

Purchase Order

Semolina Kitchens Private Limited Order Number : Semolina/PO/24-25/000644

Supplier Detail	Shipped Location	Invoice Location
Shah Enterprises Supplier Code : RV232417624 [V000471] (V000471)	Semolina Kitchens Private Limited Trivandrum Near shanmugham Beach, Administrative Building, Trivandrum International Airport, Airport Road, Thiruvananthapuram, Thiruvananthapuram, Thiruvananthapuram, Kerala, 695008	Semolina Kitchens Private Limited Trivandrum Near Shanmugham Beach, Administrative Building, Trivandrum International Airport, Airport Road, Thiruvananthapuram, Thiruvananthapuram, Thiruvananthapuram, Kerala, 695008 GSTIN No : 32ABICS8699F1ZS
PAN No : AYHPS0274P Supplier GST No : 27AYHPS0274P1ZQ Supplier Contact No : Contact Person Name : Sabir Ali Shah Supplier Email : shahenterindia@gmail.com	Cost Center Code : 90710038 Cost Center Name : TVD THE LOUNGE INTL Project ID : PO Category : Capex NSO	Payment Term : Payments Terms: Advance - 50% within 7days of Work Order acknowledgement (by the vendor). RA Bill 1- Up to 70% upon 80% work completion & submission on Tax Invoice. Final Bill- Up to 95% upon 100% work completion & signed JMR. Retention- 5% up to the DLP of 6 months from the date of successful virtual completion of the project. PO Creation Date : 11/07/2024 PO Approval Date : 26/07/2024 PO Currency : INR Buyer Name : Stephen P

Sr.No	Item Code	HSN\SAC Code	Item Name	Item Description	Pur. Grp.	Qty	UOM	Basic Rate	Dis%	Net Rate	Total Amount	IGST %	Gross Total Amount
1		9954	Civil & Interior work	Civil & Interior work for TVD THE LOUNGE INTL	B01	1.00		6,303,178.00	0.00	6,303,178.00	6,303,178.00	18	7,437,750.04
2		995463	Plumbing Work	Plumbing Work, for TVD THE LOUNGE INTL	C01	1.00		590,000.00	0.00	590,000.00	590,000.00	18	696,200.00
3		995461	Electrical Work	Electrical Work for TVD THE LOUNGE INTL	C01	1.00		1,662,141.00	0.00	1,662,141.00	1,662,141.00	18	1,961,326.38
4		8415	HVAC Low Side work	HVAC Low Side work for TVD THE LOUNGE INTL	C01	1.00		580,991.00	0.00	580,991.00	580,991.00	18	685,569.38
5		8415	HVAC High Side work	HVAC High Side work for TVD THE LOUNGE INTL	C01	1.00		790,000.00	0.00	790,000.00	790,000.00	28	1,011,200.00

Total Qty : 5.00

Total Basic PO Amount	9,926,310.00
Total Other Charges	
IGST Amount	1,865,736
Grand Total PO Amount	11,792,045.80

Amount In Words : Rupees One Crore Seventeen Lakh Ninty Two Thousand Fourty Five And Eighty Paise Only

Remarks : Completion timeline will Be 45 days from the date of Work Order.

The CONTRACTOR shall pay liquidated damages as under, for any delay in the physical completion of the works

5% of the contract value for delay during Week 1

7.5% of the contract value for delay during Week 2

10% of the contract value per week for delay from Week 3 onwards.

Liquidated damages shall be levied after having given sufficient time to contractor for providing their justification and clarification to Clients management against any deduction and written consent of contractor agreeing to the deductions.

Except for following delay not attributed to SHAH ENTERPRISES.

· Also delay due to Decision makings, approvals will be considered.

· If any extra work beyond BOQ is assigned, extra working days might be provided.

· Any delay due to Airport related issues like stoppage of work due to VIP movements, security, Permissions, etc will be considered.

Standard Terms And Condition :

Completion / Delivery TimeLine : 45 Days from date of Work Order

Mobilization Date : 11/07/2024

Defects Liability Period : 6 Months from the date of Completion of Project

Retention Percentage : 0

Escalation Buyer Detail		
Name	Mobile No.	Email - ID
Stephen P.	8553338827	
Pushpak Shewale	8268330691	

Disclaimer :

Point 1 : 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.

Point 2 : Supplier is requested to acknowledge or decline the order within 24 hours or else it would be considered as accepted.

ItemCode :

ItemName : Civil & Interior work

Sr No	Item Code	Item Name	UOM	Remarks	Quantity	Supplier Rate	Amount
1		P or L12-15mm thick plaster in cement mortar 1 4 (1 cement 4 coarse sand) to ceiling, all types of R.C.C. work, brick work surfaces at all levels in line, level and plumb including smooth cement finish and providing necessary grooves at junctions of walls. Rate shall be inclusive of scaffolding and complete with curing etc	Sq.m.		225.00	0.00	0.00
2		FOH Area Floor Tiles-01 (1200 x 600) - Providing and laying of VITRIFIED floor tile of size 1200 x 600 mm of approved make and Shade laid over 40 mm thick cement mortar 1 4 (1 cement 4 coarse sand) mix jointed with white cement slurry, mixed with pigment to match color of tile. Cost to include chamfering if any, cutting, edge rubbing etc., complete as per design and drawing, with 3 mm Spacers finished with Matching Epoxy Grouting. Necessary Protection by covering with PVC sheet shall be provided for Flooring till the handover of the Outlet. It has to meet the specs of RA level. (Base rate of Tiles @ Rs. 75.00 Sqft)	Sqm		75.00	2,475.00	185,625.00
3		Toilet Lobby - Providing and fixing 16 to 18mm thick Granite Stone for Flooring laid over 30 mm. thick cement mortar 1 4 (1 cement 4 coarse sand) and jointed with cement slurry complete as per pattern and design including full round moulding, rubbing, polishing curing as required complete in all respect. (Basic cost of granite stone @ Rs. 250.00 Sqft)(Actual size of stone to be measured paid).	Sqm		5.00	4,842.00	24,210.00
4		Executive Lounge area - Providing fixing carpet flooring (1500GSM 12 to 14mm thick Nylon Printed Customized) with 8mm thick underlay base foam including all fixing arrangement complete in all respect. (Basic cost of carpet @ Rs.400.00 Sqft)	Sqm		27.00	5,380.00	145,260.00
5		Reception, Manager Cabin, Male Female toilet, Kitchen FOH Area - Providing and fixing split level gypsum board false ceiling (Fire Rated) including providing and fixing GI grade 175 (120 gm or m2) perimeter, channels (20 x 30 x 27 x 0.50mm thick) fixed to brick masonry or partition or hanging with existing ceiling or existing M.S. frame work and suspended GI intermediate channel. Rate to include making necessary cut out or opening for light fitting A C diffuser etc. The cut out to have perimeter channel of size 20x27x30x.5mm all round and supported suitably and finally finished with gypsum board and finally finished with required tapping the joints, base primer, putty to receive paint complete in all respect. (Actual plan area to be measured paid.).	Sqm		115.00	2,560.00	294,400.00
6		MS work for supporting Wooden Rafters - Supplying, fabricating, and fixing in position at all heights and levels with all leads, with structural steel works like Angles, channel, Flats, Tees, Pipes, Tubes, insert plates, bolts, fasteners, I-beams, girder, cleat etc. all as per structural drawings and including Cutting of components to required lengths or widths and shapes or profiles, welding, grinding, scaffolding finally finished with base primer paint of approved make shade complete in all respect.	KG		650.00	265.00	172,250.00
7		Providing Making fixing in position Wooden rafters (20mm x 50mm) made of Acacia Wood finish with Veneer of approved make shade including all fixing arrangement finally finish with polish as required complete in all respect. (Base rate of Veneer @ Rs. 150.00 Sqft)	Sqm		48.00	6,187.00	296,976.00

8		350 x 350mm	Nos		1.00	2,250.00	2,250.00
9		Male female toilet entry door - Providing and fixing 32 mm. thick flush door shutters core of 25mm thick HDHMR Board construction with well matched 1mm thick laminate sheet of approved make shade on inner faces of shutter external face of shutter finish with 6mm thick MDF panels to mke dilla type finished with PU Paint of approved make shade including teak wood edge lipping (10mm thick) finish with PU Paint, all required fittings such as 4 nos. 125 mm. size brass butt hinges with necessary screws and S.S. fittings including handles, tower bolts, door stopper, rubber buffer, lock etc. complete in all respect.(Basic cost of laminate @ Rs. 90.00Sqft) (Actual size of shutter to be measured paid). 750 x 2100	Nos		2.00	36,500.00	73,000.00
10		FAÇADE WORK - Bulkhead - Providing fixing 175mm wide 300mm high bulkhead made of double MS framework of 50x50mm (framework to be followed with Fire Resistant Coating)wrapped with 12mm thk. HDHMR board all outer side out side, top Bottom surfaces. Top 90mm wide part front 300mm high 175mm wide bottom patta to be finished with lamiante of approved make shade. Support of bulkhead to be taken from existing airport MS frame work welded with vertical MS Members Please refer the elevation drawing and ceiling drawing for more details of bulkhead and partition or paneling. Rate is inclusive of all necessary hardware, wastage, making provision for fixing signages, electrical wiring fixtures. Measurement as per elevation. (Base Rate of laminate @ Rs.90.00 Sqft)	Sqm		9.00	11,575.00	104,175.00
11		Providing fixing 200mm dia betan copper bowl screen as per design over existing HDHMR paneling including all fixing arrangement	Sqm		13.00	7,500.00	97,500.00
12		In Façade Dinning Area Side - Providing fixing Teracota jali 60 x 200 x 200mm as per approved sample between aluminium glazing including all fixing arrangement complete. The rate inclusive of all height lead lift, required equipements, labour, scaffolding etc,	Sqm		9.00	11,836.00	106,524.00
13		In Façade Dinning Area Side - Providing and applying self adhesive 3M Scotchal frosted crystal film of approved make to glazed partitions as per design and detail. Graphic patterns to be computer cut selected from manufacture feet s design pattern. Note Frosted film to be measured and paid for the actual fixed area only.	Sqm		7.00	2,250.00	15,750.00
14		Male Female Toilet Wall Tiles (Teal Blue) above 900 to 2400mm ht - Providing and fixing 1st quality ceramic glazed wall tiles (75 x 300) (thickness to be specified by the manufacturer), of approved make, in all colours, shades of any size as approved by Engineer-in-Charge, for dados, over 12 mm thick bed of cement mortar 1 3 (1 cement 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete. (Basic cost of tiles @ Rs.200.00 Sqft)	Sqm		17.00	4,500.00	76,500.00
15		Reception Back wall tiles - Providing and fixing teracota wall tiles (100 x 225mm) (thickness to be specified by the manufacturer), of approved make for dado, with adhesive of approved make over existing HDHMR board paneling including pointing in white cement mixed with pigment of matching shade of tile complete. (Basic cost of tiles @ Rs.130.00 Sqft)	Sqm		9.00	3,389.00	30,501.00

16		Providing and fixing of 18 mm thk. Granite stone strip (50mm wide)wall over a bed of 12 mm thk. Cement mortar 1 4 (1 Cement 4 coarse sand) joints filled with epoxy adhesive to match the color of granite. Rate shall be including polished granite, necessary wastage, cutting, edge grinding and polishing as per the instructions of the Project Manager, complete. (Base Rate of Granite @ Rs. 250.00 Sqft)	Rmt		45.00	950.00	42,750.00
17		Providing and applying 2 or more coats of Acrylic Emulsion paint on walls wherever advised . The surface shall be thoroughly cleaned and prepared by raking sand papering and applying putty to achieve smooth and truly levelled surface. Required number of coats and type of primer as prescribed by manufacture shall be applied before the application of finishing coat as recommended by manufactures feet specification	Sqm		165.00	592.00	97,680.00
18		Male Female toilet Counter - Providing and fixing of Vanity counter without storage unit. The Counter top shall be formed out of 18-19 mm thk Granite stone shall be formed to shape with 19mm thick HDHMR board backing as per the details., Edge finished with 2mm thk PVC Edge banding as per the detail drawings Complete. (Base Rate of Granite @ Rs. 250.00 Sqft) (Counter size 600 x 450mm)	Nos		2.00	19,000.00	38,000.00
19		providing placing in position lamiante finish Pedistal 400 x 300mm x 600mm made of 19mm thick HDHMR borad with nesessary drawer shelves finish with laminate of approved make shade complete. (base Rate of Laminate @ Rs. 90.00 Sqft)	Nos		1.00	10,500.00	10,500.00
20		MISC. Work			0.00	0.00	0.00
21		ANTI TERMITE TREATMENT- Area ALL BOH FOH - Providing doing anti termite treatment with IMIDACLOPRID (OZIER) for entire area (Pest control) Diluting and injecting chemical emulsion 3 inch in floor for pre constructional Anti Termite treatment and creating a continuous chemical @ 4 feet center to center barrier all over as per manufacturer specification and ISI standards. (OR AS APPVD.) including a 1 year guarantee under suitable undertaking on stamp paper etc, complete as directed by Architect.(Mode of measurement is to be carpet area of floor and not the area of surface treated).	Sq.m.		175.00	0.00	0.00
22		CIVIL WORK			0.00	0.00	0.00
23		FALSE CEILING WORK			0.00	0.00	0.00
24		Providing fixing Trap door to be made of 12mm thick HDHMR board finished with paint to match the shade of false ceiling. The trapdoor edges to be finished with 10mm thick teak wood lipping. The item is inclusive of all fittings, fixtures and hardware; providing fixing all necessary SS hinges (concealed), approved locking system, tied with safety chain, any frames, necessary support structure from the ceiling for fixing the trap door shutters, shadow gap, tools and tackles etc. Rate shall include all wastage, necessary cutting,all leads and lifts at all levels, loading and unloading, transportation and all other incidental charges, cost of materials, providing patterns,as per design, labour, etc.,complete as per specification, design details,as per the instructions of the Architect or Engineer in charge. Refer to detail drawing			0.00	0.00	0.00

25		Wooden Door Frame - Providing and fixing 125 x 50mm Sal wooden door and window frames with single rebate including necessary hold-fasts on either side fixed in line and level, edges, mouldings over rough ground wooden frame cutting of grooves, edges, mouldings. The frame to be treated with necessary anti-termite chemical and fire retardant paint, PU Paint as required complete in all respect.	Cum		0.15	122,542.00	18,381.30
26		Manager Room Bar Storage - Providing and fixing 32 mm. thick slidding flush door shutters core of 25mm thick HDHMR Board construction with well matched 1mm thick laminate sheet of approved make shade on inner faces of shutter external face of shutter finish with 6mm thick MDF panels to mke dilla type finished with PU Paint of approved make shade including teak wood edge lipping (10mm thick) finish with PU Paint, all required hardwre for slidding arerangement with necessary screws and S.S. fittings including handles, tower bolts, door stopper, rubber buffer, lock etc. complete in all respect.(Basic cost of laminate @ Rs. 90.00Sqft) (Actual size of shutter to be measured paid). (Male female toilet Kitchen entry door)			0.00	0.00	0.00
27		Front of Toilet RAISED AREA (up to 150 mm) - Providing Filling light wt. Siporex block bats to conceal drainage plumbing lines. The Top layer should be finished properly to receive P.C.C base flooring layer on it. The same shall be completed as per the details are provided in drawings or as directed by Architect.	Sq.m.		2.00	0.00	0.00
28		TILING WORKS, FLOORING			0.00	0.00	0.00
29		MOH Area Floor Tiles-02(1200 x 600) - Providing and laying of VITRIFIED floor tile of size 1200 x 600 mm of approved make and Shade laid over 40 mm thick cement mortar 1 4 (1 cement 4 coarse sand) mix jointed with white cement slurry, mixed with pigment to match color of tile. Cost to include chamfering if any, cutting , edge rubbing etc., complete as per design and drawing, with 3 mm Spacers finished with Matching Epoxy Grouting. Necessary Protection by covering with PVC sheet shall be provided for Flooring till the handover of the Outlet.It has to meet the specs of RA level. (Base rate of Tiles @ Rs. 75.00 Sqft)	Sqm		23.00	2,475.00	56,925.00
30		Anti-skid Commercial Tiles -03 (BOH Area) - Providing and laying of Anti-skid VITRIFIED Commercial floor tile of size 600 x 600 mm of approved make and Shade laid over 40 mm thick cement mortar 1 4 (1 cement 4 coarse sand) mix jointed with white cement slurry, mixed with pigment to match color of tile. Cost to include chamfering if any, cutting , edge rubbing etc., complete as per design and drawing, with 3 mm Spacers finished with Matching Epoxy Grouting. Necessary Protection by covering with PVC sheet shall be provided for Flooring till the handover of the Outlet.It has to meet the specs of RA level. (Base rate of Tiles @ Rs. 80.00 Sqft)	Sqm		42.00	2,550.00	107,100.00
31		Toilet Area Floor Tiles - Providing and laying of VITRIFIED floor tile of size 1200 x 600 mm of approved make and Shade laid over 40 mm thick cement mortar 1 4 (1 cement 4 coarse sand) mix jointed with white cement slurry, mixed with pigment to match color of tile. Cost to include chamfering if any, cutting , edge rubbing etc., complete as per design and drawing, with 3 mm Spacers finished with Matching Epoxy Grouting. Necessary Protection by covering with PVC sheet shall be provided for Flooring till the handover of the Outlet.It has to meet the specs of RA level. (Base rate of Tiles @ Rs. 110.00 Sqft)	Sqm		4.00	2,987.25	11,949.00
32		750 x 2100	Nos		1.00	34,500.00	34,500.00

33		Palmet above Sliding door - Fabricating and installing the pelmet made out of 19MM thk. HDHMR board finish with 1mm thick laminate both sides 150 MM height and width approx 100 mm width and in line level with sliding door as per detailed drawings or site instructions. Rates to include finishing exposed surfaces of the pelmet with HDHMR Board with headless nails and finishing at but Joint sample need to approved From Architect.	Rmt		4.00	1,850.00	7,400.00
34		PARTITION, PANELING FRAMING WORK			0.00	0.00	0.00
35		FOH MOH Area Paneling over MS Frame work - Providing and fixing 12mm thick HDHMR ply of approved make on one or both sides of existing M.S. frame work including all fixing arrangement complete in all respect .	Sqm		620.00	1,614.00	1,000,680.00
36		Male, Female toilet Toilet Lobby - Providing fixing of Hand Wash Mirror of approx. size 450x900mm with 6mm thick Silver Mirror pasted on two layers of 19mm th. BWP ply backing with approved adhesive (Top layer and Mirror cut to shape as per elevation and bottom layer shorter in size to house LED profile for edge lighting), Mirror and top layer ply to be covered with 25mm SS PVD coated (Gold finish) edge binding. It is to be hung on the wall with all necessary arrangements hardware. Rate shall include all incidental, cutting, staging, scaffolding, provision for electrical point for back cove, fixing profile lights etc, all complete in all respects as per drawing, Measurement as per elevation. (Make- Saint Gobin) (Basic Rate of Mirror Rs.200 or Per Sqft.)	Sqm		3.00	10,775.00	32,325.00
37		Providing and fixing 1mm thick laminate panelling with Grains necessary grooves over existing partition as per approved sample including all fixing arrangement grooves finishing as required complete in all respect. Only finished area to be measured paid.(Basic cost of Laminate@ Rs.175.00Sqft).	Sqm		45.00	3,874.00	174,330.00
38		WALL FINISHES WORK			0.00	0.00	0.00
39		Buffet Counter Back wall Tile - Providing and fixing Mosaic tiles (20 x 20mm) , of approved make for dado, with adhesive of approved make over existing HDHMR board paneling including pointing in white cement mixed with pigment of matching shade of tile complete. (Basic cost of tiles @ Rs.700.00 Sqft)	Sqm		30.00	9,469.00	284,070.00
40		Providing and applying texture paint with undercoat and sealer, on pop puning wall as per manufacture recommendation. Rate to be inclusive of required scaffolding, required base work for texture required tool plants etc., complete as per architect feet s approval. (Base Rate of texture Paint @ Rs. 165.00 Sqft).	Sqm		8.00	2,959.00	23,672.00

41		<p>Providing and Fixing Reception table with Top, side and facia of upper level to be finished in Laminate of approved make shade as per design (L Type 650 + 2100 x 650 x 750 or 1050)</p> <p>The table shall be executed in split levels. The top level shall be 1050mm high and 300mm wide Laminate finish the second level shall be the working level at 750mm (finished). The worktop level, Side Facade finish in Stone 1mm thick brass laminate on round pillar as per design. The edge of stone chemfered internal side edges shall be finished in PVC edge binding factory pressed in a reverse bevel edge. The facia shall have finished with Combination of laminate, 1mm thick brass laminate stone on the outside and laminate on the Inside. Table to have provision for raceways as per details.</p> <p>Table shall be provided with 2 storages below the countertop consisting of open pencil drawer and one deep drawer. All necessary accessories like hinges, locks, profile handle, magnetic catchers, shall be of hettich make or equivalent. The channels used for the drawers shall be side mount, fully extendable, self closing type in SS. Hardware (Base Rate of Stone @ Rs. 750.00 Sqft Laminate @ Rs. 90.00 Sqft Base rate of brass laminate @ Rs. 350.00 Sqft)</p>	Nos		1.00	165,000.00	165,000.00
42		<p>Dinning Area - P or F Buffet counter comprising of 18mm thk. prepolish granite top with SS inlay as per dwg. with 19x6mm SS inserts to be used as sliding rail. Front and side part of the shell to be finished in Ribbed laminate of approved make shade with some openable shutters and some without shutter shelf all internal surface to be finished in Calcutta white stone SS PVD coated in Gold finish skirting. The entire counter will be in MS Frame work with 19mm thick HDHMR Board with necessary shelves. All internal surface of storages to be finished with laminate all external surface to be finished with ribbed Laminate of approved make shade all exposed edges to be finished with edge tape included all hardware of approved make complete in all respect., Basic Rate of Granite Stone 250.00 Sqft Calcutta White Stone 850.00 sq. ft. Laminate @ Rs 90.00 Sqft. (5700 x 650mm Deep 900mm High)</p>	Sqm		6.00	55,000.00	330,000.00
43		<p>Door Jambs in Granite - BOH Area- Providing and fixing of 19 mm thk. Black Granite Jamb in floor or wall over a bed of 20 mm thk. Cement mortar 1 4 (1 Cement 4 coarse sand) joints filled with epoxy adhesive to match the color of granite. Rate shall be including polished granite, necessary wastage, cutting, edge grinding and polishing as per the instructions of the Project Manager, complete. Width of Jamb 200 mm. Basic</p>	Rmt		8.00	1,950.00	15,600.00
44		150 x 150	Nos		3.00	1,650.00	4,950.00
45		DOOR WINDOW WORK			0.00	0.00	0.00

46		BOH Area entry door - Providing and fixing 32 mm. thick flush door shutters with vision slit (325 x 475mm) core of 25mm thick HDHMR Board construction with well matched 1mm thick laminate sheet of approved make shade on inner faces of shutter external face of shutter finish with 6mm thick MDF panels to mke dilla type finished with PU Paint of approved make shade including teak wood edge lipping (10mm thick) finish with PU Paint, 6mm thick toughened glass for vision panel, all required fittings such as 4 nos. 125 mm. size brass butt hinges with necessary screws and S.S. fittings including handles, tower bolts, door stopper, rubber buffer, lock etc. complete in all respect.(Basic cost of laminate @ Rs. 90.00Sqft) (Actual size of shutter to be measured paid). 1200 x 2100 with Vision Panel	Nos		1.00	65,000.00	65,000.00
47		900 x 2100	Nos		1.00	36,500.00	36,500.00
48		M.S. Frame work for Partition paneling with Existing airpor wall - Supplying, fabricating, and fixing in position at all heights and levels with all leads, with structural steel works like Angles, channel, Flats, Tees, Pipes, Tubes, insert plates, bolts, fasteners, I-beams, girder, cleat etc. all as per structural drawings and including Cutting of components to required lengths or widths and shapes or profiles, welding, grinding, scaffolding finally finished with primer complete in all respect.	Sqm		280.00	0.00	0.00
49		BOH Area walls - Providing and fixing 12mm thick Cement board of approved make on one side of existing M.S. frame work including all fixing arrangement complete in all respect .	Sqm		95.00	1,925.00	182,875.00
50		In Executive lounge Planter reception side - PLANTERS 200 mm Wide 200 to 300mm deep planter made out of 19mm thick HDHMR Board finished with with 1 mm thick laminate of approved make shade as per design all outer side inner side balancing laminate as or Architects approval. (Base Rate of Laminate @ Rs. 90.00 Sqft)	Sqm		4.00	10,222.00	40,888.00
51		In Executive lounge above Planter reception side - Providing Making fixing in position 12mm thick HDHMR Board CNC cut Jali as per design fixed above planter including all fixing arrangement finally finished with PU Paint of approved make shade Complete.	Sqm		20.00	5,918.00	118,360.00
52		Providing fixing bar counter top facade made of duly painted 50 x 50mm MS Box section frame work fixed to wall cladded with 18mm thick ribbed HDHMR Board on front both sides of bar counter wall above 500mm level to counter top as per details finished with PU Paint finish floor to upto 500mm high facade also cladded with 18mm thick HDHMR Board finish with laminate of approved make shade. Counter top, front side facia as shown in drawing to be finished with HDHMR Board as per design fixed over frame work with light glowing arrangement counter top finish with 18mm thick granite stone of approved shade with adhesive, including grinding, polishing, rounding of edges, chamfering of edges, silicon sealant as required etc. Complete as per design and drawing. complete in all respect. (Plan area to be measured). Bar counter top width 150mm wide 75mm front facia with Granite stone base Rate 250.00 Sqft. Laminate 350.00 Sqft	Sqm		3.00	26,900.00	80,700.00

53		Providing and placing in position Manager feet s table with side storage finish with Laminate made out of 19mm thk. HDHMR Board finished in appd. Laminate and edge in wooden liping patti finished with melamine polish colour matching with table top made of 19mm thick double HDHMR board (38mm Thick) with back splash 19mm thick HDHMR Board finished with laminate of approved make shade with necessary support framework as approved, Cost to include all hardware, fasteners, and rubber or PVC leveller etc. complete in all respect as per detailed drawing. Size 1800 x 500 x 750 mm side storage 940 x 400 x 750mm (Base Cost of laminate @ Rs. 90.00 Sqft)	Nos		1.00	35,000.00	35,000.00
54		Soft board paneling Manager Room - Providing and Fixing in position softboard of specified size in Dark Grey Fabric complete in all respect as per detailed drawing. Panel Size 750 x 600mm	Sqm		2.00	6,500.00	13,000.00
55		Providing fixing in position 3D Texture sheet of approved make sample over Existing partition or paneling including all fixing arrangement complete	Sqm		30.00	5,425.00	162,750.00
56		JOINERY CARPENTRY WORK			0.00	0.00	0.00
57		In Executive lounge Planter reception side - Providing fixing 6mm thick CNC cut Metal Jali (200mm High) as per design fixed over existing wooden planter including all fixing arrangement complete in all respect finally finished with PU Paint of approved make shade.	Rmtr		4.00	8,500.00	34,000.00
58		Providing, making fixing Bar back display as per design 200 to 300mm deep with required M.S. or wooden frame work with 30mm thick HDHMR l board for required shelves finished with laminate of approved make shade on top bottom with 10mm thick teak wood edge lipping back of display also finish with brass laminate, required 8mm dia SS bar PVD coated gold finish for holding bottle finally finished with Tiles on external surface of display fixed with adhesive complete in all respect. (Basic Cost of Laminate @ Rs.350.00 Sqft Tile @ Rs. 600.00 Sqft)	Sqm		7.00	24,587.00	172,109.00
59		Providing placing in position wooden tables 610mm x 350 x 450mm high as per approved sample	Nos		14.00	16,500.00	231,000.00
60		Providing and fixing Garbage bin (700mm deep) with flap shutter at top Openable shutter at front PVC dust bin inside the storage. Garbage bin made of 19mm thick HDHMR Board finish with .8mm thick laminate inside all outer surface, Garbage bin, Top finished with 1mm thick laminate of approved make shade as per details shown in drawing . Flap Shutters garbage bin at top to be formed of 19mm thick HDHMR board finish with 1mm thick laminate openable Shutters of garbage bin to be formed of 19mm thick HDHMR board CNC cut exposed edges finished with bending tap as per details shown in drawing. Rate to inclusive of all hardware of approved make . Base rate of Laminate @ Rs. 90.00 Sqft	Sqm		0.50	30,666.00	15,333.00
61		Providing fixing Hood Separation system as per design including all fixing arrangement	Nos		1.00	0.00	0.00

62		<p>WATERPROOFING Toilet, Kitchen, Bar Area - Providing and Applying Fosroc RFX Brush Bond Coating waterproofing to RCC slabs comprising of the following operations.</p> <ol style="list-style-type: none"> 1. Removal of Top Screed from the Mother Slab. 2. Cleaning of the Mother Slab with Hard Brush Removal of Dirt from the Surface with Air Blowers 3. Applying of the Fosroc RFX Brush Bond Coating on the mother slab with Brush in Clock wise directions on all 2 Sides Walls till 450m.m Height . If the Floor has to be raised 150m.m 4. After drying of the 1st Coat of the Brush Bond Coating . 2nd Coat is applied in the Anticlockwise Directions 5. After drying of entire Surface say 24 Hours . we will fill Water to 3 Inch Levels for Ponding Testing. 6. Water will be kept for observations for 72 Hours . If Leakage is observed . Water is emptied 7. Above Procedure is Repeated . 8. If No Leakage is observed after 72 Hours . 9. Water will be drained out from the Floor Surface 10. Protective Screeding mixed with FOSROC NITOBOND SBR of Average 25m.m thickness is done on the Water Proofing Surface Coving on Side Walls . 11. After Dryings of Protective Screed say 2 Days. Drain Lines are laid on the Floor with Slope main Drain lines chambers are done . 12 . After this floor raising by Light Seaproax block is done followed by Kota Stone Flooring 	Sq.m.		100.00	0.00	0.00
63		<p>BOH, TOILET BAR RAISED AREA (up to 300 mm) - Providing Filling light wt. Siporex block bats to conceal drainage plumbing lines. The Top layer should be finished properly to receive P.C.C base flooring layer on it. The same shall be completed as per the details are provided in drawings or as directed by Architect .</p>	Sq.m.		53.00	0.00	0.00
64		<p>Providing Laying P.C.C 1 3 6 of average thickness of upto 50mm of M 10 grade of concrete (1 cement 3 coarse sand 6 graded stone aggregate 20 mm nominal size) as floor base.</p>	Sq.m.		175.00	0.00	0.00
65		<p>100 MM THICK BLOCK MASONARY - Providing Laying of block masonry of thickness 100mm in super structure, Bar Area, Toilet BOH Area using cement mortar 1 4 (1 cement 4 coarse sand) mix, joints finished, curing complete as per specification and drawing or as directed by Project Manager.</p>	Sq.m.		120.00	0.00	0.00
66		<p>RCC LINTEL BEAM - P or L in place (cast in situ) RCC lintel beams in 100mm th. blockwork @ 1200 mm and at Door lintel lvtl approx. 2400mm from FFLvl. (1 4 8) 100mm high with 4 no. feet s 8mm th. Steel bars as per general specifications, complete in all respects</p>	Rm		140.00	0.00	0.00
67		<p>Executive Lounge area - Providing fixing carpet Tile skirting 100mm high including all fixing arrangement complete in all respect. (Basic cost of carpet @ Rs.400.00 Sqft)</p>	Rmt		20.00	1,066.00	21,320.00
68		<p>At Reception Entry Lounge dining entry - Providing laying floor SS transition profile as per approved sample including all fixing arrangement between junction of two type flooring i.e. wooden carpet tile or stone junction complete in all respect.(Basic cost for Transition profile @ Rs. 350.00 Rmtr)</p>	Rmt		7.00	625.00	4,375.00

69		FOH Area Skirting - Providing and laying of VITRIFIED tile Skirting of size 1200 x 600 mm of approved make and Shade laid over 12 mm thick cement mortar 1 : 4 (1 cement : 4 coarse sand) mix jointed with white cement slurry, mixed with pigment to match color of tile. Cost to include chamfering if any, cutting , edge rubbing etc., complete as per design and drawing, with 3 mm Spacers finished with Matching Epoxy Grouting. Necessary Protection by covering with PVC sheet shall be provided for Flooring till the handover of the Outlet.It has to meet the specs of RA level. (Base rate of Tiles @ Rs. 75.00 Sqft)	Rmt		70.00	475.00	33,250.00
70		Kitchen Skirting - Providing and laying of Anti-skid VITRIFIED Commercial tile skirting of size 600 x 600 mm of approved make and Shade laid over 12 mm thick cement mortar 1 : 4 (1 cement : 4 coarse sand) mix jointed with white cement slurry, mixed with pigment to match color of tile. Cost to include chamfering if any, cutting , edge rubbing etc., complete as per design and drawing, with 3 mm Spacers finished with Matching Epoxy Grouting. Necessary Protection by covering with PVC sheet shall be provided for Flooring till the handover of the Outlet.It has to meet the specs of RA level. (Base rate of Tiles @ Rs. 80.00 Sqft)	Rmt		45.00	490.00	22,050.00
71		Cove- Making cove in ceiling made with POP GI framing complete as per design. (Note - Cove to be complete from inner side as well) The rate shall be inclusive of necessary framework, making cut-out for light fixtures, bulkheads etc.	Rmt		12.00	650.00	7,800.00
72		1550 x 1250	Nos		1.00	14,500.00	14,500.00
73		Providing and fixing 19mm thick HDHMR ply of approved make on wall with required M.S. frame work including all fixing arrangement complete in all respect .	Sqm		17.00	2,690.00	45,730.00
74		Paneling Under Bulk head for back lit Logo base - Providing and fixing in position 12mm thick HDHMR board paneling as per design made of 50mm x 50mm MS frame work 100mm deep finished with 12mm thick HDHMR Board paneling finally finished with laminate of approved make shade as per design including all fixing arrangement MS frame work welded with existing airport frame work finish with base primer enamel paint . Rate shall also include all necessary hardware, fixing on partition. All complete as per the details, drawings or as directed by Architect or Engineer. (Base Rate of laminate @ Rs.90.00 Sqft)	Sqm		3.00	8,754.00	26,262.00
75		Providing and fixing 1mm thick laminate panelling over existing partition as per approved sample under betan copper bowl area including all fixing arrangement complete in all respect. Only finished area to be measured paid.(Basic cost of Laminate@ Rs.175.00Sqft).	Sqft		13.00	2,797.00	36,361.00
76		Providing making fixing in position Wedge type Partition as per Design made of 12mm thick HDHMR board vertically horizontally including all fixing arrangement finally finished with laminate in all sides of partition complete.	Sqm		26.00	13,000.00	338,000.00
77		Providing and fixing 1mm thick laminate panelling with grooves over existing partition as per approved sample including all fixing arrangement complete in all respect. Only finished area to be measured paid.(Basic cost of Laminate@ Rs.90.00Sqft).	Sqm		16.00	2,500.00	40,000.00
78		In Façade Dinning Area Side - Fabricating and Fixing of Glazed Aluminium Partition System of 50 x 25 mm thick section using Top, Side bottom section as per details.Proprietary Frame work The glazing to be formed out of 12mm thick clear toughened glass as per details.	Sqm		7.00	6,994.00	48,958.00

79		Kitchen wall tiles - Providing and fixing 1st quality ceramic glazed wall tiles (thickness to be specified by the manufacturer), of approved make, in all colours, shades any size as approved by Engineer-in-Charge for dado fixed with cement based high polymer modified quick set tile adhesive (water based) conforming to IS 15477, in a average 3mm thickness including filling the joints mixed with pigment to match the shade of the tiles to give a smooth surface.(Basic cost of tile@ Rs. 480.00 per Sqm)	Sqm		86.00	2,153.00	185,158.00
80		Male Female Toilet Wall Tiles (Ceppo Clay) upto 900mm ht. - Providing and fixing 1st quality ceramic glazed wall tiles (1200 x 600mm) (thickness to be specified by the manufacturer), of approved make, in all colours, shades of any size as approved by Engineer-in-Charge, for dados, over 12 mm thick bed of cement mortar 1 3 (1 cement 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete. (Basic cost of tiles @ Rs.110.00 Sqft)	Sqm		15.00	3,200.00	48,000.00
81		Providing fixing counter with storage, counter top facade made of duly painted 50 x 50mm MS Box section frame work fixed to wall clad with 18mm thick ribbed HDHMR Board on front as per details finished with PU Paint. Counter top, front side facia as shown in drawing to be finished with HDHMR Board as per design fixed over frame work with light glowing arrangement counter top finish with 18mm thick granite stone of approved shade with adhesive, including grinding, polishing, rounding of edges, chamfering of edges, silicon sealant as required etc. including internal storage also made of 19mm thick HDHMR board finished with laminate inside shutter of storage finished with 19mm thick CNC cut HDHMR finish with laminate of approved make shade required hardware complete as per design and drawing. complete in all respect. (Plan area to be measured). counter top width 150mm wide 75mm front facia with Granite stone base Rate 250.00 Sqft. Laminate 90.00 Sqft (2470 x 950mm high 1015mm Deep	Sqft		3.00	5,128.00	15,384.00
82		Providing and fixing Dumpster (600mm deep) with Two Nos. 200mm high flap shutter at top then Openable shutter. Dumpster made of 19mm thick HDHMR Board finish with 8mm thick laminate inside all outer surface, Dumpster Top 50mm back splash finished with 1mm thick laminate of approved make shade as per details shown in drawing . Flap Shutters openable Shutters of Dumpster to be formed of 19mm thick HDHMR board finish with 1mm thick laminate 1 exposed edges finished with bending tap as per details shown in drawing. Rate to inclusive of all hardware of approved make . Base rate of Laminate @ Rs. 90.00 Sqft	Sqm		2.00	11,298.00	22,596.00
83		Providing fixing Counter (850deepx150 back splash) with appropriate MS framework of counter top finished with BWP ply 19mm thk, finished with pre-polished granite with adhesive including edge moulding polishing as per Drawing and approved sample of moulding. Base Rate of Granite @ Rs. 250.00 Sqft	Sqm		3.00	16,587.00	49,761.00
84		Manager Chair - Providing and placing in position Manager feet s Chair as per Approved sample	Nos		2.00	6,500.00	13,000.00

85		Overhead Storage - Providing and placing in position Manager feet s overhead storage made out of 18mm thk. marine ply finished in appd. Laminate with necessary support framework as approved, Cost to include all hardware, fasteners, and rubber or PVC leveller etc. complete in all respect as per detailed drawing. Size 1800 x 450 x 600 mm (Base Cost of Laminate @ Rs. 90.00 Sqft)	Sqm		2.00	19,906.00	39,812.00
86		Providing and fixing 25mm X 25mm SS corner Guard fixed with as per approved adhesive or 3M tape or SS Screw as approved by Architect. Complete with all respect as per detail drawing Architect Instructions.	Rmtr		25.00	1,250.00	31,250.00
87		Providing and placing in position open shelves storage made out of 19mm thk. HDHMR board shelves finished with . Laminate of approved make shade at top bottom with necessary support framework exposed edges finish with PVC edge bending complete. Cost to include all required hardware for fixing arrangement fasteners, and rubber or PVC leveller etc. complete in all respect as per detailed drawing. Size 900 x 450 x 1050 mm (Base Cost of Laminate @ Rs. 90.00 Sqft)	Sqft		1.00	17,000.00	17,000.00
88		Providing and fixing in position LT Panel DB storage units 400mm Deep with Louver Shutters formed of 19mm thick fire rated Ply formwork or carcass with adjustable shelves as per details.The storage to be finished with laminate of approved make shade. Externally finished with 1mm thick laminate of approved make shade. All internal surfaces to be laminated with 0.8mm thick laminate to approved shade. The LT Panel DB Storage should be perforated with louvers for Ventilation as per detailed drawing . Cabinet to be complete with all hardware installed as directed to consist of the following Louvers Shutter to have soft closing hinge of approved make installed strictly a per manufacturers guidelines with requisite tools. Each set of shutters to be provided with 1 no multi purpose lock as specified, recessed handles , auto bolt, 50mm high skirting with laminate finish etc. To be completed as per the Detailed Drawing Architect feet s Approval.	Sqm		4.00	18,500.00	74,000.00
89		Providing and fixing 20mm X 20mm SS PVD coated god finish corner Guard fixed with as per approved adhesive or 3M tape or SS Screw as approved by Architect. Complete with all respect as per detail drawing Architect Instructions.	Rmt		20.00	1,450.00	29,000.00
Total :					3,851.65		6,431,815.30

ItemCode :

ItemName : Plumbing Work

Sr No	Item Code	Item Name	UOM	Remarks	Quantity	Supplier Rate	Amount
90		ANGLE VALVE - Providing Fixing Angle Valve with connector pipe.	Nos.		19.00	2,450.00	46,550.00
91		Sink Mixer -	Nos.		1.00	5,600.00	5,600.00
92		Waste Coupling - Providing Waste Coupling 32mm size full thread waste coupling to be use for 3-bowl sink.	Nos.		4.00	1,250.00	5,000.00
93		Soap Dispenser - Providing fixing Soap dispenser as per Approved sample (Make - Uronics)	Nos		2.00	2,800.00	5,600.00
94		Toilet paper Holder - K-5632IN-CP	Nos		2.00	2,250.00	4,500.00

95		WATER SUPPLY PIPES CPVC Pipes - Supply, laying, testing commissioning of FOOD GRADE CPVC pipes conforming to CTS (Copper Tube Size) SDR-11 as per (is 15778 ASTM D 2846) with necessary fittings up to the size of 50 mm dia. (Make – SUPREME KASTA) including all necessary fitting as per site. 20mm dia	R.M.		85.00	950.00	80,750.00
96		100mm dia	R.M.		25.00	2,057.00	51,425.00
97		75mm dia	R.M.		50.00	1,685.00	84,250.00
98		FLOOR TRAP - Supply, Laying, Testing Commissioning of 75x75mm Floor Trap with Approved Make heavy duty round or Square.	Nos.		8.00	2,850.00	22,800.00
99		Pressure Pump - Pressure Pump	Nos.		2.00	18,000.00	36,000.00
100		Wash Basin Counter Tap - K-72298IN-4ND-CP	Nos		2.00	14,500.00	29,000.00
101		50mm dia	R.M.		15.00	1,067.00	16,005.00
102		TableTap - Providing Fixing Sink Cock.	Nos.		2.00	4,150.00	8,300.00
103		Gate Valves - Providing Fixing PPR Ball Valve ISI mark. (For Inlet)	Nos.		1.00	3,250.00	3,250.00
104		Bottle Trap - Providing fixing 32mm CP finished Bottle Trap with wall flanges. (Make – JAQUAR OZONE)	Nos.		2.00	3,050.00	6,100.00
105		Water Meter - 25mm Dia Water meter	Nos.		1.00	10,500.00	10,500.00
106		Drainage connection - Drainage connection connect to existing drain point complete with all necessary fittings including cleanout plug	Nos.		2.00	6,500.00	13,000.00
107		Water Tank (Loft) - Providing and fixing of 200 Ltr. Storage Loft Tank on MS Platform with all necessary valves and fitting required .	Nos.		1.00	5,500.00	5,500.00
108		Wash Basin - K-90011T-0	Nos		2.00	22,500.00	45,000.00
109		Coat Hook - Providing fixing Coat hook as per approved sample	Nos		2.00	1,650.00	3,300.00
110		WATER DRAIN PIPES - UPVC WASTE PIPE - UPVC Pipe for Drainage (Make – SUPREME KASTA) including all necessary fitting as per site.			0.00	0.00	0.00
111		CHAMBER GRATING - INSPECTION CHAMBER Supply, Laying, Testing Commissioning of Approved SS Inspection Chamber along of Size- 450mmx450mm with SS Cover SS Grating over it. Make Jaquar Ozone. Including trenching and finishing with ceramic tiles as per dwg and details.	Nos.		4.00	18,500.00	74,000.00
112		- VALVE AND TAP			0.00	0.00	0.00
113		- ACCESSORIES			0.00	0.00	0.00
114		GEYSER - 18 LITER GEYSER	Nos.		1.00	16,500.00	16,500.00
115		Water supply connection - water supply connection taken from existing point complete with all necessary fittings.	Nos.		1.00	6,500.00	6,500.00
116		RO Plant - Providing and fixing of RO Plant on MS platform with all necessary valves and fitting required. (100LPH)	Nos.		1.00	0.00	0.00
117		W.C. - K-16817IN-SS-0 (With Cancelled System)	Nos		2.00	75,000.00	150,000.00
118		Health Fauct -	Nos		2.00	6,500.00	13,000.00
119		Hand Drier - Providing fixing Hand Drier of Approved Sample (Make- Uronics)	Nos		2.00	9,500.00	19,000.00

Total :

241.00

761,430.00

ItemCode :

ItemName : Electrical Work

Sr No	Item Code	Item Name	UOM	Remarks	Quantity	Supplier Rate	Amount
120		Type A - 1-63amp FP MCB with 3 single phase banks each comprising of 63A DP RCCB(30 mA) and 6 nos. 6 or 16 or 20 or 25 amps SP 10 kA MCB(Type C) with thermal magnetic protective releases out goings.	Set		1.00	28,500.00	28,500.00
121		Type C - 1-40amp FP MCB with 3 single phase banks each comprising of 40A DP RCCB(30 mA) and 8 nos. 6 or 16 or 20 or 25 amps SP 10 kA MCB(Type C) with thermal magnetic protective releases out goings.	Set		1.00	30,500.00	30,500.00
122		Supply and Installation of 20A or 25A or 32A FP Isolator in IP-67 Enclosure	No.		3.00	2,250.00	6,750.00
123		* Approximate and shall be as per point of supply from Airport Panel or Isolator			0.00	0.00	0.00
124		4C – 10.0 (Cu.) FRLS Armoured XLPE Cable	Nos.		6.00	550.00	3,300.00
125		Wiring for DB Submains with PVC insulated stranded copper conductor 1100 volt grade wires (FRLS) in surface or concealed MS surface or concealed conduit including cost of providing saddles etc as required for surface conduiting and or or cost of cutting and filling chases as required and making suitable end termination with copper lugs complete as required and as below			0.00	0.00	0.00
126		25X3 mm GI Strip	Mtrs		200.00	106.00	21,200.00
127		450 mm x 40 x 40 x 2 mm thick with 2 Nos. 25X3mm GI Earth Strip	Mtrs		20.00	1,500.00	30,000.00
128		Wiring for secondary MCB controlled normal light points or Wall Point or Floor Point(Looped from above point) with 1.5 sq. mm PVC insulated stranded copper conductor 1100 Volt grade FRLS wires in 25 mm 16 SWG MS conduit in wall or ceiling including cost of cutting and filling chases for recessed conduiting and supports in case of surface conduit including all bends , saddles , Junction boxes etc and including the cost of running 1.5 Sq mm PVC insulated copper conductor wire for loop earthing etc. complete as required.	Pt		80.00	3,185.00	254,800.00
129		Wiring for MCB controlled Emergency primary light points or Wall Point or Floor Point with 1.5 sq. mm PVC insulated stranded copper conductor 1100 Volt grade FRLS wires in 25 mm dia 16 SWG MS conduit in wall or ceiling including cost of cutting and filling chases for recessed conduiting and supports in case of surface conduit including all bends , saddles , Junction boxes etc and including the cost of running 1.5 Sq. mm PVC insulated copper conductor wire for loop earthing etc. complete as required. (Cost of MCB included in the item for per DB).	Pt		4.00	2,860.00	11,440.00

130		Wiring for 6 pin 240 volt 16 amp single phase and neutral switch socket outlets (1 outlet wired on 1 circuit) with 2.5 sq. mm PVC insulated stranded copper conductor 1100 volt grade wires (FRLS) in 25mm dia 16 SWG MS conduit in wall or Ceiling including the cost of cutting and filling chases for recessed conduiting and supports in case of surface conduit including all bends , saddles , Junction boxes etc and including providing and fixing 6 pin 240 volt 16 amp socket outlet with safety shutters and 16 amp 240 volt single pole grid plate mounted modular type switch with moulded cover plate in recessed GI box and including earthing of the 3rd pin with 1.5 sq mm 1100 volt grade PVC insulated stranded copper conductor wires and complete as required(Switch and socket shall be as approved by the architect or Client)	Pt.		4.00	5,040.00	20,160.00
131		Supply installation testing and fixing 5 pin 80 A , 415V , single Phase metal Clad industrial socket outlet with 80A FP MCB and complete in all respects(Wiring Excluded from scope of this item)	Nos.		1.00	6,500.00	6,500.00
132		20 mm dia FRLS PVC conduit	Mtrs		60.00	105.00	6,300.00
133		Supply and installation of flush mounted (Enhanced Category 6 T 568 A or B) outlets with 2 mm thick GI box complete including cutting, chases, fixing of GI boxes and making good. The plastic shall be high impact, flame-retardant, UL rate thermoplastic. Dust cover or blank shall be provided to protect unused faceplate openings. Termination caps and plastic cover shall be provided to protect jack wiring.			0.00	0.00	0.00
134		Duplex outlet face plate with RJ-45 Jack with information outlet	Nos.		5.00	852.00	4,260.00
135		Supply,installtion testing and commisioning of Cat-6 UTP cables in existing Conduit complete as required for Telephone System	Mtrs		150.00	105.00	15,750.00
136		2.0 Mtr Track Light with 3 Nos. 10W Light	No.		3.00	587.00	1,761.00
137		DISTRIBUTION BOARDS - Supply, erection, testing and commissioning of the following sheet steel clad wall recess mounting dust and vermin proof double door type distribution boards constructed from 16 SWG sheet steel IP 42 construction, finished with rust proof duly powder coated in approved shade with hinged gasketed door and housing the following complete with P.V.C. insulated copper busbars rated 200 amp with interconnections, neutral and earth bar assembly per phase, earthing terminals complete as approved by Architects. Note All MCBs in distribution board for power circuits shall be of C curve			0.00	0.00	0.00
138		Type D - 1-32 amp DP MCB + DP RCCB (30mA) and 12 nos. 6 or 16 or 20 or 25 amps SP 10 kA MCB(Type C) with thermal magnetic protective releases out goings.	Set		1.00	16,500.00	16,500.00
139		Supply and Installation of 40A FP Isolator in IP-67 Enclosure	No.		1.00	3,500.00	3,500.00
140		Supply, laying, testing commissioning of following sizes of Al or Cu. conductor 1.1 kV grade, armoured, XLPE insulated FRLS LT Cables or Control Cables including necessary cleats, clamps etc. (Cables shall be partly laid in Pipes, O or H cable tray, on wall as required)			0.00	0.00	0.00
141		4C – 6.0 (Cu.) FRLS Armoured XLPE Cable	Mtrs		40.00	425.00	17,000.00
142		Supply, erection, testing commissioning of following sizes of cable end terminations with Double compression gland for 1.1 kV grade, XLPE insulated, Al or Cu Conductor cable			0.00	0.00	0.00
143		3.5C – 150.0 (Al.) FRLS Armoured XLPE Cable	Nos.		2.00	850.00	1,700.00

144		4C – 16.0 (Cu.) FRLS Armoured XLPE Cable	Nos.		4.00	550.00	2,200.00
145		4C – 6.0 (Cu.) FRLS Armoured XLPE Cable	Nos.		4.00	400.00	1,600.00
146		4 x 16 sq.mm + 2 No. 6.0 Sq. mm in 40 mm dia MS Conduit	Mtrs		35.00	750.00	26,250.00
147		Wiring for switch controlled emergency primary light points with 1.5 sq. mm PVC insulated stranded copper conductor 1100 Volt grade wires (FRLS) in 25mm dia 16 SWG MS concealed or surface conduit including cost of cutting and filling chases for recessed conduiting and supports in case of Surface conduit including all bends , saddles , Junction boxes etc. including the cost of running 1.5 sq. mm PVC insulated copper conductor wire for loop earthing etc. and including providing circuit wiring with 1.5 sq mm PVC insulated stranded copper conductor 1100 volt grade FRLS wires and including the cost of providing and fixing a 6 amp 240 Volt grid plate mounted switch with moulded cover plate in GI box and complete as required (Switch shall be as approved by the architect or Client)	Pt.		1.00	4,200.00	4,200.00
148		Wiring for a 5 pin 240 volt 6 amp single phase and neutral switch socket outlet with 2.5 sq. mm PVC insulated stranded copper conductor 1100 Volt grade wires (FRLS) in 25mm dia 16 SWG MS conduit in wall or ceiling including cost of providing circuit wiring with 2.5 sq mm PVC insulated stranded copper conductor 1100 volt grade wires and including cost of cutting and filling chases for recessed conduiting and supports in case of surface conduit including all bends , saddles , Junction boxes etc and providing and fixing of a combined 5 pin 240 volt 6 amp socket outlet with safety shutters and 6 amp 240 volt single pole grid plate mounted switch with moulded cover plate in recessed GI box and including earthing of the 3rd pin with 1.5 sq mm 1100 volt grade PVC insulated stranded copper conductor wires complete as required(Switch and socket shall be as approved by the architect or Client)	Pt.		4.00	4,200.00	16,800.00
149		Wiring for 6 pin 240 volt 16 amp single phase and neutral switch socket outlets (1 outlet wired on 1 circuit) with 4.0 sq. mm PVC insulated stranded copper conductor 1100 volt grade wires (FRLS) in 25mm dia 16 SWG MS conduit in wall or Ceiling including the cost of cutting and filling chases for recessed conduiting and supports in case of surface conduit including all bends , saddles , Junction boxes etc and including providing and fixing 6 pin 240 volt 16 amp socket outlet with safety shutters and 16 amp 240 volt single pole grid plate mounted modular type switch with moulded cover plate in recessed GI box and including earthing of the 3rd pin with 2.5 sq mm 1100 volt grade PVC insulated stranded copper conductor wires and complete as required(Switch and socket shall be as approved by the architect or Client)	Pt.		13.00	4,500.00	58,500.00
150		Wiring for primary switch board consisting of 3 Nos. 5 pin 240 volt 6 amp single phase and neutral switch socket outlets with 3 Nos. 6A switch with PVC insulated stranded copper conductor 1100 volt grade wires (FRLS), 2.5 sq FRLS copper wire mm in 25mm dia 16 SWG MS conduit in wall or Ceiling including cost of providing saddles etc as required for surface conduiting and or or cost of cutting and filling chases and including providing and fixing prewired switch board each consisting of 3 Nos. 5 pin 240 volt 6 amp single phase and neutral switch socket outlets with 3 Nos. 6 A modular switch , safety shutters in a recessed or surface GI box including earthing of the 3rd pin with 1.5 sq mm 1100 volt grade PVC insulated stranded copper conductor wire complete as required. (Switch or Socket Shall be as per approved sample by Architect)	Pt.		4.00	3,152.00	12,608.00

151		Supply installation testing and fixing 3 pin 20A , 240V , single Phase metal Clad industrial socket outlet with 20A DP MCB and complete in all respects(Wiring Excluded from scope of this item)	Nos.		11.00	3,500.00	38,500.00
152		25 mm dia FRLS PVC conduit	Mtrs		50.00	110.00	5,500.00
153		Installation of following light fixtures including connections and complete in all respects			0.00	0.00	0.00
154		Round or Concealed LED	No.		66.00	565.00	37,290.00
155		LED Strip Light (Per Meter)	Mtrs		15.00	105.00	1,575.00
156		Tube Lights in BOH areas	No.		2.00	378.00	756.00

157		<p>Design, fabrication, assembling, wiring , supply , Erection , Installation , testing and commissioning of MDB Panels fabricated out of 2mm thick for structural members (Load bearing members) and 1.6mm thick for door and covers (Non load bearing members) CRCA painted sheet steel in cubicle formation with reinforcement of suitable size angle iron, channels, T irons, flats wherever necessary for large meter boards. Cable gland plates shall be provided at top and bottom both and windows for meter reading, locking arrangement (pad-lock seal) with wiring upto KWH meter meter to MCB shall be done by using adequately rated flexible single core copper wire. The boards shall be treated with all anticorrosive process before painting as per standards with final approved shade of powder coated as approved, 2 nos. earthing terminals shall be provided for all panels. The boards shall be suitable for 415 V, 3 phase, 4 wire, 50 Hz supply system. Boards shall be fabricated in length, height, depth etc to match with site conditions.</p> <p>An approval shall be taken for each panel before manufacturing . Galvanised hardwares with zinc passivation shall be used in fabrication of boards.</p> <p>Note The following provisions shall be required to be made in the switchboard detailed below</p> <p>The Switchboard shall have provision for entry of all PVCA cables from the top or bottom as required.</p> <p>All live accessible parts shall be shrouded and all equipment shall be finger touch proof. The busbar insulation shall be with heat shrinkable sleeves. SMC or DMC shrouds and busbar supports shall be used.</p> <p>Suitable tinned copper extension links for incoming or outgoing cables shall be provided wherever required</p> <p>Control circuits includes breaker control switch, auto manual selector switch, anti pumping relay, spring charging trip indication, TIMER, control wiring, Auxiliary contactors MCB's as required at site.</p> <p>Positive isolation of all breakers.</p> <p>All fault level breaking capacity indicates shall be ICS value at 415 volts (ICS = ICU = ICW = 100%).</p> <p>Space Heater or light or air filter shall be provided for each vertical compartment</p> <p>Link and drops from MCCB shall be designed for full rated current of MCCB ratings at same current density as of Main Bus Bar</p> <p>2 nos. GI earth strip throughout the panel.</p> <p>1 MAIN MDB</p> <p>A Incoming 1 No. 250 amps 25 kA 440 volt FP MCCB with Thermal Magnetic overcurrent and short circuit and with following</p> <p>B Metering, Indication Protection a 1 Nos. 6 Parameter Multi Function Meter with 3 Nos. Cast Resin</p>	Set		1.00	275,000.00	275,000.00
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		<p>CTs and MCBs b Breaker ON OFF indication Lamps c R-Y-B indication lamps with MCBs d ELR with CBCT</p> <p>C Bus Bar 200 A, TPN Al. Bus Bar of suitable length having Current density 1Amp or sq.mm having high conductivity electrical grade suitable to withstand symmetrical fault level of 25 kA. Neutral busbar shall be of 100% capacity.</p> <p>D Outgoings</p> <p>a 3 No. 63 amps 4P MCB (Type C) b 2 No. 40 amps 4P MCB (Type C) c 1 No. 20 amps 4P MCB (Type C)</p> <p>d 1 No. 32 amps 2P MCB (Type C)</p> <p>e 2 No. 80 amps FP MCB + RCCB of 100mA sensitivity. f 2 No. 40 amps FP MCB + RCCB of 100mA sensitivity. g 1 No. 25 amps FP MCB + RCCB of 100mA sensitivity.</p> <p>E AHU Starters In Main Panel</p> <p>a 2 Nos. Fully automatic 1.5 KW Motor DOL starter with 20A TP Type C Curve MCB , 9A TP Contactor , ON or OFF push buttons and on or off or Trip indicating lights , A or M selector switch for local or remote operations, CT operated Digital Ammeter, suitable NO NC Potential free contacts for Interlocking with Fire alarm panel 2.0A -3.3 A O or L relay with inbuilt single phase preventor , selector switches etc as required.</p> <p>Main MDB as described above</p>					
158		3.5C – 150.0 (Al.) FRLS Armoured XLPE Cable *	Mtrs		40.00	1,050.00	42,000.00
159		4C – 16.0 (Cu.) FRLS Armoured XLPE Cable	Mtrs		60.00	1,400.00	84,000.00
160		3C – 4.0 (Cu.) FRLS Armoured XLPE Cable	Mtrs		70.00	325.00	22,750.00
161		4 x 10 sq.mm + 2 No. 4.0 Sq. mm in 32 mm dia MS Conduit	Mtrs		30.00	725.00	21,750.00
162		8 SWG Copper Wire	Mtrs		30.00	120.00	3,600.00
163		300 mm x 40 x 40 x 2 mm thick with 2 Nos. 25X3mm GI Earth Strip	Mtrs		60.00	1,260.00	75,600.00
164		150 mm x 40 x 40 x 2 mm thick with 2 Nos. 25X3mm GI Earth Strip	Mtrs		40.00	950.00	38,000.00
165		Wiring for MCB controlled normal primary light points or Wall Point or Floor Point with 1.5 sq. mm PVC insulated stranded copper conductor 1100 Volt grade FRLS wires in 25 mm dia 16 SWG MS conduit in wall or ceiling including cost of cutting and filling chases for recessed conduiting and supports in case of surface conduit including all bends , saddles , Junction boxes etc and including the cost of running 1.5 Sq. mm PVC insulated copper conductor wire for loop earthing etc. complete as required. (Cost of MCB included in the item for per DB).	Pt		20.00	2,860.00	57,200.00

166		Wiring for secondary MCB controlled Emergency light points or Wall Point or Floor Point(Looped from above point) with 1.5 sq. mm PVC insulated stranded copper conductor 1100 Volt grade FRLS wires in 25 mm 16 SWG MS conduit in wall or ceiling including cost of cutting and filling chases for recessed conduiting and supports in case of surface conduit including all bends , saddles , Junction boxes etc and including the cost of running 1.5 Sq mm PVC insulated copper conductor wire for loop earthing etc. complete as required.	Pt		14.00	2,825.00	39,550.00
167		Wiring for switch controlled Normal primary light points with 1.5 sq. mm PVC insulated stranded copper conductor 1100 Volt grade wires (FRLS) in 25 mm 16SWG MS Heavy Duty PVC concealed or surface conduit including cost of cutting and filling chases for recessed conduiting and supports in case of Surface conduit including all bends , saddles , Junction boxes etc. including the cost of running 1.5 sq. mm PVC insulated copper conductor wire for loop earthing etc. and including providing circuit wiring with 1.5 sq mm PVC insulated stranded copper conductor 1100 volt grade FRLS wires and including the cost of providing and fixing a 6 amp 240 Volt grid plate mounted switch with moulded cover plate in GI box and complete as required (Switch shall be as approved by the architect or Client)	Pt.		8.00	4,200.00	33,600.00
168		Wiring for secondary Switch controlled normal light points (Looped from above point) with 1.5 sq. mm PVC insulated stranded copper conductor 1100 Volt grade FRLS wires in 25 mm dia 16SWG MS concealed or surface conduit including cost of cutting and filling chases for recessed conduiting and supports in case of Surface conduit including all bends , saddles , Junction boxes etc and including the cost of running 1.5 Sq mm PVC insulated copper conductor wire for loop earthing etc. complete as required.	Pt.		1.00	4,500.00	4,500.00
169		Wiring same as in Item 15 above looped from an adjacent 6 amp switch socket outlet as required and providing and fixing of a modular type 5 pin 240 Volt 6 amp shuttered socket outlet and a modular type 6 amp 240 Volt single pole switch in a recessed GI boxes with internal wiring and moulded front plates complete as required. (Switch and socket shall be as approved by the architect or Client)	Pt.		10.00	3,852.00	38,520.00
170		Wiring for Secondary switch board (Looped From Above) consisting of 3 Nos. 5 pin 240 volt 6 amp single phase and neutral switch socket outlets with 3 Nos. 6A switch with PVC insulated stranded copper conductor 1100 volt grade wires (FRLS), 2.5 sq FRLS copper wire mm in 25mm dia 16 SWG MS conduit in wall or Ceiling including cost of providing saddles etc as required for surface conduiting and or or cost of cutting and filling chases and including providing and fixing prewired switch board each consisting of 3 Nos. 5 pin 240 volt 6 amp single phase and neutral switch socket outlets with 3 Nos. 6A modular switch , safety shutters in a recessed or surface GI box including earthing of the 3rd pin with 1.5 sq mm 1100 volt grade PVC insulated stranded copper conductor wire complete as required. (Switch or Socket Shall be as per approved sample by Architect)	Pt.		2.00	3,055.00	6,110.00
171		Supply installation testing and fixing 3 pin 25A or 32A , 240V , single Phase metal Clad industrial socket outlet with 25A or 32A DP MCB and complete in all respects(Wiring Excluded from scope of this item)	Nos.		6.00	4,265.00	25,590.00
172		Supply installation testing and fixing 5 pin 63A , 415V , single Phase metal Clad industrial socket outlet with 63 A FP MCB and complete in all respects(Wiring Excluded from scope of this item)	Nos.		1.00	5,500.00	5,500.00

173		Supply , fixing Laying 2.0mm Thick FRLS PVC conduits on surface or concealed complete with PVC junction boxes, cover plates, PVC bends, PVC saddles, base and other accessories all made in PVC with GI screws as required to complete the job. .			0.00	0.00	0.00
174		Single outlet face plate with RJ-45 Jack with information outlet	Nos.		7.00	650.00	4,550.00
175		Signage	No.		2.00	378.00	756.00
176		Type B - 1-63amp FP MCB with 3 single phase banks each comprising of 63A DP RCCB(30 mA) and 8 nos. 6 or 16 or 20 or 25 amps SP 10 kA MCB(Type C) with thermal magnetic protective releases out goings.	Set		1.00	32,500.00	32,500.00
177		Supply installation testing and commisioning 4.0 kVA online (1ph input and 1ph output) UPS with 15 Min power back up complete with in buit Static by pass switch , Mannual external maintenance by pass switch , Rectifiers , Sealed MF batteries etc as required	No.		1.00	76,850.00	76,850.00
178		4C – 10.0 (Cu.) FRLS Armoured XLPE Cable	Mtrs		60.00	1,350.00	81,000.00
179		3C – 4.0 (Cu.) FRLS Armoured XLPE Cable	Nos.		8.00	400.00	3,200.00
180		2 x 6 sq.mm + 1 No. 4 Sq. mm in 25 mm dia MS Conduit	Mtrs		20.00	550.00	11,000.00
181		2 x 4 sq.mm + 1 No. 2.5 Sq. mm in 25 mm dia MS Conduit	Mtrs		210.00	485.00	101,850.00
182		Supplying and laying of the following earthing clamped to wall with suitable clamps saddles and fixing bolts or in ground including the cost of digging and back filling as required and complete as required to comply with IS 3043 1987. All copper joints shall be tinned. The rates shall be inclusive of making test joints where ever required			0.00	0.00	0.00
183		25X6 mm GI Strip	Mtrs		30.00	200.00	6,000.00
184		8 SWG GI Wire	Mtrs		200.00	50.00	10,000.00
185		1 Core 6.0 Sq. Mm FRLS Green Wire	Mtrs		20.00	125.00	2,500.00
186		Supply, erection, testing commissioning of prefabricated GI Perforated type cable trays including Tees or Bends or Crossing or Reducers or Couping to be laid in cable trench, overhead on wall or hanged from ceiling complete with all accessories as required including support at every 1500mm as required			0.00	0.00	0.00
187		Wiring for 6 pin 240 volt 16 amp single phase and neutral switch socket outlets (2 outlets wired on 1 circuit) with PVC insulated stranded copper conductor 1100 volt grade wires (FRLS), 4.0 sq mm upto the first outlet and 2.5 sq mm from first to the second outlet in 25mm dia 16 SWG MS conduit in wall or Ceiling including cost of providing saddles etc as required for surface conduiting and or or cost of cutting and filling chases and including providing and fixing of two sets of 6 pin 240 volt 16 amp socket outlet with safety shutters and 16 amp 240 volt single pole grid plate mounted switches with moulded cover plate in a recessed GI box including earthing of the 3rd pin with 2.5 sq mm 1100 volt grade PVC insulated stranded copper conductor wire complete as required. (Switch or Socket Shall be as per approved sample by Architect)	Pt.		4.00	3,666.00	14,664.00
188		Supply,installtion testing and commisioning of Cat-6 UTP cables in existing Conduit complete as required for Data System	Mtrs		250.00	105.00	26,250.00
189		Supplying,installation and commisioning of CAT-6 or 6A patch cords 2 mtrs.	Nos		17.00	650.00	11,050.00

190		Supplying, installation and commissioning of CAT-6 or 6A patch cords 1 mtr.	Nos		17.00	565.00	9,605.00
191		Hanging or Pendant Light	No.		8.00	587.00	4,696.00
Total :					2,039.00		1,855,441.00

ItemCode :

ItemName : HVAC Low Side work

Sr No	Item Code	Item Name	UOM	Remarks	Quantity	Supplier Rate	Amount
192		Power Cabling - Indoor Units -			0.00	0.00	0.00
193		Acoustic Lining - Supplying and Application of Acoustic lining within the Supply Air duct with 15 mm thick class O open cell nitrile Rubber of density 140-160 kg. Cubm. as per specifications. 15 MM Thick	Sqm		20.00	1,350.00	27,000.00
194		Supply, Installation, Testing and Commissioning of multiblade AI volume control Collar Grille damper complete with suitable links, lever and quadrants for manual control of airflow and with suitable links, lever and quadrants for manual control of airflow and neoprene rubber gaskets, nuts, bolts, screws, flanges etc., as per specifications.	Sqm.		1.00	6,600.00	6,600.00
195		Electrical Works			0.00	0.00	0.00
196		Control Transmission Wiring - Providing fixing control cum transmission wiring of 2 core x 1.5 sqmm copper in MS conduits between indoor and out door unit and between indoor units and their remote sensor controller.	RM		65.00	195.00	12,675.00
197		Providing and fixing flexible power cable of 3 core x 1.5 sqmm copper between Indoor units and their power points	RM		10.00	260.00	2,600.00
198		25 mm x 3 mm GI strip	RM		10.00	150.00	1,500.00
199		8 SWG GI Wire	RM		10.00	85.00	850.00
200		1.0 TR Machine (Liquid Line + Gas Line)	Mtrs.		15.00	1,600.00	24,000.00
201		0.63 MM (24 Gauge)	Sqm.		100.00	1,260.00	126,000.00
201		0.63 MM (24 Gauge)	Sqm.		25.00	1,325.00	33,125.00
202		19 mm thick (AC Supply Return ducts)	Sqm.		95.00	1,150.00	109,250.00
203		Supply, Installation, Testing and Commissioning fixing of powder coated extruded aluminium Supply Exhaust Air Grills with damper as per specifications	Sq.m		1.00	9,585.00	9,585.00
204		Supply, Installation, Testing and Commissioning fixing of powder coated extruded aluminium Return Air Diffuser without damper as per specifications	Nos		0.50	7,548.00	3,774.00
205		Canvas - Supply Installation of double skin fire retardant canvas connection for AHU Fan Section, Exhaust Units, Ductable Units etc.	Sqm.		10.00	1,258.00	12,580.00
206		Earthing - Supplying and laying of the following earthing clamped to wall with suitable clamps saddles and fixing bolts in ground including the cost of digging and back filling as required and complete as required to comply with IS 3043 1987. All copper joints shall be tinned. The rates shall be inclusive of making test joints where ever required			0.00	0.00	0.00

207		5.5 TR Machine (Liquid Line + Gas Line)	Mtrs.		20.00	1,600.00	32,000.00
208		0.50 MM (26 Gauge)	Sqm.		55.00	1,140.00	62,700.00
209		25 mm thick (Exhaust Air ducts)	Sqm.		45.00	1,025.00	46,125.00
210		Supply, Installation, Testing and Commissioning fixing of powder coated extruded aluminium Supply Air with damper as per specifications	Nos		1.50	13,568.00	20,352.00
211		Supply, Installation, Testing and Commissioning of Exhaust Air Opening damper complete with suitable links, lever and quadrants for manual control of airflow and with suitable links, lever and quadrants for manual control of airflow and neoprene rubber gaskets, nuts, bolts, screws, flanges etc., as per specifications	Sqm		1.00	6,600.00	6,600.00
212		Supply, Installation, Testing and Commissioning fixing of powder coated extruded Aluminium Continuous Grille as per specifications - Continuos Grille 100MM Wide	RM		20.00	1,650.00	33,000.00
213		Providing and fixing flexible power cable of 3 core x 2.5 sqmm copper between Indoor units and their power points	RM		5.00	245.00	1,225.00
214		Refrigerant Piping (DX System)(R32 Refrigerant) - Providing and fixing copper piping with nitreal rubber with chaseling as per specifications and drawings. (Note 1RM is equal to 1 RM of gas line and 1 RM of liquid line)			0.00	0.00	0.00
215		3.0 TR Machine (Liquid Line + Gas Line)	Mtrs.		20.00	1,600.00	32,000.00
216		G.I. Sheet Metal Ducting - Factory Fabricated - Installation, Testing and Commissioning of factory fabricated GSS sheet metal rectangular 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.			0.00	0.00	0.00
217		0.80 MM (22 Gauge)	Sqm.		5.00	1,650.00	8,250.00
218		INSULATION			0.00	0.00	0.00
219		DUCT ACCESSORIES			0.00	0.00	0.00
220		Supply, Installation, Testing and Commissioning of GI multiblade volume control duct damper complete with neoprene rubber gaskets, nuts, bolts, screws linkages, flanges etc., as per specifications.	Sqm.		1.00	5,400.00	5,400.00
221		Low Side Works			0.00	0.00	0.00
222		DUCTING			0.00	0.00	0.00
223		0.80 MM (22 Gauge)	Sqm.		10.00	1,380.00	13,800.00
224		G.I. Sheet Metal Ducting - Site Fabricated - Installation, Testing and Commissioning of site fabricated GSS sheet metal rectangular 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.			0.00	0.00	0.00
225		Nitrile Rubber Insulation- Class O - Supplying and fixing of closed cell elastomeric insulation of density 55 kg cu.m.and K valueof not less than 0.037W mk at 20 deg C as per specifications and drawings (For indoor applications) with factory Laminated 7 mill woven glass cloth			0.00	0.00	0.00
Total :					546.00		630,991.00

ItemCode :

ItemName : HVAC High Side work

Sr No	Item Code	Item Name	UOM	Remarks	Quantity	Supplier Rate	Amount
226		Air Cooled Split units (Minimum 4-Star rated and latest in present year - Supply , Installation , testing and comissioning of Air Cooled Split airconditioners each comprising an outdoor unit consisting of Inverter compressor, air cooled condensing unit, Condenser fan etc. with outer casing and indoor fan coil unit(s) consisting of centrifugal fans, fan motor, DX cooling coil, outer casing, filter, control and power panel with remote control etc. both inter connected with copper refrigerant pipe and drain pipe of required length as given, cabling and wiring, insulation with cross linked polyethelene foam, full charge of refrigerant gas and oil, M.S. base frame, supports etc. complete as per specifications and drawings. The cost shall also include angle iron stands for outdoor units. All ODU s to be placed on Roof Top support system , should be vibration free. Hi Wall Units (R-32 Refrigerant) - 1.0 TR Unit (single ref.circuit)	Nos.		1.00	36,500.00	36,500.00
227		AHU Fan Section - Supply, Installation, Testing and Commissioning of Double Skin Type AHU Fan section with 0.6 mm preplasticized precoated GI sheet outside and 0.6 mm plain Galvanized sheet inside with 25mm injected PUF insulation of 38KG m3 , G.I. blower section, VFD Operated Plug Fans with motors , base , drive arrangement ,Filter, motor drive suitable for Outdoor Application complete as per specifications and drawings. 2500 CFM (with Backward Curve Type DIDW Blowers 1.5 KW Motor ; ESP 30 mm of wg	Nos		1.00	210,000.00	210,000.00
228		Inline Fans (Cabinet Type with acoustic enclosure) - 200 CFM at 15 MM ESP	Nos.		1.00	14,500.00	14,500.00
229		Ductable Type (R-32 Refrigerant)			0.00	0.00	0.00
230		DX UNITS			0.00	0.00	0.00
231		5.5 TR Unit (single ref.circuit)	Nos.		1.00	145,500.00	145,500.00
232		3.0 TR Unit (single ref.circuit)	Nos.		1.00	120,000.00	120,000.00

233		<p>Hi Side Works</p> <p>Kitchen Scrubber (Dry Type)-With Fan Section - Supply , Installation, Testing and Commissioning of Dry Type Scrubber each comprising of extract air intake section, electrostatic precipitation technology, dry type air cleaner to remove oil, smoke and fumes from exhaust air, as per the Specifications. Electrostatic section shall be made of 16 gauge galvanised sheet, high bake epoxy powder coated, washable type aluminium mesh filters, stainless steel spiked ionizers to create high voltage DC field, aluminum collector plates which should be alternatively charged positive and negative with large collecting area with 14 deep cell, to work as magnet for charged smoke and oil particles. Average efficiency of 90-95% in single pass as per ASHRAE test method. Electrostatic Precipitator should be able to charge particles from 0.01 micron to 10 microns through solid state power supply. Collector cell should be of permanent type and incorporate slide out facility for easy removal for cleaning. Power supplies shall be 100% solid state UL Listed, Module of capacity above 3000 CFM shall be equipped with Pulse width modulating (PWM) The system should be fitted with interlock switch for safety . The system should allow connection to a fan section to achieve 500 FPM velocity across the air Operating Voltage 220V, 50 Hz Ionizing Voltage 12.5 to 13 KVDC Collector Cell Voltage 6 to 6.5 KVDC Power Consumption Not more than 50W per cell. Capacities 3000 CFM</p> <p>DIDW Blower - DIDW Blower, motor, V belt drive, A.V mounting, supports etc. as per Specifications Drawings</p> <p>Casing - Factory fabricated Double Skin construction shall have 25 mm thick PUF injected Panels having density 42Kg Cum with 0.6 mm pre-plasticized pre-coated Galvanised steel sheet outside 0.6 mm plain Galvanised steel sheet inside and fixed on 30x30 mm hollow extruded aluminium section. Casing shall be appropriately housed both Electrostatic Modules and Fan with Drive.</p> <p>Accessories - The cost shall include all accessories like Adjusting motor brackets,base,vee drive belt pulleys, vibration isolators, internal frame works ,canvas connection, Inlet Outlet flange connection etc</p> <p>5100 CMH (3000 CFM) DIDW Blower Capacity at 80 MM ESP 2.25 KW (3 Phase) motor</p>	Nos		1.00	345,000.00	345,000.00
Total :					6.00		871,500.00