



Purchase Order

Order Number PO/KRLH232400005

23-05-2023 11:52:20

Shipped Location

TFS (R&R) Works Private Limited
TFS (R&R) Works Private Limited

Haridwar Food Plaza,Adj to Crystal World

Roorkee NH-58 Batedi Rajputana,Shantashah
Uttarakhand, India 249405
India

Contact Person

Contact No.

E-Mail kumar.dhulap@travelfoodserives.com

ETA:

Order Address

Invoice Location

Karnal Noodle Work

Haridwar Food Plaza,Adj to Crystal World

Roorkee NH-58 Batedi Rajputana,Shantashah
249405

India
IN

kumar.dhulap@travelfoodserives.com

Payment Terms Net 15 days

Corporate Address

TFS (R&R) Works Private Limited
Haridwar Food Plaza, Adj to Crystal World,
Haridwar Roorkee NH-58, Haridwar

Uttarakhand, 249405

State 05
State Name Uttarakhand
Comp GST No. 05AADCT1597R1ZN
GSTIN No. 05AADCT1597R1ZN

Requisition No.

PO Entry Date 23-05-2023

Project ID

Vendor No. V0000407

Kunan Mal Suthar

303, Ground Floor Housing Board Colony, Sector 42

Gurgaon, Haryana
HARYANA, India 120001
India

P.A.N. No. AYGPS8342D
State Code

Vendor GST No. 06AYGPS8342D1ZB

Vendor Inv. No. 1

Vendor Fax No.

Vendor Email sutharkundan77@gmail.com

HSN\SAC											Total Tax	Total Amount	
SNo	Item Code	Code	Item Description	Description 2	Item Category	UOM	Unit Cost	Qty	GST%	VAT %	Excise	Amount(ININR)	(ININR)
1	7000002	995423	Civil & Interior Works	Civil & Interior works		Each	3,65,173.00	1	18.00	0.00		0	365173.00
2	7000010	00440438	Plumbing Works	Plumbing works		Each	1,13,508.00	1	18.00	0.00		0	113508.00
3	7000012	998736	Electrical Works	Electrical works		Each	2,46,558.00	1	18.00	0.00		0	246558.00
4	7000019	8415	HVAC Works	HVAC works		Each	2,94,173.00	1	18.00	0.00		0	294173.00
								Total Unit	4.00				

Advance Payment - 25% along with work order RA BILL - Upto 95% after work completion & submission of invoice.
Retention 5% DLP till completion of 6 months.

Total Taxable INR 10,19,412.00

Excise Amount 0.00
IGST Amount 1,83,494.16
Cess 0.00

- a) Products to be Supplied by Supplier at own cost
- b) Any deficiency in Documents and Process will be liability of the supplier only
- c) Delivery schedule to be taken from the Buyer before Despatching the mater
- d) PLEASE SEND THE ORIGINAL COMMERCIAL/GST INVOICE ALONG WITH THE MATERIAL TO THE DELIVERY ADDRESS.
- e) The Payment of taxes will be Released once the Taxes is Credited to our Account or the GST Portal

Total INR Incl. Taxes 12,02,906.16

Disclaimer - Unless informed to us it is assumed that you are not registered as MSME with the respective government authority. If you have not yet provided the MSME details along with proof kindly provide the same at the earliest. Alternatively once you get registered then provide us relevant proof to update our records.



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Haridwar Roorkee NH-58, Haridwar

Uttarakhand, 249405

State 05

State Name Uttarakhand

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GSTIN No. 05AADCT1597R1ZN

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Kunan Mal Suthar

303, Ground Floor Housing Board Colony, Sector 42

Gurgaon, Haryana

HARYANA, India 120001

India

P.A.N. No. AYGPS8342D

State Code

Vendor GST No. 06AYGPS8342D1ZB

Vendor Inv. No. 1

Vendor Fax No.

Vendor Email sutharkundan77@gmail.com

FARIDKOT FOOD COURT			
PLUMBING WORK COST ESTIMATE			
S.NO.	DESCRIPTION	Taget Rates	AKK BUILDCON (Final)
1	Karims		
a	C&I	6,85,707	7,67,785
b	Plumbing	1,20,375	1,34,750
c	Electrical	2,56,188	2,84,820
d	HVAC	3,14,423	3,51,470
	TOTAL	13,76,693	15,38,825
2	Noodle Wok		
a	C&I	3,65,173	4,09,775
b	Plumbing	1,13,508	1,25,175
c	Electrical	2,46,558	2,74,120
d	HVAC	2,94,173	3,24,470
	TOTAL	10,19,411	11,33,540
3	GIANIS		
a	C&I	2,48,415	2,76,900
b	Plumbing	65,980	73,800
c	Electrical	1,73,249	1,92,665
d	HVAC		
	TOTAL	4,87,644	5,43,365
TOTAL AMOUNT IN RS		28,83,747	32,15,730
	Discoount		3,31,983
Grand Total After Discount		28,83,747	28,83,747

KARNAL					Target Rates		AKK BUILDCON	
A	CIVIL & INTERIOR							
SR.NO.	ITEM	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT	RATE	AMOUNT
1	Kitchen equipments unloading/ shifting	Unloading/Shifitng/ fixing of kitchen equipments.	JOB	1	8,700	8,700	10,000	10,000
Civil works					-			
2	Brickwork of 0.23 And Greater thickness	Providing and laying brick masonry above plinth for superstructure, for walls, architectural elements and other similar locations etc., in 1:6 Cement Mortar (1 Cement : 6 Coarse Sand by volume) in true line, level and plumb, including raking the joints upto 6 to 12 mm depth, rubbing and cleaning the surface, with necessary scaffolding, curing, soaking of the bricks adequately before construction, complete as directed and specified.	Sq.Ft	RO	98		110	
3	Half brick partition walls	₹ 0.00	Sq.Ft	100	110	11,000	125	12,500
4	Internal Plaster	P&A of single coat backing plaster of 15-18 mm thick in CM 1:4 proportion to the walls & others surface including scaffolding, curing the joints, etc. The rates are inclusive of providing chicken mesh of 18mm gauge & 150mm width at junction of brick & RCC etc. at the walls, columns, beams etc., seven days water treatment as anti crack of plaster. Complete as per site engineer's instruction.	Sq.Ft	200	26	5,200	30	6,000
5		Using 100mm thk full ht (Up to ht. 3500 mm)			-			
6	PCC Work	Providing and laying up to 50-75 mm thick cement concrete flooring with 1:2:4 cement concrete laid to proper level and slope in alternate bays including compactions, filling joints, or as directed, finishing smooth with cement Mortar 1:1 of sufficient minimum thickness to give a smooth & even surface and curing etc. complete as per architects instructions.	Sq.Ft	250	45	11,250	55	13,750
7	IPS Work	Providing and laying cement concrete flooring 25 - 40 mm thick , C.M. 1:3 laid to proper level and slope cost should including compaction as directed and curing complete in all respect.	Sq.Ft	-	80		90	
8	COBA Work	CINDER BLOCK COBA of Avg. thickness mentioned below; After laying of soil pipes, floor traps is completed the floor of the sunken portion shall be covered with cinder coba embedded manually with 15-20 mm wide joints in 20 mm thk. Waterproofing mortar 1:4 (1 cement : 4 coarse sand)in layers upto the full ht. of sunken portion, having top layer of 50 mm thk waterproof mortar 1:4 (1 cement : 4 coarse sand) using specialized W.P. chemical, finished smooth / rough with floating coat of neat cement all complete and as per specification.			-			
		Kitchen at 250mm	Sq.Ft	-	72		80	
9	KOTA skirting	Fixing & laying of 100mm high kota stone for skirting with bedding of appropriate approved make adhesive & colour joint filler inclusive of making all groove/chamfering/rounding/hole where ever required, in proper line and level in all direction, polishing/finishing/cleaning etc. Complete as per detail drawing, specification and as directed by PMC.			-			
		In Floor	RFT	70	63	4,410	70	4,900
10	SS Corner Guard	P&F of 304 grade 3mm thick SS Corner guard (30mm x 30mm), mat finished as per approved sample) fixing with SS full thread screws on each corner of the kitchen's wall before cladding of tiles, so that the corner may be protected from the damages. Complete in proper line & level and site engineer's instruction.	RFT	30	270	8,100	300	9,000
11	Door	Providing & fixing in position Double Leaf Door made up of 38mm thick commercial flush door shutter of approved make & thickness, Inner sidefinished with veneer and outer side with 1mm thk laminate finish including providing & fixing 12 mm thk Wooden lipping all around, including P/F of Door frame made out of CP Teak / Ash wood or equivalent with melamine polish finish. Size of the frame approximate 80mm wide X 50mm thick. Applicable hardware's such as ozone mortise lock OMH-11N STD, Ozone door closer and any other hardware etc required to complete the related works as per design & detail. door hardware make consider Dorma / Hafele/Ozon /equilient. (Laminate Basic rate - 50/sqft)	NOS	-	21,000		24,500	

12	Back Entry Door	Providing & fixing in position Single Leaf Door made up of 38mm thick commercial flush door shutter of approved make & thickness, Inner side finished with veneer and outer side with fluted veneer finish including providing & fixing 12 mm thk Wooden lipping all around, including P/F of Door frame made out of CP Teak / Ash wood or equivalent with melamine polish finish. Size of the frame approximate 80mm wide X 50mm thick. Applicable hardware's such as ozone door lock with handle (model number OMH-11N STD, Ozone hinge, ozone door closer (suitable for 60 KG load) and any other hardware like door stopper, door back buffer etc. required to complete the related works as per design & detail. door hardware make consider Dorma / Hafele/Ozone. Door should have vision panel of 10"x24". (Laminate Basic rate - 50/sqft)	NOS	1	18,500	18,500	22,500	22,500
		In MOH			-			
13	Window/ door jamb	Providing & Fixing polished Jet black granite stone /Approved stone in "Z" Door Jambs, Window Cills, Architrave, ledge wall top etc. (maximum width upto 300mm) in cement mortar 1:3 & in cement slurry, including necessary filing joints in white cement pigmented to approved shade. Also includes necessary edge polishing, champhering, moulding etc complete as per the direction of INOX. Basic Rate of Black Granite : Rs 150/- per Sft. (Granite shall be Procured by Contractor)	RFT	-	495		550	
		<u>Basic Rate: 275/ SFT</u>			-			
		In Dry Storage Area	RFT	-	585		650	
14	Kitchen Door	Providing & fixing in position Single Leaf Door made up of 38mm thick commercial flush door shutter of approved make & thickness, Inner side finished with veneer and outer side with fluted veneer finish including providing & fixing 12 mm thk Wooden lipping all around, including P/F of Door frame made out of CP Teak / Ash wood or equivalent with melamine polish finish. Size of the frame approximate 80mm wide X 50mm thick. Applicable hardware's such as ozone door lock with handle (model number OMH-11N STD, Ozone hinge, ozone door closer (suitable for 60 KG load) and any other hardware like door stopper, door back buffer etc. required to complete the related works as per design & detail. door hardware make consider Dorma / Hafele/Ozone. Door should have vision panel of 10"x24".	NOS	-	22,950		25,500	
	Front Counters:				-			
15		Counter top (600mm wide) -600mm wide 19mm thick double plywood top made of approved make, bwr grade backing as directed in detail drawing. -plywood top to be fixed on the existing low height wall's -Counter top to be finished with 12mm approved shade corian (Corian Basic rate - 700/sqft)			-			
		b. Outlet: Noodle	RFT	18	4,050	72,900	4,500	81,000
16		Bulkhead paneling- Front (8320mm wide) -Providing and fixing 19mm thick plywood of approved make. -Cost includes of making a 50mm thick MS frame at periphery C/C Horiozontaly and vertically to maintain gap between wall and panel as directed in detail drawing- finish with laminate (Laminate Basic rate - 50/sqft). FOR Bulkhead			-			
		a. Outlet: Noodle	SFT	45	338	15,188	375	16,875
17		Ply Panelling -Providing and fixing 19mm thick plywood of approved make. -Cost includes of making a 50mm thick MS frame at periphery C/C Horiozontaly and vertically to maintain gap between wall and panel, finish with paint. FOR above of Bulkhead	SFT	45	315	14,175	350	15,750
18		Ply Panelling -Providing and fixing 19mm thick plywood of approved make. -Cost includes of making a 50mm thick MS frame at periphery C/C Horiozontaly and vertically to maintain gap between wall and panel, finish with paint.- FOR DMB	SFT	10	360	3,600	400	4,000
					-			
	Back Counter				-			

19		Counter top (700mm wide) -700mm wide 19mm thick double plywood top made of approved make, bwr grade backing as directed in detail drawing. -plywood top to be fixed on the existing low height wall's -Counter top to be finished with 12mm approved shade corian			-			
		a. Outlet: Noodle	RFT	-	4,050		4,500	
	Flooring & Cladding				-			
19	Kota Flooring	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) : 25 mm thick	SFT	250	122	30,375	135	33,750
20	Wall Tile Cladding -1 (MOH area)	Providing and fixing in position tile of approved make & shade on any surface as per details in drawing and Over 12 mm thk bed of cement mortar 1:3 (cement: fine sand) with thick grey cement slurry, with hairline joints using cement grout. The job included cutting tiles & making smooth edges wherever required. The work shall also include the cost of materials, wastages, labor, all lead and lift at all levels, loading and unloading, transportation, curing, etc., and all other incidental charges, etc. Complete as specified in the drawing & to the satisfaction of the Site Engineer. Basic Rate of tile - 80/sft	SFT	100	171	17,100	190	19,000
21	Sada Wall Tile Cladding -2 (Kitchen & BOH area)	Providing and fixing in sada tile of approved make & shade on any surface as per details in drawing and Over 12 mm thk bed of cement mortar 1:3 (cement : fine sand) with thick grey cement slurry, with hairline joints using cement grout. The job including cutting of tiles & making smooth edges wherever required . The work shall also include cost of materials, wastages, labour, all lead and lift at all levels, loading and unloading, transportation, curing etc. and all other incidental charges etc. Complete as specified in the drawing & to the satisfaction of the Site Engineer. Ceramic wall tile (Printed) With customize line work Make : - Johnson in exposed area / Ceramic wall tile white/ Satin white 300x450mm below counter or hidden area. Basic Rate of tile - 50/sft	SFT	350	122	42,525	135	47,250
	False Ceiling				-			
22	Gypsum false ceiling (MOH area)	Gypsum Board false Ceiling: Providing, fabrication and fixing in position of false ceiling (height will be decided on the spot as per site conditions) by fixing 12 mm Th. Gypsum Board sheets on frame work of GI sheet section. The main runners of 22 gauge GI sheet and cross runners of 24 gauge GI sheet must be framed to form a mesh of 2'0"x2'0" c/c. The Gypsum Board must be fixed to the GI frame and joint to be properly filled in with POP paste and paper tape to get a leveled smooth ceiling. Recessing of the Gypsum Board for light fixtures must be done along with extra frame work of GI sheet section to hold the concealed light fixtures etc. directed by the site engineer. Including two coats of primer suitable for gypsum board two or more coats of plastic emulsion paint of approved shade and also including making necessary openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitable fixed all complete as per drawing and specification and direction. Rate to be inclusive of shadow profile at the junction of wall & ceiling, in between of ceiling, etc. complete.			-			
		MOH Area	SFT	-	104		115	
22.1	Metal Ceiling	Fitting of false ceiling consisting of 20g non-perforated aluminium planks made of pre-coated (Top & Bottom) & Size : 600mmx600mm tiles . False Ceiling with necessary supports , hangers etc. provided to install light fitting , fresh air grill etc. (from Hunter Douglas /Armstrong or equivalent.)			-			
		Size: 600 X 600 mm Rate :150/ SFT	SFT	250	194	48,375	215	53,750
	Carpentry Works				-			

23	Front Undercounter Storage	Under counter units to be finished with plain laminate (Merino/Greenlam/Equivalent) internally with provision of shelves and drawers for storage. All ply edges to be bounded with matching laminate. 18mm thk. Shutter to be made of plyboard (Century/Greenply/Equivalent) finished in app. Laminate (Merino/Greenlam/Equivalent) from outside as per schedule.	Nos.	1	32,400	32,400	36,000	36,000
		length - 2300mm. Depth - 600mm, height - 1050mm			-			
		* Providing & Fixing of softwood framework within the counter panelling as per detail.			-			
		Provision and fixing of all hardware, channels, box hinges (Hettich/hafele/equivalent), locks (Hettich/hafele/godrej/equivalent) etc.			-			
		* Providing & fixing of 100mm high & 2mm thk. Brushed Finish SS skirting.			-			
		* Contractor to coordinate with electrical contractor for fixing of switch & sockets.			-			
24	Back Undercounter Storage	Under counter units to be finished with plain laminate (Merino/Greenlam/equivalent) internally with provision of drawers & shelves for storage. All ply edges to be bounded with matching laminate & 18mm thk shutter to be made of plyboard (Century/Greenply/equivalent) finished in app. Laminate (Merino/Greenlam/equivalent) from outside as per schedule .	Nos.	-	49,500		55,000	
		length - 3580mm. Depth - 750mm, height - 1000mm			-			
		Provision and fixing of all hardware, channels, box hinges (hettich/hafele/equivalent), locks (hettich/hafele/godrej/equivalent) etc.			-			
		* Providing & Fixing of 100mm high & 2mm thk. S.S. plate skirting at the bottom.			-			
25	FLOOR TRANSITION STRIP	Providing & fixing 20-25mm wide 'T' shape s.s. brush finish Transition strip	RFT	-	270		300	
					-			
26	WATERPROOFING	Providing and laying a proprietary chemical waterproofing system consisting of polymer-modified acrylic base coating in two coats in form of a slurry (total consumption of 1.5 Kg/Sqm) as approved by the PM and as directed by the approved manufacturer of waterproofing coating, with sandwiched fiber mesh and protective screed. The work shall include cleaning the surface, grouting porous surfaces making 'V' grooves at junctions, cracks with nonshrink crystalline base cementitious grout, etc. Further including horizontal and vertical surfaces protected with 20mm screeding in 1:4 mortar (1 cement: 4 sand), finished in ready to receive Architectural finish, in the correct line, level, and plumb, curing, grouting, testing, etc. all complete to the entire satisfaction of the PM.			-			
		* FLOOR	Sq.ft.	250	32	7,875	35	8,750
27	MIC.	Contractor to fulfill all the necessary health, safety and environment norms while working at site ensuring his team and subvendors, supplier uses PPE kit as per TFS standard while working on the site. Also includes regular cleanig of site and deep cleaning before handover on the site to the operation team	No.	1	13,500	13,500	15,000	15,000
					-			
					-			
		TOTAL			-	3,65,173		4,09,775
					-			
A	WATER SUPPLY PIPING				-			
S. No.	WATER SUPPLY PIPING	Description	Unit	Qty.			Rate	
1		Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes SDR 11, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. (Concealed work including cutting chases and making good the walls etc.,) Pressure Testing (Pipe shall be tested with 1.5 times working pressure as covered in specifications)			-			
1.1		15 mm Dia	R.mt	20	180	3,600	200	4,000

1.2		20 mm Dia	R.mt	3	203	608	225	675
1.3		25 mm Dia	R.mt	2	270	540	300	600
1.4		32mm Dia	R.mt	-	315		350	
					-			
2		Providing & fixing gun metal lever operated ball valve. Tested to a pressure of 15 Kg / Sqcm. Including flanges/union, nuts, bolts, washer etc. Complete as required.			-			
2.1		15mm Dia	Nos.	4	675	2,700	750	3,000
2.2		20mm Dia	Nos.	2	765	1,530	850	1,700
2.3		25mm Dia	Nos.	RO	945		1,050	
2.4		32mm Dia	Nos.	-	1,260		1,400	
					-			
3		Providing, fixing, testing and commissioning of NRV with forged brass body, brass diaphragm and SS seal in water supply pipes. Complete as required.			-			
3.1		25mm Dia	Nos.	RO	2,340		2,600	
					-			
4		Providing, fixing, testing and commissioning of Y STRAINER FLANGED END EPOXY COATED WITH SS SCREEN (CR16B)			-			
4.1		25mm Dia	Nos.	RO	2,700		3,000	
					-			
5		Providing and fixing of brass multijet water meters with magnetic transmission of IS-779:1994 including with rubber gasket, flanges/ unions, nuts, bolts, washers, etc. complete as required. Make : Kranti			-			
5.1		25 mm Dia incoming line	Nos.	RO	3,330		3,700	
5.2		32 mm Dia incoming line	Nos.	-	3,848		4,275	
5.3		40 mm Dia incoming line	Nos.	-	5,130		5,700	
					-			
6		Supply, installation,testing & commissioning of Storage Type Electric Hot Water Generator of mentioned capacity, suitable for 3 KG/cm2 pressure, Wall Mounted / Floor standing type, with Auto Shut-off Thermostat, along with isolation Valves, Air Release valve, SS flexible connections and all other std accessories			-			
6.1		5 L Capacity-	Nos.	-	6,413		7,125	
6.2		20 L Capacity	Nos.	-	12,150		13,500	
6.3		25 L Capacity- For pot sink	Nos.	1	16,650	16,650	17,000	17,000
					-			
7		SITC of Eco smart RO 50 LPH Capacity with all required accessories	Nos	-	-			
8		Installation of grease trap -model NGT-14 Capacity -25.5 lit (28 LPM) with all required accessories(SIZE:-	Nos	1	27,000	27,000	30,000	30,000
9		SITC of grease trap -model NGT-30 Capacity -47.5 lit (57 LPM) with all required accessories(SIZE:-	Nos	-	58,500		65,000	
					-			
B		DRAINAGE			-			
1		Providing and fixing Upvc SWR pipes (Class B Heavy Type) including all fittings (plain or door) e.g. bends, junction, cowls, offsets, access pieces, jointing with rubber ring/solvent cement joints,jali,clamps including cutting chase or holes in walls and floors and making good where required.(Inside the building)			-			
1.1		50mm Dia	R.mt	5	340	1,700	400	2,000
1.2		75mm Dia	R.mt	-	495		550	
1.3		100 mm Dia	R.mt	5	595	2,975	750	3,750
1.4		150 mm Dia	R.mt	-	900		1,000	
					-			
2		Providing & fixing in position pipe trap of self cleaning design of following sizes for the embedded areas. Making proper connection with , cutting chase / hole in floors /slabs and bringing the same in proper condition in cement concrete 1:2:4 mix complete as required. including cost of cutting and making good the walls and floors where required. Make :			-			
2.1		P-trap 110 mm dia	Each	1	855	855	950	950
2.2		Multi trap 110 mm dia with square grating (Outlet 75MM dia)	Each	-	945		1,050	
2.3		Floor trap 110 mm dia with grating(Outlet 100MM dia)	Each	2	1,170	2,340	1,300	2,600

2.4		Nahani trap 110 mm dia with grating(Outlet 100MM dia)	Each	2	1,215	2,430	1,350	2,700
C		SANITARY AND C. P. FITTINGS & FIXTURES			-			
		Only installation, testing and commissioning of sanitary and C.P. fittings			-			
					-			
1.1		P&F of Jaquar continental series angle valve	Nos	10	225	2,250	250	2,500
		P&F of Jaquar Continental Sink Mixer Chrome CON-309KNM with Swinging Spout (Wall Mounted Model) With Connecting Legs & Wall Flanges	Nos	2	495	990	550	1,100
		P&F Jaquar Continental CON-CHR-321KNB Sink Mounted Double lever Sink Mixer with Extended Swinging Spout Table Mounting Sink Mounting	Nos	1	495	495	550	550
		P&F Jaquar Continental CON-347KN Jaquar Continental Sink Cock Kitchen Mixer Faucet (Wall Mount Installation Type)	Nos	1	495	495	550	550
D		S.S. GRATING			-			
		SITC of , testing and commissioning of S.S.Gratings			-			
					-			
1		Making chamber in brick work including internal tiling and installing S.S Grating size, 300mm x 300mm , in 16 swg 25mm x25mm Square Pipe around the Frame and 20mmX 20mm Square pipe in center of frame with SS perforated tray (304 SWR) . Complete as per architectural detail drawing & Site Engineer's instruction. (SS Frame and perforated tray shall be provided by TFS)	Nos.	4	4,500	18,000	5,000	20,000
2		Making chamber in brick work including internal tiling and installing S.S Grating size, 1050mm x 350mm , in 16 swg 25mm x25mm Square Pipe around the Frame and 20mmX 20mm Square pipe in center of frame with SS perforated tray (304 SWR) . Complete as per architectural detail drawing & Site Engineer's instruction. (SS Frame and perforated tray shall be provided by TFS)	Nos.	RO	7,200		8,000	
					-			
E		Sprinkler Point			-			
					-			
1		Providing & making sprinkler point in 25mm c-class pipe including tanco pendent hose pipe of 1.5m	No	6	4,050	24,300	4,500	27,000
2		Butterfly valve dia 65mm for main tap off point	No	1	4,050	4,050	4,500	4,500
		GRAND - TOTAL A , B , C, D AND E				1,13,508		1,25,175
E	ELECTRICAL WORKS							
SR. NO.	ELECTRICAL WORKS	DESCRIPTION	UNIT	REVISED QTY. RO	RATE IN Rs.		RATE IN Rs.	
1.0		PANELS, SWITCHGEARS & DISTRIBUTION BOARD						
1.1		MAIN PANEL-1	Nos.	-				
		Incomer : 63 AMPS 4P MCCB, 25kA with TM Based O/C & SC Release.						
		Meter & Protection: ELR with CBCT; 60/5A, 15VA, CL-1 CT's -3 Nos. for Schneider make Digital Load Manager (EM 6400 NG)						
		Indication: Phase indicating lamps with 6A MCB						
		Busbar: 100A TPN Cu Busbar						
		Outgoings:						
		a) 63A 4P MCCB, 16kA, TM BASED-1 Nos.						
		d) 40A DP MCB-2 Nos.						
		f) 32A 4P MCCB 16kA TM Based Releases with 1.5 kW DOL Starter, Phase Indicating lamps, ON/OFF/TRIP Indication, ON/OFF Push Button-1 Nos.						
1.2		MAIN PANEL-2	Nos.	-				
		Incomer : 40 AMPS 4P MCCB, 25kA with TM Based O/C & SC Release.						
		Meter & Protection: ELR with CBCT; 40/5A, 15VA, CL-1 CT's -3 Nos. for Schneider make Digital Load Manager (EM 6400 NG)						
		Indication: Phase indicating lamps with 6A MCB						
		Busbar: 75A TPN Cu Busbar						
		Outgoings:						
		a) 32A 4P MCB, 10kA-1 Nos.						
		b) 25A 4P MCB, 10kA-1 Nos.						
		c) 32A DP MCB, 10kA-1 Nos.						
		d) 40A DP MCB, 10kA-1 Nos.						

2.0	<u>SWITCHEARS & DISTRIBUTION BOARD</u>							
	Supplying & installing at site in positioning, connecting, testing and commissioning of the following type Distribution Boards & Switchgears. (IP-43) ACRY DB							
	Provide insulated dedicated earth link for UPS DB							
	All MCB's for UPS shall be D Curve, C Curve for Power & B Curve for Lighting.							
2.1	<u>SWITCHEARS</u>							
2.1.1	Supply, installation, testing and commissioning of sheet metal enclosures for the following switchgears.							
2.1.1.a	63/40/32/20 amps 4P MCB 'C' TYPE with complete with all mounting accessories – for Indoor Legrand make	Nos.						
2.1.1.b	63/40/32/20 amps DP MCB 'C' TYPE with complete with all mounting accessories – IP-65				-			
2.1.1.c	32 amps 4P MCB with 32A 5 Pin Ray Roll Socket complete with all mounting accessories waterproof (IP-65) for Kitchen	Nos.			-			
2.1.1.d	25 amps DP MCB with 25A 3 Pin Ray Roll Socket complete with all mounting accessories waterproof (IP-65) for Kitchen	Nos.						
2.1.1.d	16 amps DP MCB with 15A 3 Pin Ray Roll Socket complete with all mounting accessories waterproof (IP-65) for Kitchen	Nos.			-			
2.1.1.e	5/15 amps Switch Socket complete with all mounting accessories waterproof (IP-65) for Kitchen	Nos.			-			
2.2	<u>DISTRIBUTION BOARDS</u>							
2.2.1	6 WAY SPN DB - UPS DB Incomer : 20 AMPS DP MCB 10KA : 1 Nos. Outgoings : 6/10/16 A SP MCB "B" Type - 4 Nos.	Nos.	1	7,500	7,500	8,500	8,500	
				-				
				-				
				-				
2.2.2	8 WAY TPN - LPDB Incomer : 40A, FP, MCB, 10kA: 1 Nos Sub Incomer : 32A, DP, RCCB, 100mA: 3 Nos Outgoings : 10/16/20/25 A SP MCB "C" Type - 24 Nos. Outgoings : 32 A SP MCB "C" Type - 0 Nos.	Nos.	1	17,550	17,550	19,500	19,500	
				-				
				-				
				-				
				-				
2.2.3	12 WAY SPN DB - UPS DB Incomer : 32 AMPS DP RCBO 100mA Outgoings : 10/16/20 A SP MCB "C" Type - 6 Nos.	Nos.	-	9,450		10,500		
				-				
				-				
3.0	<u>MV CABLES</u>							
3.1	<u>POWER CABLING</u> Supply and laying, effecting proper connections, testing & commissioning of the following sizes of 1.1 KV XLPE FRLS armoured/ unarmoured PVC insulated PVC sheathed aluminium /copper conductor cables conforming to IS : 1554 and IS 694 for Flexible copper cable Part I - 1976 with latest amendments laid over MS supports in existing RCC ducts/ laid in ground /laid on Cable Trays including clamping the cables to supports in an approved manner as required complete with all accessories.All cables shall have thermo setting insulation XLPE and low emission of smoke and corrosive gas when affected by fire. Necessary Markers shall be provided at the intervals as per the specifications.							
3.1.1	Aluminium cables							
a	4C x 50 Sq.mm.	Mtr.		360		400		
b	3.5C x 35 Sq.mm.	Mtr.		315		350		
c	4C x 10 Sq.mm.	Mtr.	RO	180		200		

3.1.2		- do - but for copper cables			-		
a		4C x 25 Sq.mm.	Mtr.		2,025		2,250
b		4C x 16 Sq.mm.	Mtr.		1,152		1,280
c		4C x 10 Sq.mm.	Mtr.		675		750
d		4C x 6 Sq.mm.	Mtr.		495		550
e		4C x 4 Sq.mm.	Mtr.		315		350
f		4C x 2.5 Sq.mm.	Mtr.		243		270
g		3C x 6 Sq.mm.	Mtr.		315		350
h		3C x 4 Sq.mm.	Mtr.		225		250
i		3C x 2.5 Sq.mm.	Mtr.		171		190
3.1.3		CU Flexible Cables			-		
a		4C x 6 Sq.mm.	Mtr.		360		400
b		4C x 4 Sq.mm.	Mtr.		248		275
c		3C x 4 Sq.mm.	Mtr.		171		190
d		3C x 2.5 Sq.mm.	Mtr.		122		135
e		2C x 2.5 Sq.mm. for Earthing	Mtr.		99		110
					-		
3.1.4		, - do - but for copper flexible cables			-		
a		1c x 4 Sq.mm PVC insulated PVC flexible copper conductor cables alongwith termination (GREEN COLOUR)	Mtr.		63		70
		TOTAL FOR POWER CABLES			-		
					-		
3.2		CABLE TERMINATION			-		
		Making cable and terminations including brass single compression glands and crimping type copper lugs for cable sizes mentioned below for aluminium or copper.			-		
a		4C x 50 Sq.mm. AL	Nos.		675		750
b		3.5C x 35 Sq.mm.	Nos.		540		600
c		4C x 10 Sq.mm.	Nos.	RO	495		550
d		4C x 16 Sq.mm. CU	Nos.		495		550
e		4C x 10 Sq.mm.	Nos.		450		500
f		4C x 6 Sq.mm.	Nos.		405		450
g		4C x 4 Sq.mm.	Nos.		360		400
h		4C x 2.5 Sq.mm.	Nos.		315		350
i		3C x 6 Sq.mm.	Nos.		270		300
j		3C x 4 Sq.mm.	Nos.		360		400
k		3C x 2.5 Sq.mm.	Nos.		270		300
l		Flexible cable			-		
m		4C x 6 Sq.mm.	Nos.		360		400
n		4C x 4 Sq.mm.	Nos.		315		350
o		3C x 4 Sq.mm.	Nos.		270		300
p		3C x 2.5 Sq.mm. (Lighting)	Nos.		225		250
q		2C x 2.5 Sq.mm.	Nos.		180		200
					-		
					-		
3.3		RACEWAYS AND CABLE TRAYS			-		
3.3.1		TRUNKING: Fabricating supplying to site of installation, installation on ceiling/ surface 1.6 mm thick G.I. Trunking of height 50 mm and 2.0 mm thick openable cover, totally enclosed, the joints between two lengths of channels or between channel and junction box shall be joined together with 3 mm thick G.I. coupler plates & Reducers as per requirement. The cost shall including all supporting and fixing accessories with 8/10mm threaded Ros & Clamps etc. including dash fasteners.			-		
a		100 mm (wide) x 100 mm (height)	Mtr.		495		550
b		50 mm (wide) x 50 mm (height)	Mtr.		405		450
					-		

3.3.2		RACEWAY: Fabricating, supplying to site of installation, installation in the floor before the flooring from 2 mm thick pregalvanised MS CRCA sheet, totally enclosed, height 40 mm . The two lengths of raceways shall be fitted with Collars , 50 mm wide, 3 mm thick. The raceways shall be clamped to the floor slab with GI clamps 3mm thick and shall be screwed to the floor slab. The joint between raceway and junction box will be made with GI cover which will be nut bolted to the Junction box to cover the entire Junction box side walls complete as required etc. all the Raceways sections shall be earthed.								
a		100 mm (wide) x 40 mm (height)	Mtr.	RO	675			750		
b		65 mm (wide) x 40 mm (height)	Mtr.	RO	495			550		
					-					
3.3.3		JUNCTION BOXES: Fabricating supplying to site of installation, Junction boxes made from 2 mm thick pregalvanised sheet, with 3.0 mm thick pregalvanised cover including providing neoprene gaskets between the cover and the junction box, cadmium plated flat/round head screws, height as per site condition,totally enclosed. Proper cutouts shall be made in the side walls for raceway entry wherever required. The floor junction box shall be all side walls should be welded except top cover and all side walls shall have suitable size of rectangular knock out holes for taking raceways / conduits as required and not a complete cut out. The top cover should be sealed with M Seal to make it dust and water proof complete as required etc.								
		(variation in height may be considered for quoting as floor thickness may vary)								
a		250 mm x 250 x 60/50 mm (height)	Mtr.		1,395			1,550		
b		150 mm x 150 x 60/50 mm (height)	Mtr.		1,215			1,350		
c		100 mm x 150 x 60/50 mm (height)	Mtr.	5	900		4,500	1,000		5,000
					-					
3.3.4		CABLE TRAY: Design manufacture , supply and fixing in position the cable trays of the following sizes for supporting 1.1 KV grade armoured/unarmoured aluminium /copper conductor cables. Fabricate the cable trays from perforated 1.6/2mm thick M.S. CRCA sheet duly galvanised with expansion coupler plates duly galvanised, with bolts, washer and nuts. Knock out holes for cable connections as per approved design. The tray should comply with the specification of NEC (National Electric Codes) and NEMA (National Electric Manufacturers Association). The steel should be as per IS:226 and galvanising as per IS :2629/BS 729/ASTM 123. The rate shall also include for supporting steel , fish plates , fixing accessories , nuts bolts, supporting down rods , dash fastener, cutting the RCC etc. complete as required. (the horizontal and vertical bends, T's should be factory fabricated and the rate should include for the same)								
a		300 mm wide x 50 mm x 2.0 mm thk	Mtr.		765			850		
b		150 mm wide x 50 mm x 2.0 mm thk	Mtr.		585			650		
c		100 mm wide x 50 mm x 2.0 mm thk	Mtr.		495			550		
d		50 mm wide x 50 mm x 2.0 mm thk	Mtr.	5	450		2,250	500		2,500
					-					
					-					
4.0		POINT WIRING								
		Point wiring LENGTH from DB to SB or First Light point control be MCB shall be avg. of 15Mtr. of 3C x 2.5 sq mm FRLS PVC insulated stranded copper conductor wires. For SB to SB the length shall be measured in Mtr.								
		The secondary/Loop point length shall be 10Mtr from Light fixture to light fixture. If secondary point shall be operated from MCB then the length shall be 10 Mtr.								
		All sockets to be checked with a Check Plug socket tester for live-neutral reverse, no earth,neutral fault, live earth reverse, neutral earth reverse.								
		The Circuit No. and DB no. label shall be provided on all UPS ,RAW sockets and switchboards with label printer.								
		The Length shall be paid as per the actual measurements & as per following manner.								

4.1		Wiring for the Primary light points with 3C x 2.5 Sq.mm FRLS PVC insulated stranded copper conductor wires in GI conduits in F.ceiling/walls/ceiling as direc-ted from Distribution Board to Switch Board including providing 6 amps flush type switches, 5 sided G.I Boxes for housing switc-hes and earth-ing complete as required. Rates shall exclusive of Switches & Switch boxes.			-			
4.1.1		From DB to Normal Switch Board	Mtr.	30	279	8,370	310	9,300
4.1.2		From DB to Emergency Switch Board	Mtr.	30	279	8,370	310	9,300
4.2		Wiring for the following light points with 3 x 2.5 Sq.mm FRLS PVC insulated stranded copper conductor wires in GI conduits in F.ceiling/walls/ceiling as direc-ted including providing 6 amps flush type switches, 5 sided G.I Boxes for housing switc-hes and earth-ing complete as required from the above switch board. Rates shall exclusive of Switches & Switch Box. (FROM SB TO LIGHT)			-			
4.2.1		First point controlled by one no. 6 amp switch. (upto 10Mtr.)	Nos.	10	1,215	12,150	1,350	13,500
4.2.2		First point controlled by one no. 6 amp switch. (upto 20Mtr.)	Nos.	10	1,845	18,450	2,050	20,500
4.2.3		First point controlled by one no. 6 amp switch. For Emergency Light (upto 10Mtr.)	Nos.	2	1,215	2,430	1,350	2,700
4.2.4		First point controlled by one no. 6 amp switch. For Emergency Light (upto 20Mtr.)	Nos.	2	1,823	3,645	2,025	4,050
4.3		Same as item No. 4.2.1 & 4.2.2 above but LOOP POINT i.e. wiring of point looped from first point with 3C x 2.5 sq. mm FRLS PVC insulated copper conductor wire in concealed/exposed GI conduit and earthing	Nos.	8	675	5,400	750	6,000
4.4		Same as item No. 4.2.3 & 4.2.4 above but LOOP POINT i.e. wiring of point looped from first point with 3C x 2.5 sq. mm FRLS PVC insulated copper conductor wire in concealed/exposed GI conduit and earthing For Emergency Light	Nos.	6	630	3,780	700	4,200
4.5		Wiring for the following light points controlled by MCB in DB (Cost of MCB has been taken elsewhere in the tender) with 3C x 2.5 sq. mm FRLS PVC insulated copper conductor wires in concealed/exposed GI conduits as called for and earthing.			-			
4.5.1		First point controlled by existing MCB in D.B.	Mtr.	-	108		120	
4.5.2		First Emergency point controlled by existing MCB in D.B.	Mtr.	-	108		120	
4.6		Same as item No.4.5.1 above but LOOP POINT i.e. wiring of point looped from first point with 3C x 2.5 sq. mm FRLS. insulated copper conductor wire in concealed/exposed GI conduit and earthing	Nos.	-	765		850	
4.7		Same as item No. 4.5.2 above but LOOP POINT i.e. wiring of point looped from first point with 3C x 2.5 sq. mm FRLS. insulated copper conductor wire in concealed/exposed M.S. conduit and earthing For Emergency Lighting	Nos.	-	765		850	
4.8		Wiring for UPS/Raw plug outlets points with 3C x 4 sqmm FRLS PVC Insulated and PVC sheathed flexible cable with bright annealed electrolytic copper conductor , 1100 volt grade confirming to IS : 694-1990 with latest amendments, in existing Channels/ conduit in ceiling/walls/floor including all cable termination accessories) (including body earth for GI boxes)	Mtr.	160	158	25,200	175	28,000
4.9		Wiring for UPS/Raw plug outlets points with 4C x 4 sqmm FRLS PVC Insulated and PVC sheathed flexible cable with bright annealed electrolytic copper conductor , 1100 volt grade confirming to IS : 694-1990 with latest amendments, in existing Channels/ conduit in ceiling/walls/floor including all cable termination accessories) (including body earth for GI boxes)	Mtr.		225		250	
4.10		Providing and fixing in position the following GI RIGID conduits including all accessories concealed in F. ceiling/wall/floor as required including pull boxes with 3mm thick perspex sheet cover plate complete with 1.6 mm dia. G.I. pull wires in the length of conduit.			-			
4.10.1		20 mm dia GI Conduit	Mtr.		149		165	
4.10.2		25 mm dia GI Conduit	Mtr.	150	171	25,650	190	28,500
4.11		Providing and fixing in position the following GI FLEXIBLE conduits including all accessories concealed in F. ceiling/wall/floor as required including pull boxes with 3mm thick perspex sheet cover plate complete with 1.6 mm dia. G.I. pull wires in the length of conduit.			-			

4.11.1		20 mm dia GI Conduit	Mtr.		158		175	
4.11.2		25 mm dia GI Conduit	Mtr.	20	189	3,780	210	4,200
					-			
4.12		Supply & Laying of 2Cx2.5 Sq.mm FRLS Cu Flexible Cable in 25mm dia. GI Conduit for CCTV	Mtr.	60	81	4,860	90	5,400
					-			
5.0		MODULAR SWITCHES			-			
5.1		Supply, installation, testing & commissioning of following types of modular switches, cover plates, 5 sided G.I. Boxes for housing the modular switches & earthing complete as required. GI Boxes to have earth pin for body earthing. The Circuit No. and DB no. label shall be provided on all UPS ,RAW sockets and switchboards with label printer. (Make- Legrand Aretor Series)			-			
					-			
5.1.1		6A One Way Switch	Nos.	2	122	243	135	270
5.1.2		6A 5 pin Socket - 1Nos. & 6A Switch - 1Nos.	Nos.	10	180	1,800	200	2,000
5.1.3		6/16A Socket outlet - 1Nos. & 16A Switch - 1Nos.(Raw/UPS Power)	Nos.	20	279	5,580	310	6,200
5.1.4		5/15 amps Switch Socket complete with all mounting accessories waterproof (IP-65) for Kitchen	Nos.	1	450	450	500	500
5.1.5		20 Amp 1- Ph Industrial Socket (Metal Clad)	Nos.	6	1,260	7,560	1,400	8,400
5.1.5		32 Amp 3- Ph Industrial Socket (Metal Clad)	Nos.	-	5,130		5,700	
5.1.6		20 Amp 1- Ph Electrical Outlet	Nos.	6	1,755	10,530	1,950	11,700
5.1.7		Data Outlet (RJ-45)	Nos.	4	2,385	9,540	2,650	10,600
5.1.8		Telephone Outlet (RJ-11)	Nos.	1	1,980	1,980	2,200	2,200
					-			
6.0		GENERAL EARTHING			-			
6.1		Supplying and erecting following GI strip used for earthing on wall with necessary MS clamps fixed on wall/Cable trays/Hume pipes etc. The jointes shall be Bolted/Welded. The joints shall be painted with bituminous paint in an approved manner.			-			
6.1.1		25 x 3 mm	Mtr.	-	225		250	
6.2		Supplying and erecting bare Copper conductor of following sizes			-			
6.2.1		8 SWG	Mtr.	20	77	1,530	85	1,700
					-			
7.0		LIGHT FIXTURES INSTALLATION			-			
7.1		Receiving from Store, Installation, testing & commissioning of following light fixtures with complete installation hardwares including Anchor fastner, supporting Hook/Rods as per final approval from Architect/Client/Consultant			-			
					-			
7.1.1		GRID CEILING LIGHT	Nos.	10	225	2,250	250	2,500
7.1.2		CEILING MOUNTED LIGHT	Nos.	4	270	1,080	300	1,200
7.1.3		HANGING LIGHT	Nos.		270		300	
7.1.4		TRACK LIGHT	Nos.		270		300	
7.1.6		LED STRIP (15 M)	Mtr.		45		50	
7.1.7		WALL LIGHT	Nos.		225		250	
					-			
8.0		MISCELLANEOUS WORKS			-			
					-			
8.1		Supply & fixing in position approved shock treatment chart written in English, Hindi and Local language. These charts shall be framed in wooden frame & covered with clear glass.	Nos.	1	900	900	1,000	1,000
					-			
8.2		Supply & fixing in position the best quality danger notice boards of approved shape & size as reqd. by the local Electrical Inspecting Authority written in English, Hindi & local language. With Labeling of all electrical points and DB & panel etc.	Nos.	1	495	495	550	550
					-			
8.3		The contractor to submit all the AS BUILT DRAWINGS after the completion of the project for Electrical & ELV Services executed at site.	Part of Tender		-			
					-			
9		Detectors and Devices			-			

9.1		Supply,Installation,Testing & Commissioning of Horn / Strobe rated at 82 dBA @ 3m for Audible annunciation and 75cd flashing at 1 Hz for visual indication with Control modules and necessary accessories including back box.	Nos	1	31,500	31,500	35,000	35,000
9.2		Supply,Installation,Testing & Commissioning of Analogue Addressable Flash scan Type Photoelectric smoke detectors having Rotary, decimal addressing system with standard base, built in isolation function and junction box. The detector shall be capable to address in the range of 1-159. The detector shall be with Visible bi-color LEDs for 360 deg viewing and shall blink green every time the detector is addressed, and illuminate steady red on alarm.	Nos	4	2,205	8,820	2,450	9,800
9.3		Supply,Installation,Testing & Commissioning of Analogue Addressable Flash scan Type Heat Detector having Rotary, decimal addressing system with standard base, built in isolation function and junction box. The detector shall be capable to address in the range of 1-159. The detector shall be with Visible bi-color LEDs for 360 deg viewing and shall blink green every time the detector is addressed, and illuminate steady red on alarm.	Nos	2	2,340	4,680	2,600	5,200
9.4		Supply,Installation,Testing & Commissioning of Addressable Break Glass Manual Call Point having Rotary, decimal addressing system and having an integrally mounted addressable module that monitors and reports contact status.	Nos	1	1,125	1,125	1,250	1,250
					-			
10		SITC of 2Cx1.5sq.mm multistranded Armoured FRLS RED Colour, Mylan Shielded Screened cable	Mtrs	20	122	2,430	135	2,700
					-			
11		Response indicator.	Nos	1	180	180	200	200
		TOTAL FOR ELECTRICAL WORKS			Rs.	2,46,558	Rs.	2,74,120
8-0		CCTV System						
8-1		Supply Installation, testing & commissioning of Indoor type Analogue Dome Camera with 1/2" 2 Mega Pixel, integrated 4/6mm Fixed lens, Full HD high definition, Inbuilt Smart IR LED upto 10m distance, 0.02 lux color/0 lux with IR LEDs on, H.264, H.265 high profile, True Day/Night, & 12VDC operated, ONVIF compliant, with Junction box & required accessories.	Nos.	_____				
8-2		Supply, installation, testing & commissioning of 16 Channel Licence Server & hardware based Digital Video Recorder (DVR) with 3 Client licence, Embedded OS & pre-loaded video recording software, Minimum 256 Mbps incoming bandwidth and 256 Mbps outgoing bandwidth, 1x 1000Mbps Ports, ONVIF, H.265 high profile, 2 x HDMI & VGA output for monitor, Upto 40TB storage capacity, minimum 4 SATA Interfaces, upto 10TB capacity for each SATA, including 20TB Storage HDD (Hard Disk) @ recording resolution of 25fps @ 1080P and H.265 for 30 days, including required accessories. Vendor to submit Bandwidth & Storage calculation sheet.	Nos	_____				
8-3		Supply, laying, testing of RG 6 Cable for CCTV.	Mrt	_____				
8-4		Supply, laying, testing (for continuity) of 23 AWG Copper, Cat 6 UTP Cable, Data & Wi-Fi points including end termination, dressing, bunching of cables with identification ferruling.	Mrt	_____				
		TOTAL FOR MISCELLANEOUS WORKS			Rs.		Rs.	
11-0		UPS System						
		Supply,Installation, testing and commissioning of following type of Online UPS / Inverter as per drawings and specifications with all other accessories.	Nos.	_____				
		Online UPS						
		0.6 KVA UPS						
		12V DC maintenance free batteries for 30 minutes battery backup.						

		Input supply voltage:- 230-250 Volts-						
		Output voltage:- 220-240V+/- 1%						
		Voltage Regulation:- Less than or equal to +/- 1%						
		Output frequency :- 50 Hz +/- 0.05 Hz						
		Type of cooling :- Forced air cooled						
		Inverter Efficiency :- Better than 85%						
		Output Power factor :- 0.8						
		TOTAL FOR UPS				Rs:-	Rs:-	
E	HVAC WORK							
A	EQUIPMENTS							
1	AIR SCRUBBER							
		Modular Double skin Floor mounted air scrubber units made of 23+2mm thick PUF insulated panels extruded aluminum hollow profiles with 0.8mm thick pre-coated GI Outer Sheet & 0.8mm thick Plain GI (270gsm) inner sheet comprising of Intake section for duct connection, Al Wiremesh filter section, Wet section made of 20g SS Tank, Three Phase Pump (1w+1s), GI internal piping, Single Bank Spray Nozzles and 2bend PVC eliminators. Blower section with DIDW Aerofoil/ Backward/ Forward curved fans, drive set with V- belts, Spring type vibration isolators, wire guard on Fan section access door, fire retardant canvass connection at fan outlet, IE-2 motor (TEFC type & suitable for VFD operation) & LED lamps for blower section, limit switch for the fan section access door with a view port and damper at the outlet of unit. All dampers shall be low leakage aluminum aerofoil design and suitable for manual / motorised operation. Units exposed to open sky shall have weather proof canopy. The End Plates/Casing/blank offs of Eliminators shall also be made of SS.						
1.1		3000 CFM (65mm of wg Total St. Pressure)	No.	1	94,000	94,000	1,03,000	1,03,000
					-			
2	AIR WASHER							
		Modular Double skin Floor mounted air washer units made of 23+2mm thick PUF insulated panels extruded aluminum hollow profiles with 0.8mm thick pre-coated GI Outer Sheet & 0.8mm thick Plain GI (270gsm) inner sheet comprising of Al Wiremesh filter section, Wet section made of 20g SS Tank, Single Phase Pump (1w+1s), PVC internal piping, Distribution system, 200mm deep Cellulose Pads & 2 bend PVC eliminators. Blower section with DIDW Aerofoil/ Backward/ Forward curved fans, drive set with V- belts, Spring type vibration isolators, wire guard on Fan section access door, fire retardant canvass connection at fan outlet, IE-2 motor (TEFC type & suitable for VFD operation) & LED lamps for blower section, limit switch for the fan section access door with a view port and damper at the outlet of unit. All dampers shall be low leakage aluminum aerofoil design and suitable for manual / motorised operation. Units exposed to open sky shall have weather proof canopy. The End Plates/Casing/blank offs of Pads & Eliminators shall also be made of SS.						
					-			
2.1		2700 CFM (50mm of wg Total St. Pressure)	No.	1	78,300	78,300	84,500	84,500
					-			
B	AIR DISTRIBUTION							
		(FOR FACTORY FABRICATED DUCTS AS PER "SMACNA" STANDARDS & SPECIFICATIONS)						
1		Supply, Fabrication, installation and testing of factory fabricated sheet metal ducts with sleeve joints and supports complete with the approved shop drawings and as required by the specifications and hanging of the ducts to be done by thread wire on metal cushion with gripple support.						
					-			
		18 G sheet	sq.m	-	1,260		1,400	

		20G sheet	sq.m	5	1,125	5,625	1,250	6,250
		22G sheet	sq.m	5	990	4,950	1,100	5,500
		24G sheet	sq.m	25	810	20,250	900	22,500
		26G sheet	sq.m	-	711	-	790	-
2		Supplying and erecting GI sheet of fabricated at site and mentioned gauge to be used for fabrication of ducting complete with neoprene rubber gaskets, elbows, splitter dampers, vanes, hangers, supports etc. as per approved drawings and specifications of following sheet thickness complete as required:				-		
						-		
		18 G sheet	sq.m	5	1,215	6,075	1,350	6,750
		20G sheet	sq.m	5	1,080	5,400	1,200	6,000
		22G sheet	sq.m	5	945	4,725	1,050	5,250
		24G sheet	sq.m	5	765	3,825	850	4,250
						-		
3		Supply, installation, testing and balancing of powder coated Extruded Aluminium Supply air Grilles with volume control dampers in accordance with the approved shop drawings and specifications. (Minimum Chargable area would be 0.1 Sqm Per Pc)	SQMT	1	7,830	7,830	8,700	8,700
						-		
4		Supplying & fixing of opposed blade volume control dampers in supply air duct collars as per approved drawings and specifications. Volume control damper shall be provided at the junction of each branch duct with main duct. Dampers shall be 2 gauge heavier than the gauge of large duct but should not be less than 20 gauge, and shall be rigid in construction so as not to flutter with the passage of air.	SQMT	1	7,380	7,380	8,200	8,200
						-		
5		Supply, fabrication, installation and testing the flexible connections constructed of fire resistance flexible double canvas sleeve as per the approved shop drawings.	Nos.	-	2,970	-	3,300	-
						-		
6		Supply, installation, testing and balancing of Powder coated/Anodised extruded aluminium construction exhaust air louvers with bird screen for exhaust air as per specifications and approved shop drawings. (Minimum Chargable area would be 0.1 Sqm Per Pc)	SQMT	0	6,750	675	7,500	750
						-		
7		Supply, installation, testing and balancing of Powder coated/Anodised extruded aluminium construction. inlet air louvers with bird screen and volume damper for fresh air as per specifications and approved shop drawings.	SQMT	0	7,380	738	8,200	820
						-		
C		THERMAL INSULATION				-		
						-		
1		THERMAL INSULATION FOR KITCHEN DUCTS				-		
		SITC of Glass Fibre Blanket Insulation material bonded with Thrmosetting Resin, with factory applied laminated aluminium foil of 22 micrns with fibre glass backing. Nominal density : 48 Kg/CuM. Thermal conductivity, < 0.033 W/m.K at 24 degreeC. All Insuation material and adhesives shall be as per Class I for surface spread and in accordance with BS 476, & Class O for non-combustible grade.				-		
		80 mm Thick	sq.m	20	720	14,400	800	16,000
						-		
D		ELECTRICAL INSTALLATION				-		
1		CONTROL PANEL FOR AHU / Air washer / Scrubber (WITH DOL / SD STARTER)				-		
		Design, manufacture, supply, installation, testing and commissioning of the following cubicle type, dead front, sheet steel, wall mounted control panels including anchoring into the wall, wiring, incoming, earthing & terminating into MCCB in each panel shall be provided by the electrical contractor.				-		
						-		

	All internal wiring power cabling and copper earthing of air handling unit motors from the panel shall be included.				-			
					-			
	All outgoing shall be provided with Stop / Manual /Auto selector switch to facilitate operation through BAS. All starters shall be provided with potential free Contact for Connections to Building Automation System.				-			
					-			
	The panel shall include the following components and accessories.				-			
					-			
a.	MCCB as per the ratings given below, suitable for motor duty and able to withstand fault level of 20 KA.				-			
					-			
b.	DOL / SD starter as per HP ratings				-			
					-			
c.	Terminal block for power distribution.				-			
					-			
d.	Contactor, over load relay with built in single phasing protection.				-			
					-			
e.	Phase indicating lights and indicating light for ON status.				-			
					-			
f.	Digital voltmeter and digital ammeter with selector switches.				-			
					-			
g.	Time delay relay for delayed automatic restart of air handling unit motor.				-			
					-			
h	For on/off/remote and local operation, 3 pole single throw switch shall be provided in each AHU panel to facilitate override of the automatic operation.				-			
					-			
i	All starters shall be provided with suitable potential free contract for connections to the Building Automation System.				-			
					-			
	The number of AHU control panels shall be as follows.				-			
					-			
	3 HP DOL Starter	No.	1	18,000	18,000	21,500	21,500	
	5 HP DOL Starter	No.	1	22,000	22,000	24,500	24,500	
	TOTAL of HVAC WORKS					2,94,173	3,24,470	

Jogeswar Sahu

From: Kundan Suthar <sutharkundan77@gmail.com>
Sent: 17 May 2023 18:43
To: Binu Balachandran
Cc: Dheeraj Yadav; Jogeswar Sahu; Lovejot Sekhon; Manish Kumar-New; Rituparn Sharma
Subject: Re: TFA | Karnal | NOODLE-KARIMS-GIANIS

Dear Sir
I accept the same.

On Wed, May 17, 2023 at 6:41 PM Binu Balachandran <binu.balachandran@k-corp.in> wrote:

Dear Mr Suthar,

As discussed and agreed the final amount shall be 28.83 Lacs (before taxes) with a advance of 30% against work order. Please plan work commencement from 19-05

Regards

Binu Balachandran

+91-8452876061

From: Kundan Suthar <sutharkundan77@gmail.com>
Sent: Wednesday, May 17, 2023 3:47 PM
To: Jogeswar Sahu <jogeswar.sahu@travelfoodservices.com>
Cc: Binu Balachandran <binu.balachandran@k-corp.in>
Subject: Re: TFA | Karnal | NOODLE-KARIMS-GIANIS

Dear Jogeswar ji

As discussed over the phone, we are submitting our final quote 30.50 lakh for the karnal project. I hope this is workable for both of us.

Regards

Kundan

On Wed, 17 May 2023 at 10:12, Kundan Suthar <sutharkundan77@gmail.com> wrote:

Dear Jogeswar ji,

Thanks for your offer, We have given the best quote as we are working together in faridkot. So it is requested that you kindly consider the same quote.

If you need any clarification, please feel free to contact us.

Regards

Kundan

On Tue, 16 May 2023 at 16:02, Jogeswar Sahu <jogeswar.sahu@travelfoodservices.com> wrote:

Dear sir,

Further your proposal, we share you our suggested target offer. Kindly share your revised quotation.

Thanks & Regards,

Jogeswar Sahu

9082949517

From: Kundan Suthar <sutharkundan77@gmail.com>

Sent: 12 May 2023 11:01

To: Jogeswar Sahu <jogeswar.sahu@travelfoodservices.com>

Cc: Binu Balachandran <binu.balachandran@k-corp.in>

Subject: Re: TFA | Karnal | NOODLE-KARIMS-GIANIS

Dear Sir,

We would like to thank you for giving us an opportunity and being invited for the bidding for the up-coming project- food court at Karnal Haveli Haryana.

Please find attached our best quote Interior, Electrical, Plumbing and HVAC work, The followings are considered for quoting of boq:--

1. All statutory approvals, fee, sanctions etc. required for work are not under our scope.
2. GST extra as per applicable.
3. Water and electricity for work shall be made available free of cost on site.
4. Required of 5-7 Days for team and material mobilization.
5. Comments given inside of column to be considered in the specs.
6. Payment term-
 - A. 30% advance along with work order.
 - B. 30% On Completion of 60% work.
 - C. 25% On completion of 95% work
 - D. 10% After completion of 100% work with as per final bill within 15 days.
 - E. 5% Retention for 6 month.
7. Local union costs will be charged extra as per actual if required to pay.
8. All passes and permissions required to carry out the work are not in our scope of work.
9. Require all detailed design and drawings on day one to meet the given timeline.
10. Rate quoted with 24x7 working timing, if work permission is not allowed in day time then rate will be charged 10% extra.

If you need any clarification, Please feel free to contact us.

Regards & Thanks

Kundan
9971387051

On Fri, 28 Apr 2023 at 12:59, Jogeswar Sahu <jogeswar.sahu@travelfoodservices.com> wrote:

Dear sir,

Please find attached the consolidated BOQ for Karnal Haveli, Haryana for below outlets. Kindly share quotation.

1. Noodle wok
2. Karims
3. Gianis

Junaid Munshi <>

Thanks & Regards,

Jogeswar Sahu

Purchase Department

9082949517