

PIONEER PROJECT SOLUTION

HVAC Design & Built Contractors

Registered Office : 12A/20B, Gali No. 10, Vijay Mohallah, Maujpur, Delhi-110053

Tel.: 9810634901 Website : www.pioneerprojects.in Email : projectspioneer@gmail.com

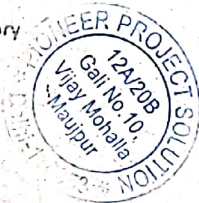
Branch : E-93-B, First Floor, Shaheen Bagh, Abul Fazal Enclave-II, Jamia Nagar, Okhla, New Delhi-110025

TAX INVOICE

| | | | | | | |
|--------------|--|----------|---|------|-----------------------------|------------|
| Order No. | DEL/PO/23-24/00938 | | GST No. | | 07AHQPA6815Q2ZQ | |
| Invoice Date | 2/2/2024 | | Pan No. | | AHQPA6815Q | |
| Invoice No. | 257-2023-24 | | | | | |
| Client Name | Travel Food Services Pvt. Ltd | | Client Detail | | | |
| | | | GST No. | | GSTIN No. - 27AADCB2762L1ZI | |
| | | | C.I.N. | | | |
| Project | HVAC WORK | | Billing Address Travel Food Services Private limited, Block-A, South Wing, 1st, Floor, Shiv Sagar, Estate. Dr Annie Besant Road, Worli Mumbai, 400018. | | | |
| Delivery Add | DEL T1 THIRD WAVE COFFEE | | | | | |
| S.No. | Description | HSN CODE | Unit | Qty. | Rate Rs. | Amount Rs. |
| 1 | HVAC WORK FINAL BILL. | | | | | |
| 1.1 | HVAC project work at Third Wave Coffee. T1, IGI Airport as per agreed Order Value Rs.18,0,000.00/- Plus Taxes, as applicable (18% on Low side work). As per work order 100%, Work Completed, As Per Bill Approved Value Rs,1,60,340. | 995463 | % | 1 | 160,340 | 160,340 |
| | Total | | | | | 160,340 |
| | IGST @ 18 % | | | | | 28,861 |
| | Total | | | | | 189,201 |

For Pioneer Project Solution

Auth Signatory



BILL OF QUANTITIES

PROJECT: **THIRD WAVE COFFEE DELHI 11 AIRPORT**

HVAC - WORKS BILL OF QUANTITIES

DATE: **31/8/2024**

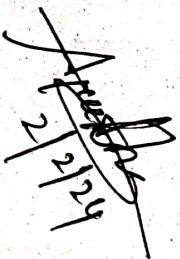
| ITEM | DESCRIPTION | UNITS | QTY | MATERIAL COST | | LABOUR COST | | TOTAL AMOUNT |
|---|---|--------|-----|-----------------|-------------|-----------------|-------------|--------------|
| | | | | UNIT COST (INR) | TOTAL (INR) | UNIT COST (INR) | TOTAL (INR) | |
| <p>CONNECTING/INTEGRATING UNIT M&E SERVICES TO AIRPORT M&E SERVICES/ BUILDING</p> <p>If any termination /connection of the unit services are required outside the site location (ie. connection of the unit M&E to the airport M&E or service termination to the airport external tower/roof etc.), then the contractor has to work in consultation with the airport to plan, design & detail for such connections. The contractor to do all necessary site surveys to verify the optimal routing for the services in such cases. Finally, the contractor to make good after installation any penetrations including providing the seals as required as per airport requirement.</p> | | | | | | | | |
| <p align="center">Provisional Sum</p> | | | | | | | | |
| <p>B HVAC SYSTEM EQUIPMENTS</p> <p>HVAC EQUIPMENTS (CHILLED WATER TYPE FAH COIL UNIT)</p> | | | | | | | | |
| B.1 | Supply, installation, testing, commissioning and field performance of ceiling suspended cooling type water based fan coil unit with all standard valves and packages and necessary supports and fittings. | | | | | | | |
| 1 | 3 TR, 1200 CFM | | 1 | 65000 | 65000 | 10000 | 10000 | 75000 |
| B.2 | Supply, installation, testing, and commissioning of 8IU Meter of Airport approved make and model with all necessary fittings and accessories as required. | | | | | | | |
| 1 | 8IU Meter for 3 IR FCU | | 0 | 20000 | 0 | 4000 | 0 | 0 |
| <p>C AC PIPING</p> <p>HVAC CONDENSATE DRAIN PIPE</p> | | | | | | | | |
| C.1 | Supply and fitting in position of rigid PVC condensate drain water piping with necessary supports and fittings like, U-traps, elbows, tees and reducers insulated with 50mm thick rubber and BOPP tapes. | | | | | | | |
| 1 | 20 mm, Ø | Mtr | 10 | 100 | 1000 | 40 | 400 | 1400 |
| <p>HVAC WATER PIPING</p> <p>Supply, receive, store, handle, install, test and commissioning of the following pre-insulated chilled water with MS class (B) Pipes, with high-strength supports with insulation complete with all fittings such as bends, tees, elbows, reducers, tees, special fittings, suspension hangers, air ports etc. as reqd. For installation as per site conditions and as per specifications. Piping insulation shall be expanded polystyrene of 40 mm and thermal conductivity of 0.14 Btu-in/hr-ft²-°F. The insulation shall completely fill the annular space between the service pipe and jacket and shall be bonded to both, the service pipe & jacket. All the fittings & bends shall be finished with the same finish as specified for preinsulated pipes, supplied by the same company. Pipes to be welded with V-cut grooves as per specifications.</p> | | | | | | | | |
| <p>D AIR DISTRIBUTION DUCTS</p> <p>Supply, installation and testing of Galvanized Steel / Galvanized Iron factory fabricated square / rectangular ducts, complete with ID's flanges and beading receptors, supports using threaded rods and anchor bolts, supply air collars, cones, splitters dampers. The ducts shall be fabricated and installed in line with SMACNA standards. (for Supply Air Duct)</p> | | | | | | | | |
| D.1 | 24 Gauge (for low pressure duct with duct size longer side 0-1000 mm) | Sq Mtr | 11 | 1000 | 11000 | 250 | 2750 | 13750 |
| D.2 | 24 Gauge (for low pressure duct with duct size longer side 0-1000 mm) | Sq Mtr | 2 | 1300 | 2600 | 350 | 700 | 3300 |
| <p>E AIR DISTRIBUTION DUCT INSULATION & LINING</p> | | | | | | | | |
| E.1 | 24 Gauge (for low pressure duct with duct size longer side 0-1000 mm) | Sq Mtr | 6 | 1300 | 7800 | 350 | 2100 | 9900 |
| E.2 | Supply, installation and testing of Flexible duct with insulation complete with necessary connectors, supports using threaded rods and anchor bolts. | Ltr | 3 | 500 | 1500 | 150 | 450 | 1950 |



| Item | Description | Unit | Qty | Rate | Amount | Unit | Qty | Rate | Amount | Unit | Qty | Rate | Amount |
|---|--|---------|-----|------|--------|---------|-----|------|--------|---------|-------|-------|--------|
| E1 | Quality evaluation & testing of framing installation of structure using closed cell equipment with access blocks according to building regulations - Class 17 as per B1 etc. | Sq. Met | 14 | 45 | 630 | Sq. Met | 20 | 50 | 1000 | Sq. Met | 10 | 100 | 1000 |
| E2 | Quality evaluation & testing of structural installation of steel using specialist specialist equipment with access blocks according to building regulations - Class 17 as per B1 etc. with very good turn description, drawing and terms references. | Sq. Met | 4 | 120 | 480 | Sq. Met | 20 | 50 | 1000 | Sq. Met | 10 | 100 | 1000 |
| Air Distribution Ductwork | | | | | | | | | | | | | |
| F1 | Quality evaluation, testing and commissioning of Circular Volume Control Ductwork with high quality equipment & steel and high ductwork with high quality equipment, with high quality equipment. | Mtr | 2 | 2500 | 5000 | Mtr | 20 | 200 | 4000 | Mtr | 100 | 400 | 4000 |
| F2 | Quality evaluation, testing and commissioning of structural aluminium low leakage ductwork / metal ductwork with high quality equipment & steel and high ductwork with high quality equipment, with high quality equipment. | Mtr | 1 | 1500 | 1500 | Mtr | 50 | 30 | 1500 | Mtr | 200 | 70 | 1400 |
| Air Handling Units (AHUs) - (Ceiling, Recessed, Ductless & Lowers) | | | | | | | | | | | | | |
| G1 | Quality evaluation, testing and commissioning of AHU with high quality equipment & steel and high ductwork with high quality equipment, with high quality equipment. | Mtr | 4 | 2500 | 10000 | Mtr | 100 | 400 | 4000 | Mtr | 1000 | 1000 | 10000 |
| H1 | Quality evaluation & testing of ceiling AHU with high quality equipment & steel and high ductwork with high quality equipment, with high quality equipment. | Mtr | 1 | 2115 | 2115 | Mtr | 0 | 200 | 0 | Mtr | 1112 | 1112 | 1112 |
| Grand Total | | | | | | | | | | | | | |
| | | | | | | | | | | | 14000 | 14000 | |
| | | | | | | | | | | | 10000 | 10000 | |
| | | | | | | | | | | | 10000 | 10000 | |

DUCT AND INSULATION MEASUREMENT SHEET

| S. No. | Str.=1 Tpr=2 Bnd=3 Dead End=4 | Duct Piece Nature | Insulation = 1 Acoustic = 2 Both = 3 Otherwise = 0 | Size 1 (mm) | Size 2 (mm) | Size 3 (mm) | Size 4 (mm) | Length 1 (mm) | Length 2 (mm) | No. of Pieces | 24 Ga (Sqmt) | 22 Ga (Sqmt) | 20 Ga (Sqmt) | 18 Ga (Sqmt) | Insulation Area | Acoustic Area | | | | | | |
|--------|---|----------------------|---|----------------|----------------|----------------|----------------|------------------|------------------|------------------|------------------------------------|-----------------|-----------------|-----------------|--------------------|------------------|-------------|--|-------------|--|-------------|--|
| 1 | 1 | Straight Piece | 0 | 350 | 350 | 0 | 0 | 1200 | 1200 | 4 | 6.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 2 | 1 | Straight Piece | 0 | 300 | 300 | 0 | 0 | 1200 | 1200 | 4 | 5.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 3 | 4 | Dead-End | 0 | 400 | 400 | 0 | 0 | 0 | 0 | 1 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 4 | 3 | Bend | 0 | 300 | 300 | 0 | 0 | 1200 | 900 | 1 | 1.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 5 | 4 | Dead-End | 0 | 300 | 300 | 0 | 0 | 0 | 0 | 1 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 6 | 1 | Plenum | 0 | 1500 | 150 | 0 | 0 | 500 | 0 | 2 | 0.00 | 3.30 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 7 | 4 | Dead-End | 0 | 1500 | 200 | 0 | 0 | 0 | 0 | 2 | 0.00 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 8 | 1 | Connection | 0 | 950 | 350 | 350 | 350 | 550 | 550 | 1 | 0.00 | 1.43 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| | | | | | | | | | | | 13.99 | | 5.33 | | 0.00 | | 0.00 | | 0.00 | | | |
| | | | | | | | | | | | 13.99 | | 5.33 | | 0.00 | | 0.00 | | 0.00 | | | |
| | | | | | | | | | | | 19.32 | | 13.99 | | 5.33 | | 0.00 | | 0.00 | | | |
| | | | | | | | | | | | Supply Air Duct Grand Total | | 19.32 | | 13.99 | | 5.33 | | 0.00 | | 0.00 | |


 2/2/24