Purchase Order

QMT LIFESTYLE AND TECHNOLOGY SERVICES PRIVATE LIMITED

Order Number: QMT/PO/24-25/000087

| Supplier Detail | Shipped Location | Invoice Location | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| PIONEER PROJECT SOLUTION Supplier Code: RV242523827 [V0000048] | QMT LIFESTYLE AND TECHNOLOGY SERVICES PRIVATE LIMITED Noida Airport | QMT LIFESTYLE AND TECHNOLOGY SERVICES PRIVATE LIMITED Noida Airport | | | |
| (V0000048) | Noida International Airport Jewar, Greater Noida, Yamuna Expressway, Dist. Gautam Buddha Nagar, Uttar Pradesh, India PIN Code - 203155 | Noida International Airport Jewar, Greater Noida, Yamuna Expressway, Dist. Gautam Buddha Nagar, Uttar Pradesh, India Pin Code - 203155 GSTIN No : 09AAACQ9499G1ZR | | | |
| PAN No : AHQPA6815Q Supplier GST No : 07AHQPA6815Q2ZQ Supplier Contact No : Contact Person Name : MOHD ASHRAF Supplier Email : projectspioneer@gmail.com | Cost Center Code : 90620734 Cost Center Name : Noida Idli.com F06 Dom Headhouse Project ID : 0 PO Category : Capex NSO | Payment Term: 100% against high side and 30% against low side PO Creation Date: 02/01/2025 PO Approval Date: 0 PO Currency: INR Buyer Name: Binu Balachandran | | | |

| Sr.No | Item Code | HSN\S <mark>AC</mark> Code | Item Name | Item Description | Pur. Grp. | Qty | иом | Basic Rate | Dis% | Net Rate | Total Amount | IGST % | Gross Total Amount |
|-------|---------------------|-------------------------------|------------------|--------------------------------|--------------|------|-----|------------|------|------------|--------------|-----------|-----------------------|
| - | Hvac - High Side | 8414 | Hvac - High Side | Hvac - <mark>Hig</mark> h Side | C01 | 1.00 | NOS | 440,000.00 | 0.00 | 440,000.00 | 440,000.00 | 18 | 519,200.00 |
| _ | Hvac-Low Side | 995463 | Hvac-Low Side | | C01 | 1.00 | NOS | 317,280.00 | 0.00 | 317,280.00 | 317,280.00 | 18 | 374,390.40 |
| _ | Fire Sprinkler | 8415 | Fire Sprinkler | Fire Sprinkler | C01 | 1.00 | NOS | 71,300.00 | 0.00 | 71,300.00 | 71,300.00 | 18 | 84,134.00 |

Total Qty: 3.00

Total Basic PO Amount 828,580.00

Total Other Charges

149,144 **IGST Amount**

Grand Total PO Amount 977,724.40

Amount In Words: Rupees Nine Lakh Seventy Seven Thousand Seven Hundred Twenty Four And Fourty Paisa Only

Remarks: L1 vendor Pioneer **Standard Terms And Condition: Completion / Delivery TimeLine:**

Mobilization Date:

Defects Liability Period: Retention Percentage: 0

| Escalation Buyer Detail | | | | | | | | |
|-------------------------|------------|------------|--|--|--|--|--|--|
| Name | Mobile No. | Email - ID | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

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 : Hvac - High Side

ItemName : Hvac - High Side

| Sr No | Item Code | Item Name | UOM | Remarks | Quantity | Supplier Rate | Amount |
|-------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---------|----------|---------------|------------|
| 1 | B.1.1 | 3.5 TR - (1300 CFM @ 50-70 PASCAL -ESP) | Nos | | 1.00 | 65,000.00 | 65,000.00 |
| 2 | B.2 | Supply, Installation, Testing commissioning of 25mm thick mineral wool insulated Double Skin Inline fresh air fans (With Pre-Fiter). Outer skin shall be 0.6 mm pre plasticized or powder coated GSS sheet. Inner sheet shall be 0.6 mm plain GSS perforated. Extruded Aluminum corners. Complete with Glass view panel, motor guard, marine light, limit switch, cable entry, GSS base frame. Screw less construction with zero leakage in the panel joints. Inspection door for all the sections. Fan PLUG TYPE, IE - 3, Motor shall be suitable for Variable Frequency Drive along with control panel and necessary cabling. The unit shall be suitable for 400 ± 15 volts, 50 Hz, 3 phase AC supply. Terminal box of the unit shall be IP54 rated. Quote shall be inclusive of all necessary mounting and fixing arrangements for the fan. Note External Static Pressure (ESP) is calculated based on design drawing how ever contractor to select fan to match with actual pressure drop based on site condition. Pressure drop calculation and selection to be submitted to consultant for review approval. The procurement shall be processed only after pressure drop calculations selections duly verified from the consultants. | | | 0.00 | 0.00 | 0.00 |
| 3 | B.1 | Supply, installation, testing and commissioning of chilled water type High static Fan coil unit of approved make comprises with evaporator coil, high efficiency fan-motor assembly, 4RD chilled water cooling coil section, pre-filters with EU3 G4 class filters, condensate drain pan (SS 18G) duly insulated with cross linked polymer, insulated drain piping. The unit shall be suitable for 230 ± 10 volts, 50 Hz, 1 phase AC supply with all necessary mounting and fixing arrangements for the equipment, including hanging arrangements with vibration isolation as required based on the hanging structure above with a suitably sized stainless steel insulated drip tray below the AC equipment. Fan coil units shall be selected for the lowest operating noise level. | | | 0.00 | 0.00 | 0.00 |
| 4 | | AC EQUIPMENT (CHILLED WATER - TYPE) | | | 0.00 | 0.00 | 0.00 |
| 5 | | AIR CLEANING EQUIPMENTS | | | 0.00 | 0.00 | 0.00 |
| 6 | B.4 | Supply, installation, testing and commissioning of Double Skinned ceiling suspended Dry scrubber of approved make with minimum 25 mm thick mineral whool panels of minimum 40 Kg m3 density with 0.60 mm precoated GSS outer skin and 0.60 plain inner skin, including EU4 Pre Filter, ionizer, collection plate. The Unit shall be suitable for 230V, 1 Phase, 50 Hz AC supply. Auto power cut-off when door is opened, short circuit, arc protection and auto restore power supply, Quote shall be inclusive of all necessary mounting and fixing arrangements for the equipment, including hanging arrangements with vibration isolation as required based on the hanging structure above. | | | 0.00 | 0.00 | 0.00 |
| 7 | B.4.1 | 4130 CFM | Nos | | 1.00 | 165,000.00 | 165,000.00 |
| 8 | | VENTILATION FANS | | | 0.00 | 0.00 | 0.00 |
| 9 | B.2.1 | 3300 CFM @ 250 PASCAL - ESP. | Nos | | 1.00 | 115,000.00 | 115,000.00 |

| 10 | B.3 | Supply, Installation, Testing Commissioning of Kitchen exhaust air | 0.00 | 0.00 | 0.00 |
|------|-------|----------------------------------------------------------------------------|-------------|-----------|------------|
| 1 10 | 0.0 | Vane Tube Axial flow type fans of approved make complete with | 0.00 | 0.00 | 0.00 |
| | | aluminum alloy blades with aerofoil design, bird screen, flexible | | | |
| | | connection gravity louvers at outlet. Motor shall be of IE 3, Motor | | | |
| | | shall be suitable for Variable Frequency Drive along with control | | | |
| | | panel and necessary cabling, the motor should be located outside | | | |
| | | of the hot air stream, Class H insulation. | | | |
| | | The unit shall be suitable for 400 ± 15 volts, 50 Hz, 3 phase AC | | | |
| | | supply. | | | |
| | | Sound level at 3 mtr distance from fan outlet shall not be more than | | | |
| | | 80 db(A).Including control panel and all necessary cabling and | | | |
| | | terminations. | | | |
| | | Fans should be AMCA certified for Air Sound. Manufacturer shall | | | |
| | | submit "Certificate of conformity for 250 deg for 2 hours operation | | | |
| | | as per EN12101-3 2002 issued by Internationally recognized | | | |
| | | Independent Fire Laboratory should be submitted along with type | | | |
| | | test report. The Type test report should clearly indicate the make of | | | |
| | | motor used during the testing and the same make model of motor | | | |
| | | should be supplied by the fan manufacture at the site. RPM Should | | | |
| | | Not exceed 1450. However lower cfm up to 5000 CFM can be | | | |
| | | provided at 2850 RPM. Outlet velocity should not exceed 16 m s. | | | |
| | | Quote shall be inclusive of all necessary mounting and fixing | | | |
| | | arrangements for the equipment, including hanging arrangements | | | |
| | | with vibration isolation as required based on the hanging structure above. | | | |
| | | Note External Static Pressure (ESP) is calculated based on | | | |
| | | design drawing how ever contractor to select fan to match with | | | |
| | | actual pressure drop based on site condition. Pressure drop | | | |
| | | calculation and selection to be submitted to consultant for review | | | |
| | | approval. The procurement shall be processed only after pressure | | | |
| | | drop calculations selections duly verified from the consultants. | | | |
| 11 | B.3.1 | 4130 CFM @ 600 PASCAL - ESP. Nos | 1.00 | 95,000.00 | 95,000.00 |
| | | | Total: 4.00 | | 440,000.00 |

ItemCode: Hvac-Low SideItemName: Hvac-Low Side

| Sr No | Item Code | Item Name | UOM | Remarks | Quantity | Supplier Rate | Amount |
|-------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|----------|---------------|-----------|
| 1 | С | AC PIPING AND ACCESSORIES | | | 0.00 | 0.00 | 0.00 |
| 2 | C.1.1 | 25 mm Ø | Mtr | | 4.00 | 120.00 | 480.00 |
| 3 | | AC CHILLED WATER PIPING | | | 0.00 | 0.00 | 0.00 |
| 4 | | Supply, installation, testing Commissioning of FCU Valve Kit of approved make for HVAC fan coil units in heating cooling systems for FCUs. Complete with pressure independent control valve with proportional linear actuator (Modulating type), three-way shut-off valves, integrated by-pass, Venturi device with pressure test ports, Shut Off valve with Strainer and pre-formed shell insulation made of PPE. Flexible connector with threaded nuts clamps to be provided between the unit and kit of suitable length. | | | 0.00 | 0.00 | 0.00 |
| 5 | D.1.1 | 32 mm Ø | Nos | | 1.00 | 35,000.00 | 35,000.00 |
| 6 | E.1.1 | 24 Gauge - (0.70 mm Thick) - Supply Air Duct | Sq.mtr | | 14.00 | 1,250.00 | 17,500.00 |

| B | 7 | E.2 | Supply, installation, and testing of Black Steel (BS) Ducts fabricated with hot rolled or cold rolled black steel sheets Square Rectangular Ducts of approved make with fully welded leak proof construction with Fire rated spay coat or painted with multiple coats of Red Oxide along with Rock wool insulation conforming to NFPA 96 Standards. with all necessary fittings, connections, vanes, flanges, bracings, gaskets, duct collars, splitter dampers, and all necessary duct supports like MS Angle bars, threaded rods, anchor bolts, nuts, bolts, structural beam clamps as applicable. Duct and all other accessories shall be fire resistant, The ducts shall be fabricated and installed in line with SMACNA or DW-144 as required by Airport local regulatory or approval body having | | 0.00 | 0.00 | 0.00 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|----------|-----------|-----------|
| Fi.1.2 | 8 | E.3 | jurisdiction. Supply, installation, and testing of Insulated Flexible Duct Connectors (Canvas connection) of approved make to isolate vibrations and noises caused by air handling units or any other equipment s connected to the duct with air tight fittings with all | | 0.00 | 0.00 | 0.00 |
| F.3 Supply, installation of Acoustic Lining of approved makes for duct insulation using open cell processed elastomeric nitrie rubber, with having a denaty of 150 a. 10 kg m3 Quites hall be inclusive of necessary African I to kg m3 Quites hall be inclusive of necessary African I to kg m3 Quites hall be inclusive of necessary African I to kg m3 Quites hall be inclusive of necessary African I to kg m3 Quites hall be inclusive of necessary African I to kg m3 Quites hall be inclusive of necessary African I to kg m3 Quites hall be inclusive of necessary African I to kg m3 Quites I t | 9 | E.3.1 | For FCU | Nos | 1.00 | 2,500.00 | 2,500.00 |
| Insulation using open cell processed elastomeric nitrile rubbet, with having a density of 150 ± 10 Kg m3 Quote shall be inclusive of necessary Adhesive. Thermal conductivity of the insulation material shall not exceed 0.0.47 wif K at an average temperature of 20°C. 12 G.1 | 10 | F.1.2 | 13 mm thicknesses - (SAD) | Sq.mtr | 14.00 | 550.00 | 7,700.00 |
| Dowler coated Opposed Biade Damper Collar Damper of approved make. Supply, installation, testing and commissioning of Aluminium powder coated Low Leakage Square. Rectangular Volume Control Damper of approved make with are-foliol opposed blades and nylon gears system outside air stream with adjustable handle with position arresting bott. Size - 250 x 250 mm | 11 | F.3 | insulation using open cell processed elastomeric nitrile rubber, with having a density of 150 ± 10 Kg m3 Quote shall be inclusive of necessary Adhesive. Thermal conductivity of the insulation material | | 0.00 | 0.00 | 0.00 |
| Dowder coated Low Leakage Square Rectangular Volume Control Damper of approved make with aer-folia popsed blades and rylon gears system outside air stream with adjustable handle with position arresting bolt. 14 G.3.1 Size - 250 x 250 mm | 12 | G.1 | powder coated Opposed Blade Damper Collar Damper of | | 0.00 | 0.00 | 0.00 |
| 15 G.3.2 Size - 300 x 250 mm | 13 | G.2 | powder coated Low Leakage Square Rectangular Volume Control Damper of approved make with aero-foil opposed blades and nylon gears system outside air stream with adjustable handle with | | 0.00 | 0.00 | 0.00 |
| 16 | 14 | G.3.1 | Size - 250 x 250 mm | Nos | 7.00 | 1,000.00 | 7,000.00 |
| 17 H.2 Supply, installation, and testing of Extruded Aluminium Fresh Air Sand Trap Louver of approved make with Bird screen and Wire mesh with all necessary fixing arrangements. Powder coated finish with RAL Colour as required by ID Designer Architect. Nos 1.00 42,500.00 42,500.00 18 D.3.1 32 mm Ø Nos 1.00 42,500.00 42,500.00 19 D.5.1 Automatic Air Vent connected in chilled water supply return line Nos 2.00 800.00 1,600.00 20 E AIR DISTRIBUTION DUCTS RECTANGULAR DUCTS 0.00 0.00 0.00 0.00 21 F.1.2 25 mm thicknesses - (FAD) Sq.mtr 29.00 850.00 24,650.0 22 G AIR DISTRIBUTION DUCT - DAMPERS DUCT AIR CONTROL DAMPERS 0.00 0.00 0.00 23 G.1.1 Size - 300 x 300 mm Nos 4.00 1,400.00 5,600.00 | 15 | G.3.2 | Size - 300 x 250 mm | Nos | 1.00 | 1,200.00 | 1,200.00 |
| Sand Trap Louver of approved make with Bird screen and Wire mesh with all necessary fixing arrangements. Powder coated finish with RAL Colour as required by ID Designer Architect. Nos 1.00 42,500.00 42,500.00 | 16 | | LOUVERS | | 0.00 | 0.00 | 0.00 |
| 19 D.5.1 Automatic Air Vent connected in chilled water supply return line Nos 2.00 800.00 1,600.00 20 E | 17 | H.2 | Sand Trap Louver of approved make with Bird screen and Wire mesh with all necessary fixing arrangements. Powder coated finish | | 0.00 | 0.00 | 0.00 |
| 20 E AIR DISTRIBUTION DUCTS RECTANGULAR DUCTS | 18 | D.3.1 | 32 mm Ø | Nos | 1.00 | 42,500.00 | 42,500.00 |
| RECTANGULAR DUCTS | 19 | D.5.1 | Automatic Air Vent connected in chilled water supply return line | Nos | 2.00 | 800.00 | 1,600.00 |
| 22 G AIR DISTRIBUTION DUCT - DAMPERS DUCT AIR CONTROL DAMPERS 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 <td>20</td> <td>E</td> <td></td> <td></td> <td>0.00</td> <td>0.00</td> <td>0.00</td> | 20 | E | | | 0.00 | 0.00 | 0.00 |
| DUCT AIR CONTROL DAMPERS Nos 4.00 1,400.00 5,600.00 | 21 | F.1.2 | 25 mm thicknesses - (FAD) | Sq.mtr | 29.00 | 850.00 | 24,650.00 |
| | 22 | G | | | 0.00 | 0.00 | 0.00 |
| 24 G.2.2 Size - 300 x 150 mm Nos 1.00 1,200.00 1,200.00 | 23 | G.1.1 | Size - 300 x 300 mm | Nos | 4.00 | 1,400.00 | 5,600.00 |
| | 24 | G.2.2 | Size - 300 x 150 mm | Nos | 1.00 | 1,200.00 | 1,200.00 |

| 25 | H.1 | Supply, installation, testing and commissioning of Extruded Aluminium Linear Bar Square Grille of approved make with fixed Aerofoil blades 15° deflection with frame of 20mm flange frame with 8 mm step suitable to tegular grid type false ceiling with all necessary fixing arrangements. Powder coated finish with RAL Colour as required by ID Designer Architect. | | | 0.00 | 0.00 | 0.00 |
|----|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---|------|----------|-----------|
| 26 | H.1.1 | Neck Size - 300 mm X 300 mm - (2 - Way) | Nos | | 6.00 | 1,800.00 | 10,800.00 |
| 27 | Н.3 | Supply, installation, testing and commissioning of Extruded Aluminium Exhaust Air Louver of approved make with 45 degree blades to avoid rain water penetrations continued with wire mesh and bird screen, 30 mm flange with all necessary fixing arrangements. Powder coated finish with RAL Colour as required by ID Designer Architect. | | | 0.00 | 0.00 | 0.00 |
| 28 | J.1 | All services like Ducts, Pipes need to be clearly labelled or tagged at site with service identification flow direction etc. And all equipment needs to tagged as per Airport requirements. | | | 0.00 | 0.00 | 0.00 |
| 29 | C.1 | Supply, installation and testing of Rigid uPVC condensate drain water piping of approved make with necessary supports and fittings like, U-traps, elbows, tees and reducers insulated with 9mm nitrile rubber and BOPP tape. | | | 0.00 | 0.00 | 0.00 |
| 30 | | AC CONDENSATE DRAIN PIPE | | | 0.00 | 0.00 | 0.00 |
| 31 | C.2 | Supply, installation and testing of MS class (C) Chilled water pipes with insulation of approved make with vapor barrier and finished with protective coating (Pidilite Equivalent) over a layer of 7 Mil glass cloth for mechanical protection complete with supports and all fittings such as bends, tees, elbows, reducers, flanges, special fittings, suspension hangers, supports etc. Piping insulation shall be expanded polyurethane foam with 36 kg m3 minimum density, thickness as specified below, 85% minimum closed cell content and thermal conductivity of 0.019 W m.k at 10°C. The insulation shall completely fill the annular space between service pipe and jacket and shall be bonded to both by Cold adhesive. Rubber saddles shall be considered below supports for all the piping works. | | | 0.00 | 0.00 | 0.00 |
| 32 | D | AC PIPING VALVES ACCESSORIES | | | 0.00 | 0.00 | 0.00 |
| 33 | D.2.1 | 32 mm Ø | Nos | | 2.00 | 3,050.00 | 6,100.00 |
| 34 | D.4 | Supply, Installation, Testing, and Commissioning of Forged Brass Drain Valve Drain Cock, of approved make rubber seal, O rings e with all necessary fixing arrangements. | | | 0.00 | 0.00 | 0.00 |
| 35 | D.4.1 | Drain Valve connected in chilled water supply return line | Nos | | 2.00 | 1,050.00 | 2,100.00 |
| 36 | D.5 | Supply, Installation, Testing, and Commissioning of Forged Brass Automatic Air Vent of approved make with all necessary fixing arrangements. | | | 0.00 | 0.00 | 0.00 |
| 37 | D.6 | Supply, Installation, Testing, and Commissioning of Analog type Pressure Gauge of approved make with all necessary fixing arrangements. | | | 0.00 | 0.00 | 0.00 |
| 38 | D.7 | Supply, Installation, Testing, and Commissioning of Analog type Thermometer of approved make with all necessary fixing arrangements. | | | 0.00 | 0.00 | 0.00 |
| 39 | D.7.1 | Dial Size - 63 mm Ø | Nos | | 2.00 | 1,200.00 | 2,400.00 |
| | | • | | • | | | |

| 40 | E.1 | Supply, installation and testing of Galvanized Iron (GI) Galvanized Steel (GS) 120GSM Zinc coated factory fabricated Square Rectangular Ducts of approved make with all necessary fittings, connections, vanes, flanges, bracings, gaskets, duct collars, splitter dampers, and all necessary duct supports like MS Angle bars, slotted rails, threaded rods, anchor bolts, nuts, bolts, structural beam clamps as applicable. The ducts shall be fabricated and installed in line with SMACNA or DW-144 as required by Airport local regulatory or approval body having jurisdiction. | | 0.00 | 0.00 | 0.00 |
|----|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------|----------|-----------|
| 41 | | FLEXIBLE DUCTS | | 0.00 | 0.00 | 0.00 |
| 42 | F | AIR DISTRIBUTION DUCT - THERMAL INSULATIONS ACCOUSTIC LINNINGS | | 0.00 | 0.00 | 0.00 |
| 43 | F.1 | Supply, installation of Thermal Insulation of approved make for duct insulation using closed-cell elastomeric nitrile rubber Class O rated as per BS 476 Part 6 1989 for fire propagation test and for Class 1 as per BS 476 Part 7, 1987 for surface spread of flame test. Water vapour permeability shall be not less than 0.024 per inch (2.48 x 10-13 Kg m.s.Pa i.e. µ>7000 Water Vapor diffusion resistance) as per DIN 53122 part 2, DIN 52615 EN 12086 EN13469. Black Colour with having a density of 50 ± 10 Kg M3. Quote shall be inclusive of necessary Adhesive. | | 0.00 | 0.00 | 0.00 |
| 44 | F.3.1 | 15 mm thicknesses - (SAD) | Sq.mtr | 4.00 | 1,250.00 | 5,000.00 |
| 45 | G.2.1 | Size - 250 x 150 mm | Nos | 7.00 | 1,000.00 | 7,000.00 |
| 46 | G.2.4 | Size - 400 x 200 mm | Nos | 1.00 | 1,600.00 | 1,600.00 |
| 47 | G.3.3 | Size - 350 x 300 mm | Nos | 1.00 | 1,400.00 | 1,400.00 |
| 48 | C.2.1 | 32 mm Ø - (Insulation - 30 mm thick) | Nos | 6.00 | 1,250.00 | 7,500.00 |
| 49 | D.2 | Supply, Installation, Testing, and Commissioning Forged Brass Ball Valve of approved make with full bore lever operated with a pressure rating of PN 16. Valve insulation shall be same thickness for corresponding size as chilled hot water pipe insulation with threaded connection ends with all necessary fixing arrangements. | | 0.00 | 0.00 | 0.00 |
| 50 | D.3 | Supply, Installation, Testing, and Commissioning BTU Meter of approved make with direct pipe connection type or operated via sensor module connected supply and return pipe with all necessary fixing and valve arrangements. LCD display (shows all water parameters), with flow rate, temperature inputs, data storage up to 365 days. The display panel shall be mounted at readable height and it shall include interconnecting wiring between the flow meter and the display panel. The unit shall be housed in a totally tamper proof box with all necessary fixing arrangements. Unit shall be compatible with facility Building Management System. (Make and model shall be as per Airport requirement) | | 0.00 | 0.00 | 0.00 |
| 51 | D.6.1 | Dial Size - 63 mm Ø | Nos | 2.00 | 1,850.00 | 3,700.00 |
| 52 | D.8 | Supply, installation, testing commissioning of Test point of approved make with all necessary fixing arrangements | | 0.00 | 0.00 | 0.00 |
| 53 | D.8.1 | Test point for supply and return lines | Nos | 2.00 | 550.00 | 1,100.00 |
| 54 | E.1.2 | 24 Gauge - (0.70 mm Thick) - Make-Up Air Duct | Sq.mtr | 29.00 | 1,250.00 | 36,250.00 |
| 55 | E.2.1 | 18 Gauge - (1.21 mm Thick) - Kitchen Exhaust Air Duct | Sq.mtr | 26.00 | 1,850.00 | 48,100.00 |
| 56 | F.2 | Supply, installation of Thermal Insulation of approved make for Kitchen exhaust ducting using rockwool with silver foil covering, density of 50 Kg m3.Quoute shall be inclusive of necessary Adhesive. | | 0.00 | 0.00 | 0.00 |

| 57 | F.2.1 | 25 mm thicknesses - (KEAD) - For Kitchen Exhaust | Sq.mtr | | 26.00 | 550.00 | 14,300.00 |
|----|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|--------------------|----------|------------|
| 58 | | AIR DISTRIBUTION DUCT - ACCOUSTIC LININGS | | | 0.00 | 0.00 | 0.00 |
| 59 | G.2.3 | Size - 350 x 300 mm | Nos | | 1.00 | 1,400.00 | 1,400.00 |
| 60 | G.2.5 | Size - 400 x 350 mm | Nos | | 1.00 | 2,000.00 | 2,000.00 |
| 61 | G.2.6 | Size - 500 x 450 mm | Nos | | 1.00 | 2,600.00 | 2,600.00 |
| 62 | G.3 | Supply, installation, testing and commissioning of MS powder coated Low Leakage Square Rectangular Volume Control Damper of approved make with aero-foil opposed blades and nylon gears system outside air stream with adjustable handle with position arresting bolt.(For Kitchen Exhaust MS duct) | | | 0.00 | 0.00 | 0.00 |
| 63 | G.3.4 | Size - 600 x 300 mm | Nos | | 1.00 | 2,000.00 | 2,000.00 |
| 64 | Н | AIR TERMINALS - (GRILLES, REGISTERS, DIFFUSERS LOUVERS) | | | 0.00 | 0.00 | 0.00 |
| 65 | | GRILLES | | | 0.00 | 0.00 | 0.00 |
| 66 | H.2.1 | Size - 750 mm X 600 mm | Nos | | 1.00 | 4,500.00 | 4,500.00 |
| 67 | H.3.1 | Size - 950 mm X 600 mm | Nos | | 1. <mark>00</mark> | 5,500.00 | 5,500.00 |
| 68 | J | HVAC SERVICE IDENTIFICATION LABELS, SIGNS TAGS | | | 0.00 | 0.00 | 0.00 |
| 69 | J.1.1 | Labelling Taggin <mark>g for Services and</mark> Equipment s | Lot | | 1.00 | 5,000.00 | 5,000.00 |
| | | | | Total : | 202.00 | | 317,280.00 |

ItemCode : Fire Sprinkler
ItemName : Fire Sprinkler

| Sr No | Item Code | Item Name | UOM | Remarks | Quantity | Supplier Rate | Amount |
|-------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---------|----------|---------------|----------|
| 1 | В | FIRE SPRINKLER SYSTEM | | | 0.00 | 0.00 | 0.00 |
| 2 | B.1 | Supply, Installation, Testing Commissioning of Automatic Concealed Fire Sprinkler Heads (Bulb type Sprinklers) with adjustable Escutcheon plates (Rosette plates). Standard Temperature Response with 5mm glass bulb, Temperature rating of 68° C, K-factor of 80, Nominal Thread size of 1 2 NPT (15mm) and a Orifice size of 13mm with a Max. Working Pressure of 12 Bar (Factory hydrostatic test presure of 35 Bar) and to be Manufactured Certified to UL 199. Shall also include suspending arrangement with ceiling wall etc. | | | 0.00 | 0.00 | 0.00 |
| 3 | B.1.1 | Pendant type of 68° C (Finishing - Chrome Plated) | Nos | | 1.00 | 2,250.00 | 2,250.00 |
| 4 | B.1.2 | Pendant type of 79° C (Finishing - Chrome Plated) | Nos | | 5.00 | 1,450.00 | 7,250.00 |
| 5 | B.2 | Supply, Installation, Testing Commissioning of Cast Iron Butterfly Valve slimseal PN16 (working pressure of 16 Bar), standard flow control lever operated with stainless steel shaft disc, seat material with Black Nitrile EPDM, flanges nuts and bots etc. | | | 0.00 | 0.00 | 0.00 |
| 6 | B.5 | Supply, Installation, Testing Commissioning of Pressure Guage with a range of (0 - 300) PSI and 90mm dial size, near to flow switch with ball valves, siphon, fittings like unions colors reducer etc. | | | 0.00 | 0.00 | 0.00 |
| 7 | B.5.1 | Pressure Gauge with 1 4 BSPT NPT connection | Nos | | 1.00 | 1,850.00 | 1,850.00 |
| 8 | B.6.1 | 25 mm Dia | Mtr | | 10.00 | 750.00 | 7,500.00 |
| 9 | B.6.2 | 50 mm Dia | Mtr | | 5.00 | 1,250.00 | 6,250.00 |

| 21 | B.7.1 | T-bar bracket (TBL or TBS),Stock bar and Nuts etc. Assembly Length of (1500 mm) | | 6.00 | 2,650.00 | 15,900.0 |
|----|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------------------|-----------|-----------|
| 20 | B.7 | Supply Fixing of UL Listed Stainless Steal Braided Flexible Sprinkler Hose with a working pressure of 12 Bar, Inlet Nipple(1 (25mm) BSPT NPT connection),Outlet Reducer (1 2 (15mm) BSPT NPT connection), Isolation Ring, Gasket, Snap Clamp, | | 0. <mark>00</mark> | 0.00 | 0.04 |
| 19 | | FIRE SPRINKLER PIPING | | 0.00 | 0.00 | 0.00 |
| 18 | B.4 | Supply, Installation, Testing Commissioning of Flow Switch on Sprinkler distribution header pipe with a working pressure of 31 Bar (450 PSI) and a flow sensitivity range of 4-10 GPM (15 - 38 LPM) on each floor zone inside proposed demise area tap of point, shall be connected to fire alarm panel through cable. | | 0.00 | 0.00 | 0.00 |
| 17 | | FIRE SPRINKLER PIPE VALVES ACCESSORIES | | 0.00 | 0.00 | 0.00 |
| 16 | B.6.3 | 65 mm Dia | Mtr | 5. <mark>00</mark> | 1,650.00 | 8,250.00 |
| 15 | B.6 | Supply, Installation, Testing Commissioning of MS C Class Fire Sprinkler Pipe confirming to IS 1239 with all fittings like bends, tees, flanges, nut, bolt and washers etc, and proper pipe supports to not more than 3 meter apart of the pipe length. The pipe work shall be hydrostatically tested for not less than 2 hours at 15 Bar (or 1.5 times the working) pressure without leak. The pipes are to be applied with 2 coats of primer (indicated film thickness, dry 50 microns) and 2 coats of enamel finish paint of approved colour (indicated film thickness, dry 30 microns) | | 0.00 | 0.00 | 0.00 |
| 14 | B.4.1 | 100 mm Dia | Nos | 1.00 | 12,500.00 | 12,500.00 |
| 13 | B.3.1 | 25 mm Dia | Nos | 1.00 | 1,050.00 | 1,050.00 |
| 12 | В.3 | Supply, Installation, Testing Commissioning of Brass body Test And Drain Valve with Sight Glass, working pressure of 20 Bar (300 PSI), standard lever operated with stainless steel stem lever, with necessary weldable fittings in position as per drawings site conditions. | | 0.00 | 0.00 | 0.00 |
| 11 | B.2.1 | 100 mm Dia | Nos | 1.00 | 8,500.00 | 8,500.00 |
| 10 | | AUTOMATIC FIRE SPRINKLER HEADS ACCESSORIES | | 0.00 | 0.00 | 0.0 |