

Tax Invoice

e-Invoice



IRN : 2d6b77822c21e4cd3dc08920176b3934d4ddeef28cb2-03d1bb20a9da73e513f4
 Ack No. : 122423178766986
 Ack Date : 21-Sep-24

ARIHANT INFRACON 4th Floor Office No. 406A Wing, Golden Asle, Royal Palms, Aarey Milk Colony, S No. 69PT, Goregaon East, Mumbai-400065 GSTIN/UIN: 27AAQFA6457P1ZK State Name : Maharashtra, Code : 27 E-Mail : mail@arihantinfracon.com Consignee (Ship to)		Invoice No. AI/MUM/003/24-25	Dated 21-Sep-24			
Semolina Kitchens Private Limited GVK Lounge- International CIP Lounge West Side, Terminal-2, Chhatrapati Shivaji, International Airport, Santacruz East, Mumbai City, Maharashtra-400099 GSTIN/UIN : 27ABICS8699F1ZJ State Name : Maharashtra, Code : 27 Buyer (Bill to)		Delivery Note Mode/Terms of Payment 10 Days	Buyer's Order No. Semolina/PO/24-25/000687	Dated 29-Jul-24		
Semolina Kitchens Private Limited 1st Floor, Block A, South Wing, Shiv Sagar Estate, Dr Annie Besant Road, Worli, Mumbai City, Maharashtra-400018 GSTIN/UIN : 27ABICS8699F1ZJ State Name : Maharashtra, Code : 27		Dispatch Doc No. Delivery Note Date	Dispatched through Destination			
Terms of Delivery						
SI No.	Particulars	HSN/SAC	Quantity	Rate	per	Amount
1	Civil & Interior at Aj Kitchen Fitout Work Civil & Interior at Aj Kitchen Fitout Work at GVK Lounge-International CIP Lounge at CSIA, Mumbai	995419				27,03,515.24
	Outward SGST				9 %	2,43,316.37
	Outward CGST				9 %	2,43,316.37
	Total					₹ 31,90,147.98
Amount Chargeable (in words)						E. & O.E
INR Thirty One Lakh Ninety Thousand One Hundred Forty Seven and Ninety Eight paise Only						
HSN/SAC		Taxable Value	CGST		SGST/UTGST	
			Rate	Amount	Rate	Amount
995419		27,03,515.24	9%	2,43,316.37	9%	2,43,316.37
Total		27,03,515.24		2,43,316.37		2,43,316.37
						4,86,632.74
						4,86,632.74
Tax Amount (in words) : INR Four Lakh Eighty Six Thousand Six Hundred Thirty Two and Seventy Four paise Only						
for ARIHANT INFRACON						
Authorised Signatory						

This is a Computer Generated Invoice

Handwritten signature and date
 23/9/24
 AJ BBS
 1st RABill.



SR.NO.	DESCRIPTION	UNIT	PO QTY	PO RATE (Rs)	PO AMOUNT (Rs)	RA - 1 (Current Bill)		VARIATION		REMARKS
						QTY	AMOUNT (Rs)	QTY	AMOUNT (Rs)	
ARCHITECTURE										
Partition walls										
1.00	Supply and installation of fire rated calcium silicate board Partition Wall with the necessary supports, fittings and fixtures (excluding final finishes).	SQM	44.17	1,700.00	75,080.50	44.17	75,091.04	0.01	10.54	
1.01	Purposed 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	75,080.50	44.17	75,091.04	0.01	10.54	
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). Purposed 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	53,824.00	26.91	53,819.40	-0.00	-4.6	
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). Purposed 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	85,874.40	47.73	85,914.00	0.02	39.6	
1.04	Supply and installation of 65mm 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). Purposed 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	1,23,210.00	18.45	33210	

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						AMOUNT (Rs)	QTY				

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. 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	5800.00	1,87,937.40	32.40	1,87,920.00	-0.00	-17.4		
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 SBS Bituminous membrane with 24-hour water ponding test including the sealing of Cores in the slab/walls (inspected and approved from airports team).	SQM	44.14	1200.00	52,965.12	44.14	52,968.00	0.00	2.88		
2.03	Supply and installation of self levelling with all necessary items; all in accordance with drawings.	SQM	83.28	1,585.00	1,31,991.67	83.28	1,31,998.80	0.00	7.1325		
2.04	Supply and installation of anti-skid 600 x 600 mm white floor tile in the kitchen & FoI wash area as per the drawings and renders. Note: Material to be approved by Clients team.	SQM	14.07	2,500.00	35,175.00	14.04	35,100.00	-0.03	-75		
2.05	Supply and installation of Stone Plastic Composite (SPC) flooring in the FOH dining area; colour & design as per drawings & render. Note: material to be approved by Clients Team	SQM	47.25	2,800.00	1,32,300.00	47.25	1,32,300.00	-	0		
2.06	Supply and installation of anti skid 300 x 300 mm designer floor tile in the FOH area; colour & design as per drawings & render. Note: material to be approved by Clients Team	SQM	23.63	2,700.00	63,787.50	23.63	63,801.00	0.00	13.5		
3.00	SKIRTING										
3.01	supply & installation of 100mm wooden skirting matching wall color as per the renders & drawings. Note: material to be approved by Clients Team	RM	21.67	4,300.00	93,181.00	10.84	46,690.60	-10.84	-46590.5		50% claimed in RA 1
4.00	WALL FINISHES										
8	FOH & Dining areas										

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4.04	Supply & installation of WOODEN MOULDING STRIP finished with paint of approved colour on the walls of Dining & FOH area as per drawings and renders. <i>Note: Material to be approved by clients Team</i>	RM	168.71	500.00	84,357.00	84.36	42,178.50	-84.36	-42178.5	50% claimed in RA 1
6.00	CEILING WORKS									
6.03	Supply and Installation of fire rated Gypsum false ceiling with cove (for cove lights provision) in the the FOH & dining area with paint of approved color with necessary support, fixtures & accessories as per drawings & renders, refer to RCP layout. Including access panel//door as per the MEP services and Cutting & finishing for the AC grill/diffuser and lights. <i>Note: Material to be approved by Clients Team. Running meter of cove has included in total quantity (24.67m+9.32m)</i>	SQM	67.86	1,800.00	1,22,146.20	32.93	59,274.00	-34.93	-62872.2	50% claimed in RA 1
	JOINERY WORKS									
1.00	CHAIRS & BANQUETTE SEATING									
1.01	Customer Dining Chair : Supply of Chair, inner side of chair in upholstery designer fabric of approved design and color, outer side of chair in upholstery of approved grey fabric, MS tube legs finished in golden powder coat. Dimensions, color & design as per the drawings and renders. <i>Note: Samples to be submitted by contractor</i>	PCS	24.00	12,500.00	3,00,000.00	12.00	1,50,000.00	-12.00	-150000	50% claimed in RA 1
1.02	Banquett Seating : Supply and installation of BANQUETTE SEATING MADE OF CUSHION FINISHED WITH LEATHER OF APPROVED COLOUR with 18mm THK MR MDF FINISHED LEATHER OF APPROVED COLOUR as per the drawings & renders. Size: L 11280 mm Dimensions, color & design as per the drawings and renders. <i>Note: Samples to be submitted by contractor.</i>	PCS	1.00	1,80,000.00	1,80,000.00	0.50	90,000.00	-0.50	-90000	50% claimed in RA 1

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2.01	<p>Customer Dining Table: Supply and Installation of Table made up of 20mm thick Corian tabletop of approved color with 2 mm thick MS tube legs finished in black powder coat and gold power coat, 6mm thick Golden metal embedded in the sides of tabletop, leg base with 6mm thick steel plate in gold powder coat finish as per the drawings and renders.</p> <p>Note: Samples to be submitted by contractor Dimensions, color & design as per the drawings and renders.</p>									50% claimed in RA 1
	650L x 650W x 750H mm	PCS	18.00	28,000.00	5,04,000.00	9.00	2,52,000.00	-9.00	-252000	
3.00	JOINERY									
3.01	<p>Supply & installation of "FOH counter" made up of 18mm thick MR-MDF structured, with 12mm thick Corian material finish on top; and sides finished by stucco paint of RAL 4008 color and with black metal strips and cove lighting, 20mm wide black metal strips placed on the top of stucco finish with 20mm spacing 12mm thick corian skirting, 30mm dia 75mm high from centre guard rail finished with gold colour, 18mm THK MR MDF Partition wall 1100mm high finished with Oak wood veneer 18mm THK MR MDF swing door finish with oak wood veneer, 18mm THK MR MDF Planter box above counter sides finished with Oak wood Veneer and top with Corian of approved design Adjustable 2 layer open shelf finished with approved white laminate, 3 layer adjustable shelf inner side finished with approved white laminate and outer with Oak wood veneer, Open spaces for display units, All inner sides of the counter are to be finished with white laminate, and all necessary support, fittings, and accessories as per approved drawings and renders. Space/provisions are to be provided to accommodate the equipment inside the counter as shown in the drawings and renders.</p> <p>Note: Actual countertop material sample shall be submitted by the contractor</p>	NOS	1.00	5,20,000.00	5,20,000.00	0.50	2,60,000.00	-0.50	-260000	50% claimed in RA 1
4.00	PLANTER BOXES & ARTIFICIAL PLANTS									

NO.	DESCRIPTION	UNIT	PO QTY	PO RATE (Rs)	PO AMOUNT (Rs)	RA - 1 (Current Bill)		VARIATION		REMARKS
						QTY	AMOUNT (Rs)	QTY	AMOUNT (Rs)	
4.01	Supply & installation of planter box with fire rated artificial plants with the 18mm thick MDF finished with laminate of approved color, 10mm thick wooden moulding, 6mm thick Corian cladding with 4mm grove & naturally looking artificial fire rated plant as per drawings and renders. Size: 600 x 300 x 800 mm Dimensions, color & design as per the drawings and renders. <i>Note: Samples shall be submitted by contractor.</i>	NOS	2.00	31,500.00	63,000.00	2.00	63,000.00	-	0	
PLUMBING										
B	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	950	28,500.00	30.00	28,500.00	-	0	
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									
2.1	40mm dia	Rm	10	1250	12,500.00	10.00	12,500.00	-	0	

O.	DESCRIPTION	UNIT	PO QTY	PO RATE (Rs)	PO AMOUNT (Rs)	RA - 1 (Current Bill)		VARIATION		REMARKS
						QTY	AMOUNT (Rs)	QTY	AMOUNT (Rs)	
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.									
5.2	300mm wide Drain Channel	Nos	3	8500	25,500.00	3.00	25,500.00	-	0	
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 D2846 / D2846M - 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	200	26,000.00	130.00	26,000.00	-	0	
1.2	20 mm nominal dia	Rm	3			3.00				
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	1100	1,100.00	1.00	1,100.00	-	0	
2.2	20 mm nominal dia	Nos	1	1900	1,900.00	1.00	1,900.00	-	0	
	ELECTRICAL									
3.1	Low voltage Aluminium conductor cables									

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						QTY	AMOUNT (Rs)	QTY	AMOUNT (Rs)	
	Supply and laying of 1100 V grade, XLPE insulated extruded PVC Inner Sheathed and extruded FRLS-PVC Outer sheathed , aluminium conductor, Armoured power cable as per specifications. The cable shall be laid in indoor trenches / cable trays as required. The cable shall be clamped at regular intervals to the supports in trench or to cable trays or brick wall using MS clamps and fasteners. Rate shall exclude the cost of cable trays and termination in this item.									
	NOTE: Cables will not be procured based on BOQ only. True measurements will be taken by Contractor before ordering, based on Drawings/ Site actual requirements (Applicable to all respect Line items)									
a	3.5CX 50Sqmm Alu.arm Cable	Rmt	30	350	10,500.00	30.00	10,500.00	-	0	
e	4CX 10Sqmm Alu.arm Cable	Rmt	15	250	3,750.00	15.00	3,750.00	-	0	
3.2	Low Voltage Copper Conductor Cables									
	Supply and laying of 1100 V grade, XLPE insulated,extruded PVC Inner Sheathed and extruded FRLS-PVC Outer sheathed copper conductor, Armoured/Un armoured power cable as per specifications. The cable shall be laid in indoor trenches / cable trays as required. The cable shall be clamped at regular intervals to the supports in trench or to cable trays or brick wall using MS clamps and fasteners. Rate shall exclude the cost of cable trays and termination in this item.									
	Armoured Copper Cables :									
a	4Cx 16sqmm Cu Arm Cable	Rmt	15	300	4,500.00	15.00	4,500.00	-	0	
b	4Cx 6sqmm Cu Arm Cable	Rmt	15	450	6,750.00	15.00	6,750.00	-	0	
c	4Cx 4sqmm Cu Arm Cable	Rmt	20	250	5,000.00	20.00	5,000.00	-	0	
e	3Cx 4sqmm Cu Arm. Cable	Rmt	20	180	3,600.00	20.00	3,600.00	-	0	
3.3	Copper Flexible Cables :									
a	3Cx6sqmm Cu Flexible Cable	Rmt	20	330	6,600.00	20.00	6,600.00	-	0	
3.4	LOW VOLTAGE CABLE END TERMINATION:									

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	Supply and providing LV cable end termination for below listed cable with copper lugs, brass cable glands, tapping, crimping, etc. complete. Single Compression Glands : Cable Size Below 150 Sqmm Double Compression Glands : Cable size above 185sqmm and Single core cables 400sqmm and above									
a	3.5CX 50 Sqmm Alu.arm Cable	Nos	2	300	600.00	2.00	600.00	-	0	
e	4CX 10Sqmm Alu.arm Cable	Nos	2	300	600.00	2.00	600.00	-	0	
3.5	Armoured Copper Cables :									
a	4Cx 16sqmm Cu Arm Cable	Nos	2	300	600.00	2.00	600.00	-	0	
b	4Cx 6sqmm Cu Arm Cable	Nos	2	300	600.00	2.00	600.00	-	0	
c	4Cx 4sqmm Cu Arm Cable	Nos	2	300	600.00	2.00	600.00	-	0	
e	3Cx 4sqmm Cu Arm. Cable	Nos	2	300	600.00	2.00	600.00	-	0	
3.6	Copper Flexible Cables :									
a	3Cx6sqmm Cu Flexible Cable	Nos	8	300	2,400.00	8.00	2,400.00	-	0	
5	CIRCUIT MAINS									
	CIRCUIT MAIN FOR LIGHTING/POWER :									
	Supply and drawing of 1100V grade, multi strand FRLS insulated copper conductor wire, drawn into existing raceways/cable trays with necessary fixing accessories.									
5.1	3 core 1.5 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	35	165	5,775.00	35.00	5,775.00	-	0	
5.2	3 core 2.5 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	75	185	13,875.00	75.00	13,875.00	-	0	
5.3	3 core 4 sqmm Double Insulated Copper copper conductor flexible cable with FRLS Sheathing in the existing raceways/conduit. Rate shall exclude the cost of Raceway/conduit in this items.	Rmtrs	150	225	33,750.00	150.00	33,750.00	-	0	
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	3,06,250.00	-	0	

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5.6	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	11,250.00	-	0	
6	POINT WIRING									
	Point wiring of light, using 1100 volt grade, 3Rx1.5Sqmm multi 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	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	70,000.00	-	0	
7	CABLE TRAY/RACEWAYS									
7.2	Perforated Type									
	Supply and providing MS Perforated cable trays factory fabricated out of 2mm thick pre galvanized sheet steel, channel size 50 mm 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									

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						QTY	AMOUNT (Rs)	QTY	AMOUNT (Rs)	
6	200 mm wide 50 mm height	Rmtrs	25	830	20,750.00	25.00	20,750.00	-	0	
7.7	POWDER COATED FRAME FOR MCB DB's									
a	Supply and Installation of DB Frame with wire ways shall be made out of 1.6mm thick CRCA sheet steel and powder coating colour shall match the colour of MCB DB's with hinged type door. 100mm x 100mm 1.6mm thick. wire ways / Raceway with 2mm thick screwed / press to fit cover with hinged type door for making Frame for MCB DB's. Complete required including installation accessories.	Rmtrs	15	900	13,500.00	15.00	13,500.00	-	0	
								-	0	
8	EARTHING							-	0	
								-	0	
8.3	Supply and running of below listed sizes of electrolytic copper / GI earth conductor tapes / wires and laid along with cable or clamped to brick wall, etc., as required.							-	0	
a	6 SWG GI wire for Earthing	Rmtrs	40	240	9,600.00	40.00	9,600.00	-	0	
b	25x3mm GI Flat	Rmtrs	25	190	4,750.00	25.00	4,750.00	-	0	
d	1Cx6sqmm Cu Flexible Cable Earthing (Green)	Rmtrs	75	100	7,500.00	75.00	7,500.00	-	0	
e	1Cx4sqmm Cu Flexible Cable Earthing (Green)	Rmtrs	50	95	4,750.00	50.00	4,750.00	-	0	
8.4	Supply and installation of Earth pads made out of copper/GI busbars installed on 1100 V insulators including hardware and other minor civil works. associated works.									
c	Busbar of 0.5 Mtr length made out of 45 x 6 mm GI strip with drill holes of M8 at 25mm interval mounted on insulators.	Nos	1	2000	2,000.00	1.00	2,000.00	-	0	
9	PVC pipes (Electrical/IT/AV/CCTV/ACS)									
	GI pipes (Electrical/IT/AV/CCTV/ACS)									
9.2	Supply and laying of 2 mm thick rigid MS conduits in concealed/Open conduit system using conduit accessories like junction boxes, collars, bends, elbows, binding wires, etc.									
								-	0	
a	32 mm dia conduit	Rmtrs	10	200	2,000.00	10.00	2,000.00	-	0	
b	25 mm dia conduit	Rmtrs	125	170	21,250.00	125.00	21,250.00	-	0	
c	20 mm dia conduit	Rmtrs	80	140	11,200.00	80.00	11,200.00	-	0	
						-		-	0	
17.0	ELEV WORKS									
1	IT/NETWORKING :									
1.1	4-pair, Cat 6 UTP FRLS Cable	Mtrs	175	80	14,000.00	87.50	7,000.00			

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1.2	Cat 6 UTP Information Outlet for Workstation end	Nos	8	300	2,400.00	4.00	1,200.00			50% claimed in RA 1
1.3	Cat 6 RJ45-RJ45 UTP Patch Cords, color matched, Yellow - Workstation end, 7 ft	Nos	8	550	4,400.00	4.00	2,200.00			
1.4	Single Face Plates	Nos	8	500	4,000.00	4.00	2,000.00			
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	4.00	4,800.00			
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	0.50	1,500.00			
9	06 U wall mount rack with required mounting accessories, Rate shall include required accessories, tools etc., complete as required.	No	1	7000	7,000.00	0.50	3,500.00			
2	CCTV :									
1	Supply, installation, testing and Commissioning of UL approved, IP based Dome Indoor type 5MP, HD Dome camera	Nos	5	3500	17,500.00	2.50	8,750.00			50% claimed in RA 1
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	0.50	8,000.00			
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	50.00	4,000.00			
5	Cat 6 Single Information Outlets including faceplates and backbox accessories.	Nos	5	300	1,500.00	2.50	750.00			
8	Cat 6, PoE 4ft Gigabit Snagless Molded Patch Cable (RJ-45 Male) with factory crimping, these patch cords will suffice for connecting between Data Outlet & CCTV (100%)	No	5	3500	17,500.00	2.50	8,750.00			
	HVAC									
17.0	ELECTROSTATIC DRY SCRUBBER FOR KITCHEN EXHAUST OF 3600 CFM.									

DESCRIPTION	UNIT	PO QTY	PO RATE (Rs)	PO AMOUNT (Rs)	RA - 1 (Current Bill)		VARIATION		REMARKS
					QTY	AMOUNT (Rs)	QTY	AMOUNT (Rs)	
Supply, installation, testing & Commissioning of Electro- Static DRY scrubber for the above exhaust rating of 3600 CFM. The vendor shall include the Pressure drop to be 20mm Wg, works with necessary valve arrangement. The scope of supply should include complete system for Electrostatic Dry scrubber operation. It shall also include the carbon filters for residual carbon content removal. The Electrostatic Air Cleaners shall be supplied as a one-piece factory joined assembly of individual section(s) selected to treat oil mist, smoke, fume, grease & dust/ powder problems.									
Housing shall be constructed with minimum 1.6mm thick steel sheet with reinforced structure & powder coated to protect against rust and corrosion. It shall have a hinged door for cell access, located one side of the unit. The door shall be gasketed to prevent air leakage. There shall be a safety interlock switch to cut off primary supply when the access door is opened. The external finish shall be a durable industrial grade semi-gloss epoxy-polyester coating suitable for outdoor installations.									
Ionizing-Collecting cell(s) shall be of one-piece construction 13.38" (340mm) deep in direction of airflow. The dimension of the collection cell shall be 18.89" (480mm) H x 19.76" (502mm) W Max. All support framing, end plates and ionizer ground electrodes shall be 0.080 inch (2mm) thick aluminum. Both repelling and collector plates shall be 0.032 inch (0.8mm) thick aluminum alloy material rigidly retained in place with tubular spacers and tie rods. Each plate shall be corrugated, perpendicular to airflow direction. Spacing between plates shall be no less than 0.318 inch (8mm). Each cell shall weigh at least 17 kg with at least 8 stainless steel spiked blade ionizers. Tungsten wire ionizers will not be accepted									

Sl. No.	DESCRIPTION	UNIT	PO QTY	PO RATE (Rs)	PO AMOUNT (Rs)	RA - 1 (Current Bill)		VARIATION		REMARKS
						QTY	AMOUNT (Rs)	QTY	AMOUNT (Rs)	
	BMS (Building Management System) interface: The power supply (pack) shall have a 2 wire dry contacts (NO/NC) for remote link to Building Management System. This is for performance indication of the air cleaning system									
	Supply , Installation , Testing & Commissioning of Electro-static Dry Scrubber unit complete with all sections as listed above & detailed in tender drawings	LS	1	75000	75,000.00	0.50	37,500.00	-0.50	-37500	50% claimed in RA 1
						TOTAL	₹ 27,03,515.24			
						18% GST	₹ 4,86,632.74			
						TOTAL	₹ 31,90,147.98			



Sr. No.	1	Name of site In charge :					Ashish Nagar		
PO No.:	Semolina/PO/24-25/000687	Agency Name :					TFS		
PO Date :	29-07-2024	Date : 12-09-2024							
PO		Name of Work: AJ Kitchen Fit Out							
Measure	1	Period of work Executed : Aug'24							
Sr.No	Details of Work	Measurements					Total Qty	Claimable %	Claimabl Qty
		Unit	No.	Length	Breadth	Height			
									RA-1 (Current Bill)
	ARCHITECTURE								
1.00	Partition walls								
1.01	Supply and installation of fire rated calcium silicate board Partition Wall with the necessary supports, fittings and fixtures <i>(excluding final finishes)</i> . <i>Purposed height of kitchen partition wall is 4500 mm and pot wash room is 3150mm, it may be change as per site conditions .</i> <i>Note: Framing and double side board to be installed. Final Finishes price to be quoted in wall finishes section.</i>	SQM	1.00	11.62		3.80	44.17	100%	44.17
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 <i>(excluding final finishes)</i> . <i>Purposed height is 3150mm, it may be change as per site conditions.</i> <i>Note: Framing and single side board to be installed on existing wall. Final Finishes price to be quoted in wall finishes section.</i>	SQM	1.00	7.08		3.80	26.91	100%	26.91
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. <i>(excluding final finishes)</i> . <i>Purposed height is 3700mm, it may be change as per site conditions.</i> <i>Note: Framing and single side board to be installed on existing wall. Final Finishes price to be quoted in wall finishes section.</i>	SQM	1.00	12.90		3.70	47.73	100%	47.73

Sr.No	Details of Work	Measurements				Total Qty	Claimable %	Claimabl Qty	
		Unit	No.	Length	Breadth				Height
1.04	Supply and installation of 65mm 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 . <i>(excluding final finishes)</i> . Purposed 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	1.00	18.50		3.70	68.45	100%	68.45
2.00	FLOOR FINISHES								
2.01	150mm thick concrete floor screeding to raise the floor to accomodate 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	1.00			32.40	32.40	100%	32.40
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.								
2.02a	Wet Areas: 2 Layers of 4mm thick SBS Bituminous membrane with 24-hour water ponding test including the sealing of Cores in the slab/walls (inspected and approved from airports team).	SQM	1.00			44.14	44.14	100%	44.14
2.03	Supply and installation of self levelling with all necessary items; all in accordance with drawings.	SQM	1.00			83.28	83.28	100%	83.28
2.04	Supply and installation of anti-skid 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 Clients team.	SQM	1.00	5.20	2.70		14.04	100%	14.04
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 Clients Team	SQM	1.00			47.25	47.25	100%	47.25
2.06	Supply and installation of anti skid 300 x 300 mm designer floor tile in the FOH area; colour & design as per drawings & render. Note: material to be approved by Clients Team	SQM	1.00			23.63	23.63	100%	23.63
3.00	SKIRTING								

r.No	Details of Work	Measurements				Total Qty	Claimable %	Claimabi Qty	
		Unit	No.	Length	Breadth				Height
3.01	supply & installation of 100mm wooden skirting matching wall color as per the renders & drawings. <i>Note: material to be approved by Clients Team</i>	RM	1.00	21.67			21.67	50%	10.84
4.00	WALL FINISHES								
B	FOH & Dining areas								
4.04	Supply & installation of WOODEN MOULDING STRIP finished with paint of approved colour on the walls of Dining & FOH area as per drawings and renders. <i>Note: Material to be approved by clients Team</i>	RM	1.00	168.71			168.71	50%	84.36
6.00	CEILING WORKS								
6.03	Supply and Installation of fire rated Gypsum false ceiling with cove (for cove lights provision) in the the FOH & dining area with paint of approved color with necessary support, fixtures & accessories as per drawings & renders, refer to RCP layout. Including access panel/door as per the MEP services and Cutting & finishing for the AC grill/diffuser and lights. <i>Note: Material to be approved by Clients Team.</i> <i>Running meter of cove has included in total quantity (24.87m+9.32m)</i>	SQM	1.00			67.86	67.86	50%	33.93
	JOINERY WORKS								
1.00	CHAIRS & BANQUETTE SEATING								
1.01	Customer Dining Chair : Supply of Chair, inner side of chair in upholstery designer fabric of approved design and color, outer side of chair in upholstery of approved grey fabric, MS tube legs finished in golden powder coat. Dimensions, color & design as per the drawings and renders. <i>Note: Samples to be submitted by contractor</i>	PCS	24				24.00	50%	12.00
1.02	Banquett Seating : Supply and installation of BANQUETTE SEATING MADE OF CUSHION FINISHED WITH LEATHER OF APPROVED COLOUR with 18mm THK MR MDF FINISHED LEATHER OF APPROVED COLOUR as per the drawings & renders. Size: L 11280 mm Dimensions, color & design as per the drawings and renders. <i>Note: Samples to be submitted by contractor.</i>	PCS	1				1.00	50%	0.50
2.00	TABLE								

50%

r.No	Details of Work	Measurements					Total Qty	Claimable %	Claimabl Qty
		Unit	No.	Length	Breadth	Height			
2.01	<p>Customer Dining Table: Supply and Installation of Table made up of 20mm thick Corian tabletop of approved color with 2 mm thick MS tube legs finished in black powder coat and gold power coat, 6mm thick Golden metal embedded in the sides of tabletop, leg base with 6mm thick steel plate in gold powder coat finish as per the drawings and renders.</p> <p>Note: Samples to be submitted by contractor Dimensions, color & design as per the drawings and renders.</p>								
	650L x 650W x 750H mm	PCS	18.00				18.00	50%	9.00
3.00	JOINERY								
3.01	<p>Supply & installation of "FOH counter" made up of 18mm thick MR-MDF structured, with 12mm thick Corian material finish on top; and sides finished by stucco paint of RAL 4008 color and with black metal strips and cove lighting, 20mm wide black metal strips placed on the top of stucco finish with 20mm spacing 12mm thick corian skirting, 30mm dia 75mm high from centre guard rail finished with gold colour, 18mm THK MR MDF Partition wall 1100mm high finished with Oak wood veneer 18mm THK MR MDF swing door finish with oak wood veneer, 18mm THK MR MDF Planter box above counter sides finished with Oak wood Veneer and top with Corian of approved design Adjustable 2 layer open shelf finished with approved white laminate, 3 layer adjustable shelf inner side finished with approved white laminate and outer with Oak wood veneer, Open spaces for display units, All inner sides of the counter are to be finished with white laminate, and all necessary support, fittings, and accessories as per approved drawings and renders. Space/provisions are to be provided to accommodate the equipment inside the counter as shown in the drawings and renders.</p> <p>Note: Actual countertop material sample shall be submitted by the contractor and, required provision for electrical socket as per power layout. The contractor shall refer to the counter details for complete detailings, dimensions & materials etc.</p>		1.00				1.00	50%	0.50

Sr.No	Details of Work	Measurements				Total Qty	Claimable %	Claimabl Qty	
		Unit	No.	Length	Breadth				Height
4.00	PLANTER BOXES & ARTIFICIAL PLANTS								
4.01	Supply & installation of planter box with fire rated artificial plants with the 18mm thick MDF finished with laminate of approved color, 10mm thick wooden moulding, 6mm thick Corian cladding with 4mm groove & naturally looking artificial fire rated plant as per drawings and renders. Size: 600 x 300 x 800 mm Dimensions, color & design as per the drawings and renders. <i>Note: Samples shall be submitted by contractor.</i>		2.00				2.00	100%	2.00
PLUMBING									
B	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		30				30	100%	30.00
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								
2.1	40mm dia		10				10	100%	10.00

Sr.No	Details of Work	Measurements				Total Qty	Claimable %	Claimabl Qty	
		Unit	No.	Length	Breadth				Height
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.								
5.2	300mm wide Drain Channel		3				3	100%	3.00
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 D2846 / D2846M - 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		130				130	100%	130.00
1.2	20 mm nominal dia		3				3	100%	3.00
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		1				1	100%	1.00
2.2	20 mm nominal dia		1				1	100%	1.00
	ELECTRICAL								
3.00	LOW VOLTAGE CABLES AND END TERMINATION								
3.1	Low voltage Aluminium conductor cables								

Sr.No	Details of Work	Measurements				Total Qty	Claimable %	Claimabl Qty
		Unit	No.	Length	Breadth			
	Supply and laying of 1100 V grade, XLPE insulated,extruded PVC Inner Sheathed and extruded FRLS-PVC Outer sheatehed , aluminium conductor, Armoured power cable as per specifications. The cable shall be laid in indoor trenches / cable trays as required. The cable shall be clamped at regular intervals to the supportts in trench or to cable trays or brick wall using MS clamps and fasteners. Rate shall exclude the cost of cable trays and termination in this item.							
	NOTE: Cables will not be procured based on BOQ only. True measurements will be taken by Contractor before ordering, based on Drawings/ Site actual requirements (Applicable to all respect Line items)							
a	3.5CX 50Sqmm Alu.arm Cable	Rmt	30			30	100%	30.00
e	4CX 10Sqmm Alu.arm Cable	Rmt	15			15	100%	15.00
3.2	Low Voltage Copper Conductor Cables							
	Supply and laying of 1100 V grade, XLPE insulated,extruded PVC Inner Sheathed and extruded FRLS-PVC Outer sheatehed copper conductor, Armoured/Un armoured power cable as per specifications. The cable shall be laid in indoor trenches / cable trays as required. The cable shall be clamped at regular intervals to the supportts in trench or to cable trays or brick wall using MS clamps and fasteners. Rate shall exclude the cost of cable trays and termination in this item.							
	Armoured Copper Cables :							
a	4Cx 16sqmm Cu Arm Cable	Rmt	15			15	100%	15.00
b	4Cx 6sqmm Cu Arm Cable	Rmt	15			15	100%	15.00
c	4Cx 4sqmm Cu Arm Cable	Rmt	20			20	100%	20.00
e	3Cx 4sqmm Cu Arm. Cable	Rmt	20			20	100%	20.00
3.3	Copper Flexible Cables :							
a	3Cx6sqmm Cu Flexible Cable	Rmt	20			20	100%	20.00
3.4	LOW VOLTAGE CABLE END TERMINATION:							

Sr.No	Details of Work	Measurements				Total Qty	Claimable %	Claimabl Qty
		Unit	No.	Length	Breadth			
	Supply and providing LV cable end termination for below listed cable with copper lugs, brass cable glands, tapping, crimping, etc. complete. Single Compression Glands : Cable Size Below 150 Sqmm Double Compression Glands : Cable size above 185sqmm and Single core cables 400sqmm and above							
a	3.5CX 50 Sqmm Alu.arm Cable	Nos	2			2	100%	2.00
e	4CX 10Sqmm Alu.arm Cable	Nos	2			2	100%	2.00
3.5	Armoured Copper Cables :							
a	4Cx 16sqmm Cu Arm Cable	Nos	2			2	100%	2.00
b	4Cx 6sqmm Cu Arm Cable	Nos	2			2	100%	2.00
c	4Cx 4sqmm Cu Arm Cable	Nos	2			2	100%	2.00
e	3Cx 4sqmm Cu Arm. Cable	Nos	2			2	100%	2.00
3.6	Copper Flexible Cables :							
a	3Cx6sqmm Cu Flexible Cable	Nos	8			8	100%	8.00
5.00	CIRCUIT MAINS							
	CIRCUIT MAIN FOR LIGHTING/POWER :							
	Supply and drawing of 1100V grade, multi strand FRLS insulated copper conductor wire. drawn into existing raceways/cable trays with necessary fixing accessories.							
5.1	3 core 1.5 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	35			35	100%	35.00
5.2	3 core 2.5 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	75			75	100%	75.00
5.3	3 core 4 sqmm Double Insulated Copper copper conductor flexible cable with FRLS Sheathing in the existing raceways/conduit. Rate shall exclude the cost of Raceway/conduit in this items.	Rmtrs	150			150	100%	150.00

Sr.No	Details of Work	Measurements				Total Qty	Claimable %	Claimabl Qty	
		Unit	No.	Length	Breadth				Height
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				1750	100%	1,750.00
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				50	100%	50.00
6	POINT WIRING								
	Point wiring of light, using 1100 volt grade, 3Rx1.5Sqmm multi 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				10	100%	10.00
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				25	100%	25.00
7.00	CABLE TRAY/RACEWAYS								
7.2	Perforated Type								

Sr.No	Details of Work	Measurements					Total Qty	Claimable %	Claimabl Qty
		Unit	No.	Length	Breadth	Height			
	Supply and providing MS Perforated cable trays factory fabricated out of 2mm thick pre galvanized sheet steel, channel size 50 mm 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								
d)	200 mm wide 50 mm height	Rmtrs	25				25	100%	25.00
7.7	POWDER COATED FRAME FOR MCB DB's								
a	Supply and Installation of DB Frame with wire ways shall be made out of 1.6mm thick CRCA sheet steel and powder coating colour shall match the colour of MCB DB's with hinged type door. 100mm x 100mm 1.6mm thick, wire ways / Raceway with 2mm thick screwed / press to fit cover with hinged type door for making Frame for MCB DB's. Complete required including installation accessories.	Rmtrs	15				15	100%	15.00
8	EARTHING								
8.3	Supply and running of below listed sizes of electrolytic copper / GI earth conductor tapes / wires and laid along with cable or clamped to brick wall, etc., as required.								
a	8 SWG GI wire for Earthing	Rmtrs	40				40	100%	40.00
b	25x3mm GI Flat	Rmtrs	25				25	100%	25.00
d	1Cx6sqmm Cu Flexible Cable Earthing (Green)	Rmtrs	75				75	100%	75.00
e	1Cx4sqmm Cu Flexible Cable Earthing (Green)	Rmtrs	50				50	100%	50.00
8.4	Supply and installation of Earth pads made out of copper/GI busbars installed on 1100 V insulators including hardware and other minor civil works.associated works.								
c	Busbar of 0.5 Mtr length made out of 45 x 6 mm GI strip with drill holes of M8 at 25mm interval mounted on insulators.	Nos	1				1	100%	1.00
9	PVC pipes (Electrical/IT/AV/CCTV/ACS)								
	GI pipes (Electrical/IT/AV/CCTV/ACS)								

No	Details of Work	Measurements				Total Qty	Claimable %	Claimable Qty
		Unit	No.	Length	Breadth			
9.2	Supply and laying of 2 mm thick rigid MS conduits in concealed/Open conduit system using conduit accessories like junction boxes, collars, bends, elbows, binding wires, etc.							
a	32 mm dia conduit	Rmtrs	10			10	100%	10.00
b	25 mm dia conduit	Rmtrs	125			125	100%	125.00
c	20 mm dia conduit	Rmtrs	80			80	100%	80.00
17.0	ELEV WORKS							
1	IT/NETWORKING :							
1.1	4-pair, Cat 6 UTP FRLS Cable	Mtrs	175			175	50%	87.50
1.2	Cat 6 UTP Information Outlet for Workstation end	Nos	8			8	50%	4.00
1.3	Cat 6 RJ45-RJ45 UTP Patch Cords, color matched, Yellow - Workstation end, 7 ft	Nos	8			8	50%	4.00
1.4	Single Face Plates	Nos	8			8	50%	4.00
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			8	50%	4.00
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			1	50%	0.50
9	06 U wall mount rack with required mounting accessories, Rate shall include required accessories, tools etc., complete as required.	No	1			1	50%	0.50
2	CCTV :							-
1	Supply, installation, testing and Commissioning of UL approved, IP based Dome Indoor type 5MP,HD Dome camera	Nos	5			5	50%	2.50
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			1	50%	0.50
4	CAT 6 PoE Cable, as per the survey done, Rate shall include required accessories, tools etc., complete as required.	Mtr	100			100	50%	50.00
5	Cat 6 Sngle Information Outlets including faceplates and backbox accessories.	Nos	5			5	50%	2.50

No	Details of Work	Measurements					Total Qty	Claimable %	Claimabl Qty
		Unit	No.	Length	Breadth	Height			
8	Cat 6, PoE 4ft Gigabit Snagless Molded Patch Cable (RJ-45 Male) with factory crimping, these patch cords will suffice for connecting between Data Outlet & CCTV (100%)	No	5				5	50%	2.50
	HVAC								
17.0	ELECTROSTATIC DRY SCRUBBER FOR KITCHEN EXHAUST OF 3600 CFM.								
	Supply, installation, testing & Commissioning of Electro- Static DRY scrubber for the above exhaust rating of 3600 CFM. The vendor shall include the Pressure drop to be 20mm Wg, works with necessary valve arrangement. The scope of supply should include complete system for Electrostatic Dry scrubber operation. It shall also include the carbon filters for residual carbon content removal. The Electrostatic Air Cleaners shall be supplied as a one-piece factory joined assembly of individual section(s) selected to treat oil mist, smoke, fume, grease & dust/ powder problems.								
	Housing shall be constructed with minimum 1.6mm thick steel sheet with reinforced structure & powder coated to protect against rust and corrosion. It shall have a hinged door for cell access, located one side of the unit. The door shall be gasketed to prevent air leakage. There shall be a safety interlock switch to cut off primary supply when the access door is opened. The external finish shall be a durable industrial grade semi-gloss epoxy-polyester coating suitable for outdoor installations.								

No.	Details of Work							Unit	No.	Length	Breadth	Height	Total Qty	Claimable %	Claimabl Qty			
	Measurements																	
	<p>ionizing-Collecting cell(s) shall be of one-piece construction 13.38" (340mm) deep in direction of airflow. The dimension of the collection cell shall be 18.89" (480mm) H x 19.76" (502mm)W Max. All support framing, end plates and ionizer ground electrodes shall be 0.080 inch (2mm) thick aluminum. Both repelling and collector plates shall be 0.032 inch (0.8mm) thick aluminum alloy material rigidly retained in place with tubular spacers and tie rods. Each plate shall be corrugated, perpendicular to airflow direction. Spacing between plates shall be no less than 0.318 inch (8mm). Each cell shall weigh at least 17 kg with at least 8 stainless steel spiked blade ionizers. Tungsten wire ionizers will not be accepted</p>																	
	<p>ionizing spiked blade shall be made of Stainless steel 304 material, rigidly supported both vertically and laterally. Spiked ionizer to ground electrode spacing shall be 1.0" (25mm). High voltage support insulators shall be of Teflon material for dielectric strength.</p>																	
	<p>Equipment should be selected on the basis of required Air handling capacity so as to achieve 90-95% particulate matter removal efficiency according to DOP Test or EN779 European standard (Equivalent to ASHRAE 52.1). Vendor should submit the Test report from the Lab having Test facility according to ASHRAE 52.2 or EN779. In the absence of Test report Vendor should demonstrate the efficiency claim at their manufacturing facility at their expenses.</p>																	

Details of Work		Unit	No.	Length	Breadth	Height	Total Qty	Claimable %	Claimable Qty
<p>Power supplies shall be 100% solid state, operate on 230 VAC, 50 Hz, 1 Phase input and provide a dual high voltage output of 12-13 KVDC for the ionizer and 6.0-6.5 KVDC for the collector in normal operation conditions. Current output at the high tension shall be 12mA. A maximum power output for the solid state power supply shall be 120 watts to maintain the specified collection efficiency. Integally mounted Electrical interlocks shall be provided to prevent access to the high voltage components without first interrupting the primary input power. The power supply shall operate over a temperature range of -32 degrees F to 140 degrees F, be overloaded self-protecting and accommodate an LED lights indicating the performance status of the ionizing/collecting cell. High voltage output components in the power supply shall be sealed with epoxy for moisture resistance.</p>									
<p>The power pack shall incorporate a short circuit arc protection with automatic power restoration system to prevent overload.</p>									
<p>There shall be 2 LED lights (Green & Red) installed on the access door of the unit to indicate the status of the air cleaning system</p>									
<p>BMS (Building Management System) interface: The power supply (pack) shall have a 2 wire dry contacts (NO/NC) for remote link to Building Management System. This is for performance indication of the air cleaning system</p>									
<p>Supply, installation, Testing & Commissioning of Electro-static Dry Scrubber unit complete with all sections as listed above & detailed in tender drawings</p>									
		Nos	1				1	50%	0.50

Measurement Taken By

[Signature]

Name & Sign of Vendor
LAVENA SHAI - ARJHANT
INFRACON

Measurement Certified By

[Signature]
Atish Nagar

Name & Sign of Site In Charge