

AJ Kitchen Fit Out

SR.NO.	DESCRIPTION	UNIT	PO QTY	PO RATE (Rs)	PO AMOUNT (Rs)	TOTAL EXECUTED QTY	RA - 1		RA - 2 (Current Bill)		VARIATION	
							QTY	AMOUNT (Rs)	QTY	AMOUNT (Rs)	QTY	AMOUNT (Rs)
CIVIL & INTERIOR WORKS												
1.00	Partition walls											
1.01	Supply and installation of fire rated calcium silicate board Partition Wall with the necessary supports, fittings and fixtures (excluding final finishes). Proposed height of kitchen partition wall is 4500 mm and pot wash room is 3150mm, it may be change as per site conditions. Note: Framing and double side board to be installed. Final Finishes price to be quoted in wall finishes section.	SQM	44.17	1,700.00	75,089.00	44.17	44.17	75,091.04	-	-	0.00	2.04
1.02	Supply and installation of fire rated calcium silicate board cladding on the existing walls in the Kitchen & pot wash area to pass the MEP services & to receive the final finishes with the necessary supports, fittings and fixtures (excluding final finishes). Proposed height is 3150mm, it may be change as per site conditions. Note: Framing and single side board to be installed on existing wall. Final Finishes price to be quoted in wall finishes section.	SQM	26.91	2,000.00	53,820.00	26.91	26.91	53,819.40	-	-	-0.00	-0.6
1.03	Supply and installation of 100 mm thick fire rated Gypsum board cladding on the existing walls to pass the MEP services & to receive the final finishes with the necessary supports, fittings and fixtures in the FOH & dining area walls , (excluding final finishes). Proposed height is 3700mm, it may be change as per site conditions. Note: Framing and single side board to be installed on existing wall. Final Finishes price to be quoted in wall finishes section.	SQM	47.71	1,800.00	85,878.00	47.73	47.73	86,914.00	-	-	0.02	36
1.04	Supply and installation of 45mm thick fire rated Gypsum board cladding on the existing walls to pass the MEP services & to receive the final finishes with the necessary supports, fittings and fixtures in the FOH & dining area walls , (excluding final finishes). Proposed height is 3700mm, it may be change as per site conditions. Note: Framing and single side board to be installed on existing wall. Final Finishes price to be quoted in wall finishes section.	SQM	50.00	1,800.00	90,000.00	68.45	68.48	123,210.00	-	-	18.45	33210
2.00 FLOOR FINISHES												
2.01	150mm thick concrete floor screeding to raise the floor to accommodate the drainage pipes and floor gratings & to receive floor finish in the Kitchen & FOH counter areas ; all in accordance with drawings & site conditions. Note: Total height of floor to be raised including floor finishes is 180mm in the kitchen & FOH counter area only	SQM	32.40	5,800.00	187,920.00	32.40	32.40	187,920.00	-	-	-	0
2.02	Supply & installation of water proofing with all necessary items, all in accordance with drawings and below mentioned specification. Note: Detailed specifications of the materials to be submitted to client.								-	-	-	0
2.02a	Wet Areas: 2 layers of 4mm thick 181 Bituminous membrane with 24-hour water bonding test including the sealing of Cores in the slab/walls (inspected and approved from support team).	SQM	44.14	1,200.00	52,968.00	44.14	44.14	52,968.00	-	-	-	0
2.03	Supply and installation of self levelling with all necessary items, all in accordance with drawings.	SQM	83.28	1,585.00	131,998.80	83.28	83.28	131,998.80	-	-	-	0
2.04	Supply and installation of anti-slip 600 x 600 mm white floor tile in the Kitchen & Pot wash area as per the drawings and renders. Note: Material to be approved by Client team.	SQM	14.07	2,500.00	35,175.00	14.04	14.04	35,100.00	-	-	-0.03	-75
2.05	Supply and installation of Stone Plastic Composite (SPC) flooring in the FOH dining area area ; colour & design as per drawings & render. Note: material to be approved by Client Team.	SQM	47.25	2,800.00	132,300.00	47.25	47.25	132,300.00	-	-	-	0

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4.21	Supply & installation of plaster box with the roled artificial plants with the 18mm thick MCF fibroact with composite of aluminium castles. (Refer the elevation including glass thick corner cladding with mirror glass & naturally looking ceiling for reflect light as per drawings and details. Size: 300 x 300 x 80 mm. Dimension, color & weight as per the drawings and renders. Note: Samples shall be submitted by contractor.	NOS	2.00	31,500.00	63,000.00	2.00	2.00	63,000.00	-	-	-	0
4.22	Supply & installation of round shape plaster box with the roled artificial plants with the 18mm thick MCF fibroact with composite of aluminium castles as per drawings and renders. Size of plaster box: 180 x 180 mm. Note: Samples shall be submitted by contractor.	Nos	3.00	12,000.00	36,000.00	3.00	-	-	3.00	36,000.00	-	0
4.23	Supply and installation of NATURALLY LOOKING ARTIFICIAL GRASS AND TREE as per the drawings and renders. To be coordinate with IFC colour drawings. Note: Samples shall be submitted by contractor. Size: 1.00 x 1.00 x 0.05 m. Note: Samples shall be submitted by contractor.	Nos	1.00	55,000.00	55,000.00	1.00	-	-	1.00	55,000.00	-	0
FURNITURE - TOTAL					19,04,500.00			8,15,000.00		10,89,500.00		-

SIGNAGES & DISPLAY UNIT

2.2	ALTER LED IN FRONT ELEVATION Supply & installation of A. 30" front P aluminium 30" edge white made of aluminium channel aluminium 30" white with front face acrylic illuminated LED with transformer including the Vitre graphic base & structure to be hanged from the top as per the drawings & renders. Supply and fixing of LED controller to adjusting LED brightness. Note: renders to be approved by Client Team.	Nos	1.00	32,500.00	32,500.00	1.00	-	-	1.00	32,500.00	-	0
	above mentioned sign in the kitchen language with the same structure and specification.	Nos	1.00	32,500.00	32,500.00	1.00	-	-	1.00	32,500.00	-	0
2.22	ALTER LED IN THE DINING AREA WALL Supply & installation of A. 30" front P aluminium 30" edge white made of aluminium channel aluminium 30" white with front face acrylic illuminated LED with transformer as per the drawings & renders. Supply and fixing of LED controller to adjusting LED brightness. Note: renders to be approved by Client Team.	Nos	1.00	18,500.00	18,500.00	1.00	-	-	1.00	18,500.00	-	0
2.23	HEART SHAPE LED IN THE DINING AREA WALL Supply & installation of front P 30" edge heart shape white made of aluminium channel aluminium 30" white with front face acrylic illuminated LED with transformer as per the drawings & renders. Supply and fixing of LED controller to adjusting LED brightness. Note: renders to be approved by Client Team.	Nos	1.00	11,000.00	11,000.00	1.00	-	-	1.00	11,000.00	-	0
24	Supply and installation of 42" Digital Display unit for the Menu as per the drawings and renders. Note: Sample to be submitted by client team.	Nos	2.00	45,000.00	90,000.00	2.00	-	-	2.00	90,000.00	-	0
SIGNAGES & DISPLAY UNIT - TOTAL					1,80,500.00			-		1,80,500.00		-

PLUMBING

4 SANITARY FITTINGS

SR.NO.	DESCRIPTION	UNIT	PO QTY	PO RATE (Rs)	PO AMOUNT (Rs)	TOTAL EXECUTED QTY	RA - 1		RA - 2 (Current Bill)		VARIATION	
							QTY	AMOUNT (Rs)	QTY	AMOUNT (Rs)	QTY	AMOUNT (Rs)
5.0	Supplying, installing, testing & commissioning of Pantry sink with single bowl with out drain board manufactured from stainless steel, 18G high grade indestructible chrome nickel steel with top quality polish, 1no.40 mm dia CP waste coupling, with 1no. 40mm dia CP bottle trap with extension pipe, CP angle cock, & diverter with Counter mounted type sink tap and necessary wall flanges,angle cock etc., complete.	Nos	4.00	13500	54000	4.00	-	-	4.00	54,000.00	-	0
6.0	Supplying, installing, testing and commissioning of 15mm CP angle valve with CP flanges including necessary fixing materials etc.,complete.	Nos	17.00	520	8840	17.00	-	-	17.00	8,840.00	-	0
7.0	Supplying, installing, testing and commissioning of 15mm CP bib cock with CP flanges including necessary fixing materials etc.,complete.	Nos	2.00	3000	6000	2.00	-	-	2.00	6,000.00	-	0
14.0	Supply, fixing, testing and commissioning of approved make vertical/horizontal type Electric water heater suitable for pressure rating up to 6Kg/sqcm with heating element with thermostat, 2 Nos. 15mm dia CP angle valve, pressure relief valve, non-return valve with CP copper connecting pipes with wall flanges etc., complete with all inlets, outlets, valves and all other accessories etc., complete.										-	0
14.1	Capacity : 15 ltr. 1.5 K.W heating element	Nos	1.00	11000	11000	1.00	-	-	1.00	11,000.00	-	0
14.2	Capacity : 25 ltr. 2 K.W heating element	Nos	1.00	11500	11500	1.00	-	-	1.00	11,500.00	-	0
8	DRAINAGE											
1.0	Supplying, fixing, testing and commissioning of PVC Soil, waste and ventilating pipes (SWR) conforming to IS:13592 Type B with rubber ring yellow seal (conforming to IS : 5382) joints inclusive of all necessary specials like bends, tee, offsets, door bends, junctions, cowls, threaded type cleanout etc., laid under floor / fixed on walls and in pipe shaft with proper pipe support like brackets, hangers, G.I grip bolts etc., complete. The support shall be painted with two coats of enamel paint.The rate shall include the cost of galvanized U clamps, bolts & nuts,painting of supports with 2 coats of zinc chromate primer with 2 coats of enamel paint of total DFT minimum 100 micron. As required at site as per drawings to the satisfaction of the Project Manager. Internal Toilet											
1.1	75 mm dia	Rm	30.00	950	28,500.00	32.30	30.00	28,500.00	-	-	2.30	2185
2.0	Supplying, fixing and testing uPVC pressure pipes (6Kg/sqcm) conforming to IS 4985 for waste connection from washbasin, kitchen sink to floor trap including, threading, cutting, laid under floor / concealed in wall etc. The work shall include wall chase and making good the same in cement mortar, etc., complete to the satisfaction of Engineer-in-charge The rate shall include the cost of galvanized U clamps, bolts & nuts,painting of pipes with 2 coats of zinc chromate primer with 2 coats of enamel paint of total DFT minimum 100 micron											0
2.1	40mm dia	Rm	10.00	1250	12,500.00	10.00	10.00	12,500.00	-	-	-	0
2.2	50 mm dia	Rm	0.00						-	-	-	0
3.0	Supplying, installing, testing and commissioning of Upvc floor trap with 110mm dia pipe PVC deep seal P trap with necessary PVC fabricated boss connection with a minimum 2nos. of 50mm dia inlets & CP floor grating (sealed type) etc. Complete. The cost shall include Cockroach Traps	Nos	6.00	600	3,600.00	6.00			6.00	3,600.00	-	0

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4.0	Drilling with core cutting in RCC beams, slabs, floors etc. for laying pipes and rendering the same in RCC 1:2:4, finishing the same to the satisfaction of the Owner or his authorized representative etc. including nominal reinforcement where ever required, complete. The quoted rate shall also include for providing EPOXY based water proofing compound for sealing the joints around the pipes. Core cut shall be done using rebar detector after getting the approval from the structural consultant..					-			-			
4.1	RCC slabs					-			-			
	s	Nos	0.00			-			-			
	50mm dia upto 110 mm	Nos	0.00			-			-			
	125mm dia upto 160 mm	Nos	0.00			-			-			
	160mm upto 250mm	Nos	0.00			-			-			
						-			-			
						-			-			
5.0	Supplying and installing MS fabricated drain grating at kitchen area where ever indicated using 50mm nominal bore, MS pipes at 105mm C/C and 8mm thick MS flats welded together and placed on MS angles of size 65mm x 65mm x 6mm, the quoted rates shall include for painting two coats of enamel paint over a coat of primer etc., Complete.					-			-			
5.1	150mm wide Drain Channel	Nos	0.00			-			-			
5.2	300mm wide Drain Channel	Nos	3.00	8500	25,500.00	3.00	3.00	26,600.00	-	-	-	0
5.3	450mm wide Drain Channel	Nos	0.00			-			-			
C	WATER SUPPLY											
1.0	Supply Installation, testing & commissioning of Chlorinated Polyvinyl Chloride (CPVC) pipes, SDR 11 as per IS 15778: 2007 & fittings as per ASTM D2848 / D2848M - 14 for pipe up to 50mm dia and for pipe 65mm and above use Sch 80 Pipes as per ASTM F - 441 & Sch 80 fittings as per ASTM F439 - 13, both of approved make, both of approved make having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings such as bends, elbows, tees, sockets, unions, plugs etc., including fixing the pipe, including necessary drilling holes, chasing walls and making the same good in as directed by the Engineer in-charge.											
	Cost shall be inclusive of all hangers, clamps, brackets etc. shall be of galvanized iron unless specified otherwise and then supply of the same shall also be included for rates under this head. Also rates including flusing and chemical cleaning of pipes. Charges for Labelling of pipe as per color schedule over painted surface of the pipes.											
	All pipes are mentioned here is ID only											
	Domestic water supply											
1.1	15 mm nominal dia	Rm	130.00	200	26,000.00	130.00	130.00	26,000.00	-	-	-	0
									-	-	-	0
2.0	Supply Installation, testing & commissioning of full way lever operated forged brass ball valve working pressure not less than PN10 with threaded / flanged joints complete with nuts, bolts, gaskets, washers etc.											
2.1	15 mm nominal dia	Nos	1.00	1100	1,100.00	1.00	1.00	1,100.00	-	-	-	0
2.2	25 mm nominal dia	Nos	1.00	1900	1,900.00	1.00	1.00	1,900.00	-	-	-	0
PLUMBING - TOTAL					1,90,440.00			95,500.00		94,940.00		2,185.00
ELECTRICAL												
1.00	LI SWITCHGEAR and Distribution Boards											

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	Supply and including LV cable and termination by below listed cable with copper legs brass cable glands tapping crimping etc. complete Single Compression Glands Cable Size Below 180 Sqmm Double Compression Glands Cable size above 180sqmm and Single core cables 400sqmm and above											
1	1 x 1/2" x 1/2" Sqmm AL arm cable	Nm	2	300	600.00	2.00	600.00	-	-	-	-	0
2	1 x 1/2" x 1/2" Sqmm AL arm cable	Nm	RC				-	-				
3	1 x 1/2" x 1/2" Sqmm AL arm cable	Nm	RC				-	-				
4	1 x 1/2" x 1/2" Sqmm AL arm cable	Nm	RC				-	-				
5	1 x 1/2" x 1/2" Sqmm AL arm cable	Nm	2	300	600.00	2.00	600.00	-	-	-	-	0
6	1 x 1/2" x 1/2" Sqmm AL arm cable	Nm	RC				-	-				
3.3	Aluminum Copper Cables											
1	1 x 1/2" x 1/2" Sqmm AL arm cable	Nm	2	300	600.00	2.00	600.00	-	-	-	-	0
2	1 x 1/2" x 1/2" Sqmm AL arm cable	Nm	2	300	600.00	2.00	600.00	-	-	-	-	0
3	1 x 1/2" x 1/2" Sqmm AL arm cable	Nm	2	300	600.00	2.00	600.00	-	-	-	-	0
4	1 x 1/2" x 1/2" Sqmm AL arm cable	Nm	RC				-	-				
5	1 x 1/2" x 1/2" Sqmm AL arm cable	Nm	2	300	600.00	2.00	600.00	-	-	-	-	0
3.8	Copper Flexible Cables											
1	1 x 1/2" Sqmm Cu flexible cable	Nm	8	300	2,400.00	8.00	2,400.00	-	-	-	-	0
2	1 x 1/2" Sqmm Cu flexible cable	Nm	RC				-	-				
4.1 SWITCHES AND SOCKETS												
	Supply and install switches and Sockets System as required according to the specification drawings and design. The installation rate of all the following accessories shall include the supply of all materials such as brassware, metal switchbox, union boxes, switch plate, switches, control accessories, wires, tags, supports, fittings, fuses and the like, to form complete elements and shall include for earthing the switchboxes. The installation rate shall include termination of all cables and wires into the devices, testing, commissioning and setting to work as required by the specifications.											
	NOTE: SWITCHES AND SOCKETS will not be procured based on BOQ only. True measurements will be taken by Contractor before commencing, based on Drawings/ Site actual requirements (Applicable to all related line items.											
	Power Receptacles with Box											
4.1	Supply, installation, testing and Commissioning of 1 x 6/16A, Universal 8 pin non-fused socket controlled with 1 x 16A Switch with indicator lamp including interconnector etc. complete. The sockets shall be with face plate. @ BCU with accessories. Rate shall include the cost for fixing of back box with plastering and rough finish.	Nm	40	1150	46,000.00	44.00	-	40.00	46,000.00	4.00	4600	
4.2	Supply, installation, testing and Commissioning of 1 x 6A, universal socket controlled with 1 x 6A Switch including interconnector etc. complete. The sockets shall be with face plate. @ BCU with accessories. Rate shall include the cost for fixing of back box with plastering and rough finish.	Nm	3	600	1,800.00	3.00	-	3.00	1,800.00	-	0	
4.3	Supply, installation, testing and Commissioning of 2 x 6/16A, universal socket controlled with 2 x 16A Switch including interconnector etc. complete. The sockets shall be with face plate. @ BCU with accessories. Rate shall include the cost for fixing of back box with plastering and rough finish.	Nm	RC				-	-				
4.4	Supply, installation, testing and Commissioning of 2 x 6A, universal socket controlled with 1 x 16A Switch including interconnector etc. complete. The sockets shall be with face plate. @ BCU with accessories. Rate shall include the cost for fixing of back box with plastering and rough finish.	Nm	RC				-	-				

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5.5	2R x 2.5 sq mm. + 1R 1.5 sq mm FRLS. MSCC wires drawn in 25mm Dia GI conduit with all accessories for general lighting The rate shall include the cost of conduits and its accessories .	Rmtrs	RO									
5.6	2R x 4sqmm and 1RX2.5Sqmm FRLS MSCC wires drawn in 25mm dia GI conduit with all accessories for general purpose power sockets.The rate shall include the cost of conduits and its accessories.	Rmtrs	RO									
5.7	1 core 4 sqmm Double Insulated Copper copper conductor flexible cable with FRLS Sheathing in the existing raceways/conduits. Rate shall exclude the cost of Raceway/conduit in this items.	Rmtrs	1750	175	3,06,250.00	1,750.00	1,760.00	3,06,260.00	-	-	-	0
5.8	1 core 6 sqmm Double Insulated Copper copper conductor flexible cable with FRLS Sheathing in the existing raceways/conduits. Rate shall exclude the cost of Raceway/conduit in this items.	Rmtrs	50	225	11,250.00	50.00	60.00	11,260.00	-	-	-	0
6. POINT WIRING												
6.1	Point wiring of light, using 1100 volt grade, 3Rx1.5Sqmm multl strand FRLS insulated copper conductor flexible cable, drawn in existing raceways/Conduit. The rate shall include providing mounting boxes with tapped holes for lights switches, moulded front plates with brass screws earthing of all points using third core of the cable, For MCB Controlled Lights -DB to 1st light will be measured as circuit wiring. The point wiring shall be as per specification.Rate shall exclude the cost of MCB Raceways in this item.(CONDUIT - GI)											
6.1	PRIMARY LIGHT POINT (Switch Control)											
	Primary light point means wiring from first switch control to the first light outlet. The switch and all necessary accessories would be part of primary point. Not to include the incoming lighting circuit from MCB-DB to switch. But to include the sub-circuit if it is drawn from adjacent switch box. Ceiling flexible conduit shall be included at the drop of light fixture.	Nos	10	2800	28,000.00	10.00	10.00	28,000.00	-	-	-	0
6.2	SECONDARY LIGHT POINT (Switch Control)											
	Secondary light point means extension of light outlet from existing primary point. Same to be controlled by the existing switch of primary point. Ceiling flexible conduit shall be included at the drop of light fixture.	Nos	25	2800	70,000.00	25.00	26.00	70,000.00	-	-	-	0
6.3	SECONDARY LIGHT POINT (MCB Control)											
	Secondary light point means extension of light outlet from existing primary point. Same to be controlled by the existing MCB of primary point. Ceiling flexible conduit shall be included at the drop of light fixture. The Wiring from DB to First Light point will be measured under circuit mains.	Nos	RO				-	-				
6.4	Ceiling fan point controlled by 6/10 A flush type SP switch. The rate shall include MS fan hook boxes. The rate shall also include cost of 300 W electronic fan speed controller in this item only.Rate shall exclude the cost of ceiling fan in this item.	Nos	RO				-	-				
7.00 CABLE TRAY/RACEWAYS												
7.1 Ladder Type												
	Supply and providing ladder cable trays factory fabricated out of 2mm thick galvanized sheet steel, channel size 75 x 15 mm and rung size 30 x 6 mm, spaced at 250 mm interval, supporting angle frame at every 1.8 m, bottom angle fasteners, anchor grip bolts, synthetic enamelled painting, etc. The tray shall be suspended from ceiling using anchor bolt and angle iron supports or mounted from wall. The rate shall include all accessories like bends, elbows, tees, coupler plates, etc., which will be measured as linear measurement and fixing accessories. The rate shall include the cost of Supports.											
8	150 mm wide 50 mm height	Rmtrs	RO				-	-				0
9	300 mm wide 75 mm height	Rmtrs	RO				-	-				0

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1	Supply, installation, Testing & Commissioning of 5 KVA 1 Phase Input/1 phase output UPS with 90 mins. Backup Battery Type: SMF with racks & enclosure (Output Power Factor Unity)	Nos	1	115000	1,15,000.00	1.00	-	-	1.00	1,15,000.00	-	0
ELECTRICAL - TOTAL					12,45,189.95			6,12,900.00		6,31,758.67		6,234.60
IT												
IT/NETWORKING :												
1.1	4-pair, Cat 6 UTP FRLS Cable	Mtrs	175	60	14,000.00	182.00	87.60	7,000.00	87.60	7,000.00	7.00	560
1.2	Cat 6 UTP Information Outlet for Workstation end	Nos	8	300	2,400.00	8.00	4.00	1,200.00	4.00	1,200.00	-	0
1.3	Cat 6 RJ45-RJ45 UTP Patch Cords, color matched, Yellow - Workstation end, 7 ft.	Nos	8	550	4,400.00	8.00	4.00	2,200.00	4.00	2,200.00	-	0
1.5	Dual Face Plates	Nos	0	700			-				-	0
1.4	Single Face Plates	Nos	8	500	4,000.00	8.00	4.00	2,000.00	4.00	2,000.00	-	0
1.6	Supply and fixing of Metal box suitable information outlet, flush surface type in position. The rate shall exclude the cost of faceplate and information Outlet.	Nos	8	1200	9,600.00	8.00	4.00	4,800.00	4.00	4,800.00	-	0
1.7	Supply, installation, testing and Commissioning of RJ11 Telephone Point. The Telephone Socket shall be with face plate, G BOX with accessories.	Nos	0				-				-	0
1.8	Cat 6 24 Port Angled Discrete Jack panel - fully loaded (1U). The rate shall include the cost of Patch Panel, Information Outlets with all the required supporting accessories.	Nos	1	3000	3,000.00	1.00	0.60	1,800.00	0.60	1,600.00	-	0
1.9	OE U wall mount rack with required mounting accessories. Rate shall include required accessories, tools etc., complete as required.	No	1	7000	7,000.00	1.00	0.60	3,600.00	0.60	3,600.00	-	0
IT - TOTAL					44,400.00			22,200.00		22,200.00		560.00
CCTV												
1	Supply, installation, testing and Commissioning of UL approved, IP based Dome indoor type SMP, HD Dome camera	Nos	5	3500	17,500.00	5.00	2.60	8,760.00	2.60	8,760.00	-	0
2	Supply, installation, testing and Commissioning of UL approved, Outdoor type ZMP Camera.	Nos	RO			-	-	-	-	-	-	-
3	Supply, installation, testing and Commissioning of 8 Channel NVR Ultra 4 K resolution and recording software with Storage capacity of 30Days with all required accessories	No	1	16000	16,000.00	1.00	0.60	8,000.00	0.60	8,000.00	-	0
4	CAT 6 PoE Cable as per the survey done. Rate shall include required accessories, tools etc. complete as required.	Mtr	100	80	8,000.00	116.00	60.00	4,000.00	60.00	4,000.00	16.00	1280
5	Cat 6 Single Information Outlets including faceplates and backbox accessories.	Nos	5	300	1,500.00	5.00	2.60	760.00	2.60	760.00	-	0
6	Cat 6 12 Port Angled Discrete Jack panel - fully loaded (1U). The rate shall include the cost of Patch Panel, Information Outlets with all the required supporting accessories (CCTV).	Nos	RO			-	-	-	-	-	-	-
7	Cat 6 PoE 7ft Gigaset Stragless Moided Patch Cable (RJ-45 Make) with factory crimping, these patch cords will suffice for connecting between Data Outlet & CCTV.	No	0				-	-	-	-	-	0
8	Cat 6 PoE 6ft Gigaset Stragless Moided Patch Cable (RJ-45 Make) with factory crimping, these patch cords will suffice for connecting between Data Outlet & CCTV (1500ft).	No	5	3500	17,500.00	5.00	2.60	8,760.00	2.60	8,760.00	-	0
9	OE U wall mount rack with required mounting accessories. Rate shall include required accessories, tools etc., complete as required.	No	RO			-	-	-	-	-	-	-
10	PVC pipes					-	-	-	-	-	-	-

SR.NO.	DESCRIPTION	UNIT	PO QTY	PO RATE (Rs)	PO AMOUNT (Rs)	TOTAL EXECUTED QTY	RA - 1		RA - 2 (Current Bill)		VARIATION	
							QTY	AMOUNT (Rs)	QTY	AMOUNT (Rs)	QTY	AMOUNT (Rs)
	While selecting the duct supports vendor shall ensure vibration free installation. Quoted price shall be inclusive of light testing with complete arrangement & accessories for leakages. Quoted price shall be inclusive of necessary scaffolding charges towards installation of supply/exhaust air ducts outside or within building wherever required. Quoted price should also include necessary charges towards duct supports including MS angle/channel arrangement as required for ducts being installed outside or within building wherever required.											
	All duct construction and installation shall be in accordance with SMACNA standards. In addition ducts shall be factory fabricated utilizing the following machines to provide the requisite quality of ducts.											
a	24 G-GSS-0.63MM (1MM TO 250MM) - C B SS	Sqm	R.only									
b	24 G-GSS-0.63MM (251MM TO 1000MM) - TDF Flanges	Sqm	105	1800	1,89,000.00	108.40	-	-	108.00	1,89,000.00	3.40	8120
c	22 G-GSS-0.80MM (1001MM TO 1200MM) - TDF Flanges, Guide Vanes & Stiffeners Rods	Sqm	2	2000	4,000.00	2.00	-	-	2.00	4,000.00	-	0
d	20 G-GSS-1.00MM (1201MM TO 1300MM) - TDF Flanges, Guide Vanes & Stiffeners Rods	Sqm	R.only									
e	18 G-GSS-1.25MM (1301MM TO Above) - TDF Flanges, Guide Vanes & Stiffeners Rods	Sqm	R.only									
15.0 DUCT INSULATION MATERIALS												
15.1 THERMAL INSULATION FOR DUCTWORKS												
	Supply, Installation, Testing & Commissioning of Thermal Insulation closed cell elastomeric nitrile rubber insulation manufactured as per ASTM E 84 test with density between 40-60 kg / m ³ (External and Internal) for spiral duct, Material shall be FM GLOBAL approved, food grade material with antimicrobial properties, Class '0'. Insulation material should meet NFPA 90A supplementary materials for air distribution system which should not absorb less 0.2% water by volume (ASTM c 209), should not support microbial growth (ASTM C1071, G21, G22) and should emit objectionable odors (ASTM C 665) and should have thermal conductivity of 0.27 (R = 2.78 in 3.4" thickness) and water vapor permeance of 0.10. Scope shall include the cost for aluminium foil which to be laid over the thermal insulation. Aluminium foil shall provide protection against scratches.											
	Insulation material shall be bonded with the ducts using metal screw and washers to facilitate grip to the GI sheet. Insulation materials brought on site should be installed following the manufacturer recommended methodology and using the appropriately suitable manufacturer recommended cutting, measuring, pasting tools & tackles. It is advised to use the manufacturer's tool box for installation of insulation materials on site.											
a	9mm thick	Sqm	R.only									
b	13mm thick	Sqm	65	105	6,825.00	62.40	-	-	62.40	6,862.00	-2.60	-273
15.2 ACOUSTIC INSULATION FOR DUCTWORKS												

SR.NO.	DESCRIPTION	UNIT	PO QTY	PO RATE (Rs)	PO AMOUNT (Rs)	TOTAL EXECUTED QTY	RA - 1		RA - 2 (Current Bill)		VARIATION	
							QTY	AMOUNT (Rs)	QTY	AMOUNT (Rs)	QTY	AMOUNT (Rs)
	SITC of Internal acoustic lining within air ducts plenum with open cell 10mm thick Elastomeric nitrile rubber insulation manufactured as per ASTM E 84 test with density 140- 180 kg / m ³ . Material shall be FM rated as per the approved shop drawings / specifications. Insulation material should meet NFPA 90A supplementary materials for air distribution system which should not absorb less than 0.2% water by volume (ASTM C 209), should not support microbial growth (ASTM C1071, G21, G22) and should emit objectionable odors (ASTM C 665) and should have thermal conductivity of 0.27 (R - 2.78 In 3.4" thickness) and water vapor permeance of 0.10. - Class "1" Material.											
	Insulation sheets should have self-adhesive backing for faster installation and better quality. The adhesive used in self-adhesive backing should be Fire Retardant, LEED compliant and zero VOC.											
	Insulation material shall be bonded with the ducts using metal screw and washers to facilitate grip to the GI sheet. Insulation materials brought on site should be installed following the manufacturer recommended methodology and using the appropriately suitable manufacturer recommended cutting, measuring, pasting tools & tackles. It is advised to use the manufacturer's tool box for installation of insulation materials on site.											
a	10mm thick-acoustic insulation for main duct outlets as per HVAC drawings	Sqm	7	3450	24,150.00	6.85	-	-	6.85	23,632.50	-0.15	-517.5
b	20mm thick-acoustic insulation for main duct outlets as per HVAC drawings	Sqm	R.only				-					
16.0 AIR DISTRIBUTION DEVICES												
16.1 MANUAL TYPE VOLUME CONTROL DAMPERS												
a	Supply, Installation, Testing & Commissioning of Volume Control Dampers made out of 100 x 40 x 1.55 mm thick galvanized steel frame and blades of 1.55 mm galvanized sheet steel.	Sqm	0.7	4500	3,150.00	0.70	-	-	0.70	3,180.00	-	0
16.2 ALUMINIUM COLLAR DAMPERS												
a	Supply, Installation, Testing & Commissioning of Collar Dampers of neck damper of opposed blade type made out of Aluminium alloy extrusion with anodised matt black finish (AL blade thickness 1.0mm, Border thickness-1.3 MM). Qty is for Supply air grilles	Sqm	1.7	4500	7,650.00	1.70	-	-	1.70	7,660.00	-	0
16.3 CONTINUOUS LINEAR GRILLE												
	Supply, Installation, Testing & Commissioning of Extruded Al. powder coated continuous, discrete grilles for supply & return air distribution of 100 to 600 mm wide with 0 / 15 / 30 / 45 deg (AL frame thickness 1.2MM, Louver thickness-3 MM). Deflection as specified in the approved shop drawings. Grilles complete with integral flanges on both sides & ends as required complete with corner pieces. (colour for the grill to be confirmed by Arch/ PMC team before placing the order)											
a	150mm wide	Nos	21	1100	23,100.00	21.00	-	-	21.00	23,100.00	-	0
16.4 POWDER COATED ALUMINIUM GRILLES- FOR EXHAUST AIR & FRESH AIR APPLICATION												

SR. NO.	DESCRIPTION	UNIT	PO QTY	PO RATE (Rs)	PO AMOUNT (Rs)	TOTAL EXECUTED QTY	RA - 1		RA - 2 (Current Bill)		VARIATION	
							QTY	AMOUNT (Rs)	QTY	AMOUNT (Rs)	QTY	AMOUNT (Rs)
	15% of Intense acoustic lining within air ducts plenum with open cell 10mm thick Elastomeric nitrile rubber insulation manufactured as per ASTM E 84 test with density (40-180 kg / m ³). Material shall be FR rated as per the approved shop drawings / specifications. Insulation materials should meet NFPA 80A supplementary materials for an absorber system, which should not absorb less 0.2% water by volume (ASTM C 209), should not support microbial growth (ASTM G 21, G 22) and should emit objectionable odors (ASTM C 665) and should have thermal conductivity of 0.27 (R = 2.78 in 3/4" thickness) and water vapor permeance of 0.10 - Class 1 Material.											
	Insulation sheets should have self-adhesive backing for faster installation and better quality. The adhesive used in self-adhesive backing should be Fire Retardant, LEED compliant and zero VOC.											
	Insulation material shall be bonded with the ducts using metal screw and washers to facilitate grip to the GI sheet insulation materials brought on site should be installed following the manufacturer recommended methodology and using the appropriately suitable manufacturer recommended cutting, measuring, pasting tools & tackles. It is advised to use the manufacturer's tool box for installation of insulation materials on site.											
4	10mm thick-acoustic Insulation for main duct outlets as per HVAC drawings	Sqm	7	3450	24,150.00	6.85	-	-	6.85	23,832.60	-0.15	-517.5
5	20mm thick-acoustic Insulation for main duct outlets as per HVAC drawings	Sqm	R.only				-					
16.0 AIR DISTRIBUTION DEVICES												
16.1 MANUAL TYPE VOLUME CONTROL DAMPERS												
4	Supply, Installation, Testing & Commissioning of Volume Control Dampers made out of 100 x 40 x 1.55 mm thick galvanised steel frame and blades of 1.55 mm galvanised sheet steel.	Sqm	0.7	4500	3,150.00	0.70	-	-	0.70	3,180.00	-	0
16.2 ALUMINIUM COLLAR DAMPERS												
4	Supply, Installation, Testing & Commissioning of Collar Dampers or neck damper of opposed blade type made out of Aluminium alloy extrusion with anodised matt black finish (AL blade thickness 1.0mm, Border thickness-1.3 MM). Qty is for Supply air grilles	Sqm	1.7	4500	7,650.00	1.70	-	-	1.70	7,660.00	-	0
16.3 CONTINUOUS LINEAR GRILLE												
	Supply, Installation, Testing & Commissioning of Extruded AL powder coated continuous, discrete grilles for supply & return air distribution of 100 to 600 mm wide with 0 / 15 / 30 / 45 deg (AL frame thickness 1.2MM, Louver thickness-3 MM). Deflection as specified in the approved shop drawings. Grilles complete with integral flanges on both sides & ends as required complete with corner pieces. (colour for the grill to be confirmed by Arch / PWC team before placing the order)											
4	150mm wide	Nos	21	1100	23,100.00	21.00	-	-	21.00	23,100.00	-	0
16.4 POWDER COATED ALUMINIUM GRILLES- FOR EXHAUST AIR & FRESH AIR APPLICATION												

SR.NO.	DESCRIPTION	UNIT	PO QTY	PO RATE (Rs)	PO AMOUNT (Rs)	TOTAL EXECUTED QTY	RA - 1		RA - 2 (Current Bill)		VARIATION	
							QTY	AMOUNT (Rs)	QTY	AMOUNT (Rs)	QTY	AMOUNT (Rs)
4	Supply installation testing and commissioning of addressable hooded cum STROBE along with its control modules complete with all fixing materials.	Nos	1	4500	4,500.00	1.00	-	-	1.00	4,500.00	-	0
5	Supply and installation of analogue addressable type Manual call points with Glass and hammer and monitor module with complete fixing accessories also with self illuminated signage	Nos	1	4100	4,100.00	1.00	-	-	1.00	4,100.00	-	0
6	Supply and installation of Short circuit Fault Isolators @ 20 breakers with complete fixing accessories	Nos	RO									
7	Supply and installation of Monitor Module with complete fixing accessories	Nos	1	6000	6,000.00	1.00	-	-	1.00	6,000.00	-	0
8	Supply and installation of Control Relay Module with complete fixing accessories	Nos	1	4800	4,800.00	1.00	-	-	1.00	4,800.00	-	0
9	Supply and laying of PVC insulated 2C x 1.5sq mm shielded armored PRLS copper cable (RED COLUR) including cable glands and all fixing accessories where ever required complete with end terminations at both sides. The colour of the cable shall be RED only. (Shall be as actuals)	Rmtrs	50	70	3,500.00	48.30	-	-	48.30	3,381.00	-1.70	-119
10	Supply installation testing and commissioning of Addressable fire alarm Panel which consists of display board which will have 160 Character Display with Touch key pad. Mother board which will have ARM CORTEX M3 32 Bit Processor, Inbuilt RS-485 Networking Circuit for peer to peer networking, Inbuilt USB 2.0 Port for upload and download the Configuration tools, Two inbuilt programmable inputs, Two inbuilt NAC's and Three Programmable Relays, and 4 Loop Card circuits power Supply, Installation and Commissioning Board which will have SMPS fully protected board, which its operates on 120 to 220V AC ± 10% with 5000-mA battery backup 24V DC with built-in charger, the panel have IP-67 rating Optional for BMS integration thru MODBUS converter, Graphics Software, Software for TCP/IP Module, provision for GSM based Auto dialler, provision for printer thru compatible module, fire alarm panel with battery backup for 6 hours operation with battery charger, alarm bell, test buttons etc.											0
11	2 loop panel	Nos	1	47500	47,500.00	1.00	-	-	1.00	47,500.00	-	0
12	4 loop panel	Nos	RO									0
13	1 B.T.C of hand held Fire Extinguisher - ABC Powder - 6 Kg with floor mount accessories	Nos	2	7000	14,000.00	2.00	-	-	2.00	14,000.00	-	0
14	1 B.T.C of hand held Fire Extinguisher - CO2 - 4.5 Kg with floor mount accessories	Nos	2	12000	24,000.00	2.00	-	-	2.00	24,000.00	-	0
15	Supply installation testing and commissioning of Emergency Exit - LED Battery Backup 180Ah	Nos	0	0	-	-	-	-	-	-	-	0
16	Supply installation testing and commissioning of Fire Exit - LED Battery Backup 180Ah	Nos	3	3000	9,000.00	3.00	-	-	3.00	9,000.00	-	0
17	Supply installation testing and commissioning of Exit - LED Battery Backup 180Ah	Nos	0									0
18	IPK System Module											0
19	Supply and installation testing and commissioning of 6 Watt 180mm dia Surface mountable white colour speakers along with all fixing accessories	Nos	0									0
20	Supply and installation testing and commissioning of 6 Watt Parabolic mountable Ceiling speakers along with all fixing accessories	Nos	4	6400	25,600.00	4.00	-	-	4.00	28,600.00	-	0
21	Supply and laying of shielded twin twisted pair 1.0 sqmm cable in separating conduit. (Shall be as actuals)	Rmtrs	50	90	4,500.00	48.90	-	-	48.90	4,401.00	-1.10	-99

SR.NO.	DESCRIPTION	UNIT	PO QTY	PO RATE (Rs)	PO AMOUNT (Rs)	TOTAL EXECUTED QTY	RA - 1		RA - 2 (Current Bill)		VARIATION	
							QTY	AMOUNT (Rs)	QTY	AMOUNT (Rs)	QTY	AMOUNT (Rs)
2.4	Supply and fixing of 20mm dia heavy gauge GI conduit concealed in wall above false ceiling for taking copper wires including all accessories such as Conduit junction boxes, bends etc as required (Shall be on actuals)	Rmtrs	40	210	8,400.00	39.20	-	-	39.20	8,232.00	-0.80	-168
2.5	Mixer Amplifier -240W with Pre recorded Message ,Music System etc complete in a PA rack (The rate to include the Cost of rack and other required accessories)	Nos	RO				-	-				
2.6	Mixer Amplifier -120W with Pre recorded Message ,Music System etc complete in a PA rack (The rate to include the Cost of rack and other required accessories)	Nos	1	75000	75,000.00	1.00	-	-	1.00	75,000.00	-	0
FIRE ALARM SYSTEM - TOTAL					2,55,100.00				2,54,714.00			-386.00
FIRE SPRINKLER SYSTEM												
3.1	Supply, installation, testing and commissioning of G.I Heavy											
a	150mm nominal dia	Rmtrs	0									
b	100mm nominal dia	Rmtrs	0									
c	80mm nominal dia	Rmtrs	0									
d	65mm nominal dia	Rmtrs	0									
e	50mm nominal dia	Rmtrs	0									
f	40mm nominal dia	Rmtrs	0									
g	32mm nominal dia	Rmtrs	3	600	1,800.00	4.20	-	-	3.00	1,800.00	1.20	720
h	25mm nominal dia	Rmtrs	30	500	15,000.00	32.10	-	-	30.00	16,000.00	2.10	1050
3.2	Supplying, installing, testing and commissioning conventional Standard Response Sprinkler quartzoid bulb type with 15mm screwed end connection of 68 deg. C. temperature rating, K-Factor =5.6 GPM/pal ^{1/2} (80.6 LPM/bar ^{1/2}) and orifice shall not be less than 6mm. Sprinklers shall be UL Listed / BIS approved with Chrome finished											
a	Pendent Sprinkler	Nos	RO				-	-				
b	Upright Sprinkler	Nos	RO				-	-				
c	Concealed Sprinkler	Nos	16	3000	48,000.00	16.00	-	-	16.00	48,000.00	-	0
3.3	Stainless steel corrugated flexible pipe(hose) for dropping sprinklers below false ceiling, pipe shall be 16 bar pressure rating and 1500 mm long, 25 mm dia with union / reducer collar, clamps etc. as required.	Nos	16	1800	28,800.00	16.00	-	-	16.00	28,800.00	-	0
3.4	Supply & fixing of approved type rosette plates (Recessed type, in two piece) for Sprinklers below false ceiling area.	Nos	16	90	1,440.00	16.00	-	-	16.00	1,440.00	-	0
3.5	Supply and installation, Testing and Commissioning of CI butterfly valves (body conforming to IS 210 GR FG 200) slim seal standard lever operated type conforming to IS13039/BS5155 with required flanges, nuts, bolts etc complete with supervisory tamper switch for monitoring. The valves shall be suitable for 150 psi pressure rating. Tamper Switch equipped with 2 Nos. of NO-NC contacts for monitoring											
a	150 mm dia	Nos	RO									
b	85 mm dia	Nos	RO									
c	65 mm dia	Nos	RO									
3.6	Fire Sprinkler Pipe Modification Works (Extending the branch pipe as per proposed interior layout wherever required and removal of existing rigid droppers)	Lot	RO									
FIRE SPRINKLER SYSTEM - TOTAL					95,040.00				95,040.00			1,770.00

