.36	m^2
						Total	=	12.39	m^2

14 Providing and fixing factory made uPVC white colour casement/casement cum fixed glazed windows comprising of uPVC multi-chambered frame, sash and mullion (where ever required) extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), uPVC extruded glazing beads of appropriate dimension, EPDM gasket, stainless steel (SS 304 grade) friction hinges, zinc alloy (white powder coated) casement handles, G.I fasteners 100 x 8 mm size for fixing frame to finished wall, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, mullion (if required) shall be also fusion welded including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. (Single / double glass panes and silicon sealant shall be paid separately). Variation in profile dimension in higher side shall be accepted but no extra payment on this account shall be made.

Note: For uPVC frame, sash and mullion extruded profiles minus 5% tolerancein dimension i.e. in depth & width of profile shall be acceptable.

Casement window single panel with S.S. friction hinges (300 x 19 x 1.9 mm), made of (small series) frame 47 x 50 mm & sash 47 x 68 mm both having wall thickness of 1.9 ± 0.2 mm and single glass pane glazing bead of appropriate dimension. (Area of window upto 0.75 sqm.)

	Window	2	x	1.00	x	1.00	=	2.00	m^2
		2	x	1.20	x	2.10	=	5.04	m^2
		2	x	0.60	x	0.60	=	0.72	m^2
						Total	=	7.76	m^2

15 Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels.

Granite stone slab colour black, Cherry/Ruby red

Area of slab upto 0.50 sqm

	Kitchen slab	1	x	6.80	x	0.90	=	6.12	M2
		1	x	0.85	x	0.90	=	0.77	,,

	Side			1	x	6.80	x	0.125	=	0.85	,,
				1	x	0.85	x	0.125	=	0.11	,,
								Total	=	7.85	M2
	@			/M2	----------						
16	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.										
	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works										
	Post(122x61x5.4) mm			4	x	3.00	x	14.01	@	168.12	Kg
	(96x48x4.0)mm			5	x	2.70	x	8.22	@	110.97	,,
				5	x	3.00	x	8.22	@	123.30	,,
		5	x	2	x	0.80	x	8.22	@	65.76	,,
		5	x	1	x	0.60	x	8.22	@	24.66	,,
		5	x	1	x	0.30	x	8.22	@	12.33	,,
	Purlin(66x33x3.6)	1	x	4	x	13.20	x	6.77	@	357.46	,,
								Total	=	862.60	Kg
17	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineerin- charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.										
				1	x	13.20	x	3.00	=	39.60	M2
								Total	=	39.60	M2
18	Providing and fixing 18mm thick both sides Pre-laminated cement bonded wood particle board as per IS : 15786:2008 of approved brand and shade with suitable full threaded steel screws etc. in partitions, boxes, shelves, racks and cupboard, kitchen cabinet under kitchen counter etc. all complete as per direction of Engineer-in-charge (Note: Fittings to be paid separately).										
	18 mm thick										
				2	x	5.50	x	1.00	=	11.00	M2
				6	x	1.00	x	1.00	=	6.00	,,
								Total	=	17.00	M2

19	Providing and fixing 6mm thick both sides Pre-laminated cement bonded wood particle board as per IS : 15786:2008 of approved brand and shade with suitable full threaded steel screws etc. on the backing of racks, drawer, cupboard, kitchen cabinet under kitchen counter etc. all complete as per direction of Engineer-in-charge.								
		1	x	6.00	x	1.00	=	6.00	M2
		6	x	1.00	x	0.75	=	4.50	,,
						Total	=	10.50	M2
20	Providing and fixing cupboard shutter with 19mm thick one side decorative and other side balancing lamination factory pressed BWP grade marine ply as per IS 710 of approved brand including 2mm thick PVC edge banding tape with hot glue by edge bending machine etc. with auto closing spring loaded hinges (hydraulic type) etc. complete as per direction of Engineer-in-charge.(Payment of providing and fixing auto closing hinges shall be paid separately)								
		1	x	6.00	x	0.75	=	4.50	M2
						Total	=	4.50	M2
21	Providing and fixing stainless steel fancy handle of approved make fixed with SS screws etc. complete as per direction of Engineer-in-charge. 200 mm								
		1	x	6	=	6	Each		
				Total	=	6	Each		
22	Providing and fixing stainless steel soft closing spring hinges at 0 degree hinges (hydraulic type) of approved make/brand to cupboard shutters with full threaded steel screws including making necessary recess in board and finished etc. complete as per direction of Engineer-in-charge								
		1	x	16	=	16	Each		
				Total	=	16	Each		
23	Providing and fixing stainless steel soft closing heavy type telescopic drawer channels of approved make 500 mm long with screws etc. complete as per directions of Engineer- in-charge.								
		1	x	5	=	5	one set		
				Total	=	5	one set		
24	Providing and fixing 2mm thick 16 to 19mm wide PVC edge binding tape of approved quality for cupboard/wardrobe shutters including necessary synthetic resin hot pressed to edges on binding machine etc. complete as per directions of Engineer- in-charge.								

			1	x	10.00	=	10.00	metre
					Total	=	10.00	metre
25	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.							
	Inside wall							
	Store	2	x 2.40	x	3.00	=	14.40	M2
		2	x 2.70	x	3.00	=	16.20	,,
	Kitchen	2	x 9.55	x	0.90	=	17.19	,,
		2	x 2.70	x	0.90	=	4.86	,,
	Wash room	2	x 2.50	x	0.90	=	4.50	,,
		2	x 2.70	x	0.90	=	4.86	,,
	Outside wall							
	Store	2	x 12.20	x	3.00	=	73.20	,,
		2	x 10.00	x	3.00	=	60.00	,,
	(-) Door	3	x 1.00	x	2.10	=	-6.30	,,
		1	x 0.80	x	2.10	=	-1.68	,,
		1	x 1.50	x	2.10	=	-3.15	,,
	(-) W	2	x 1.00	x	1.00	=	-2.00	,,
		2	x 1.20	x	1.00	=	-2.40	,,
		2	x 0.60	x	0.60	=	-0.72	,,
					Total	=	178.96	M2
26	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade :**13.41.1**:-New work (two or more coats) over and including water thinnable priming coat with cement primer							
	Inside wall							
	Store	2	x 2.40	x	3.00	=	14.40	M2
		2	x 2.70	x	3.00	=	16.20	,,
	Kitchen	2	x 9.55	x	0.90	=	17.19	,,
		2	x 2.70	x	0.90	=	4.86	,,
	Wash room	2	x 2.50	x	0.90	=	4.50	,,
		2	x 2.70	x	0.90	=	4.86	,,
	(-) Door	3	x 1.00	x	2.10	=	-6.30	,,
		1	x 0.80	x	2.10	=	-1.68	,,
	(-) W	2	x 1.00	x	1.00	=	-2.00	,,
		2	x 0.60	x	0.60	=	-0.72	,,

						Total	=	51.31	M2
27	Finishing walls with Acrylic Smooth exterior paint of required shade : New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)								
	Outside wall								
	Store	2	x	12.20	x	3.00	=	73.20	M2
		2	x	10.00	x	3.00	=	60.00	,,
	(-) Door	1	x	1.50	x	2.10	=	-3.15	,,
	(-) W	2	x	1.00	x	1.00	=	-2.00	,,
		2	x	1.20	x	1.00	=	-2.40	,,
		2	x	0.60	x	0.60	=	-0.72	,,
						Total	=	124.93	M2
28	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work								
	Truss	5	x	2.50	x	2.40	x 1.00	=	30.00	m^2
							Total	=	30.00	m^2
									A. Total Civil work =	
B. Sanitary and Water Supply works:-										
29	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps								
		1	x	4	=	4	Each		
					Total	=	4	Each	
30	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required : Kitchen sink with drain board								
	510x1040 mm bowl depth 225 mm								
		1	x	1	=	1	Each		
					Total	=	1	Each	
31	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing : Rectangular shape 453x357 mm								

		1	x	4	=	4	Each
				Total	=	4	Each
32	Providing and fixing PTMT Waste Coupling for wash basin and sink, of approved quality and colour. Waste coupling 38 mm dia of 83 mm length and 77mm breadth, weighing not less than 60 gms						
		1	x	5	=	5	Each
				Total	=	5	Each
33	Providing and fixing PTMT Bottle Trap for Wash basin and sink. Bottle trap 31mm single piece moulded with height of 270 mm, effective length of tail pipe 260 mm from the centre of the waste coupling, 77 mm breadth with 25 mm minimum water seal, weighing not less than 260 gms						
		1	x	5	=	5	Each
				Total	=	5	Each
34	Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.						
		1	x	4	=	4	Each
				Total	=	4	Each
35	Providing and fixing PTMT towel ring trapezoidal shape 215 mm long, 200 mm wide with minimum distances of 37 mm from wall face with concealed fittings arrangement of approved quality and colour, weighing not less than 88 gms.						
		1	x	4	=	4	Each
				Total	=	4	Each
36	Providing and fixing brass bib cock of approved quality : 15 mm nominal bore						
		1	x	8	=	8	Each
				Total	=	8	Each
37	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.**Concealed work, including cutting chases and making good the walls etc.** 15 mm nominal dia Pipes						
		10	x	3.00	=	30.00	Mtr
				Total	=	30.00	Mtr
38	25 mm nominal dia Pipes						

		6	x	3.00	=	18.00	Mtr
				Total	=	18.00	Mtr
39	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge.						
	80 mm nominal dia Pipes						
		3	x	6.00	=	18.00	Mtr
				Total	=	18.00	Mtr
C. Electrical Works:-							
40	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required (i)1.14.1:-2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire						
		10	x	10.00	=	100.00	Mtr
				Total	=	100.000	Mtr
41	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.**(i)1.24.3**:- 15/16 amp switch						
		1	x	10	=	10	Each
				Total	=	10	Each
42	3 pin 5/6 amp socket outlet						
		1	x	10	=	10	Each
				Total	=	10	Each
43	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.						
		1	x	4	=	4	Each
				Total	=	4	Each
44	Supplying and fixing 3 pin, 5 amp ceiling rose on the existing junction box/ wooden block including connection etc as required.						
		1	x	2	=	2	Each
				Total	=	2	Each

45	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc. as required.							
		1	x	2	=	2	Each	
				Total	=	2	Each	
46	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc as required.1.27.2:- 3 Module (100mmX75mm)							
		1	x	5	=	5	Each	
				Total	=	5	Each	
47	Supply, Installation, Testing and Commissioning of 1200 mm sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CM/M/W) minimum 6.00, Air delivery minimum 210 Cum/Min , 350 RPM (tolerance as per IS : 374-2019), THD less than 10%, remote or electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc. complete as required.							
		1	x	2	=	2	Each	
				Total	=	2	Each	
48	Supplying and fixing following way,horizontal type three pole and natural sheet steel,MCB distribution board, 415 volts on surface/recess, complete with tinned copper bus bar,netural bus bar,earth bar,din bar,interconnections, powder painted including earthing etc. as required (but without MCB/RCCB/Isolator) (i)2.4.1:- 4way (4+12),Double door							
		1	x	2	=	2	Each	
				Total	=	2	Each	
49	Supplying with fitting fixing of surface & wall mounted LED luminaries complete with all accessories including driver directly on wall / ceiling including connection with 1.5 sq mm P.V.C. insulated S.C.copper conductor as required and as directed by the department. (BAJAJ/Crompton/PHILIPS/Havells or equivalent considering the mother items rate and specification)							
		1	x	15	=	15	Each	
				Total	=	15	Each	
50	Supplying including fitting fixing of following A.C. Exhaust fan in the existing hole on the wall of following sweeps with making necessary connection as approved by the Deptt.)as required complete and as directed by the Department. (Crompton or equivelent make) 225mm Sweep							

	1 x 2 = 2 Each Total = 2 Each	