



Pakistan State Oil Company Limited

PSO House, Khayaban-e-Iqbal, Clifton, Karachi-75600, Pakistan
Telephone (021) 9203866-85 Fax (021) 9203796

PAGE

1	OF	8
RFQ No	AD-19959IA	
DATE	02.09.2026	

REQUEST FOR QUOTATION

(THIS IS PRICE ENQUIRY-NOT AN ORDER)

SAP No.6100018062

Company PSO Dummy Vendor
PAKISTAN

QUOTATION REQUIRED

ON
(Date)

17.09.2026

BY
(Time)

2:15 PM

Please quote your best price for all items of following specifications. Please read the instructions attached herewith Rs. _____ EARNEST MONEY Fix %
PO/DD NO. _____

Title: Supply and Installation of Air Handling Units at 4th Floor, PSO House.

S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
1	<u>Air Handling Unit- (55 Ton)</u> Supply and installation of 55 Ton AHU with VFD Controller of following specs: BASIC DATA: - Type: Double Decker. - Inner Sheet: Galvanized Iron Sheet (0.5 mm). - External Sheet: Pre-Plasticized Steel Sheet. - Insulation Double Skin: P3 Injection Molded Insulation. - Casing Strength: D2 (M). - Thermal Transmit (min): T3. - Thermal Bridging: TB3. - Ext. Leakage Rate: L2. - Panel Thickness: 25 mm (min). - Unit Profile: TB-2 Thermal Break Profile. - Fins: Blue Hydro Dip as per ARI 410. - Fans: AMCA Certified. DESIGN DATA: - Dimensions Approx. (LxWxH)mm: 2000 x 2750 x 2500. - Type: Double Decker Type Draw Through with Rear Intake & Top Discharge. - Fan Orientation: Forward Curved Centrifugal Fan. - Total Air Flow Rate: 16000 CFM. - Total Cooling Capacity: 660,000 Btu/Hr (55 Ton). - External Static Pressure: 2.00 In.Wg. - Chilled Water Flow Rate: 8.8 L/s. SECTION DETAILS: - Frame Material: GI Sheet 16 Gauge / Aluminum Section. - Type of Insulation: Close Cell Insulation 25mm. - Panel Thickness: 25 mm. - Panel Sheet Finish: Baked Powder Coated. - Panel Sheet Thickness: 1.0 mm thick.	<u>PSO House</u>	<u>EA</u>	1		



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2 OF 8

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Title: Supply and Installation of Air Handling Units at 4th Floor, PSO House.

S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
	- Coil Connection: As per Site (Facing from Filter Side). - Coil Tray / Drain Tray: SS 304/ 316L Material (as per Coil size). - Fan Arrangement: As per design. RETURN PLENUM CONSTRUCTION DETAILS: - Outdoor Body: Pre-Plasticized Sheet (As per outer body of the AHU). - Inner Body: Galvanized Iron Sheet (16 Gauge). - Insulation: Injection Molded PU Foam (25mm). FILTER SECTIONS: - Type: G-4 (Mesh). - Air Vol (m3/s): 7.08. - Filter Size with Qty: As per size. COOLING COIL: - Fluid Type: Water. - Material: Copper (22g min). - Fin Material: Aluminum (As per standard). - Tube Size: 5/8 square inches (24g min). - Rows: 4 (min). - No. of Tubes: 30 (min). - No. of Fins/inch: 12 (min). - Header Size: 64 mm (approx.). - Coil Circuit: As per EUROVENT Standards. - Cooling Capacity: 660,000 Btu/Hr (55 Ton). - Coil Face Velocity: Max 2.5 m/s. - Air Flow Rate: 16000 CFM. - Chilled Water Flow Rate: 8.8 L/s. - Air-In DB/WB (°C): 27/19.5 - Air-Out DB/WB (°C): 12/11.6 - Water-IN (°C): 8. - Water-Out (°C): 12. - Connection Size: DN 80.					



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3	OF	8
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Title: Supply and Installation of Air Handling Units at 4th Floor, PSO House.

S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
	BLOWER: - Fan Type: Forward Curved Centrifugal. - Fan Size(ft): As per CFM req. - External Static Pressure: 2.00 In.Wg. - Total Static Pressure: 3.15 In.Wg. - Fan Speed: 1700 (min) RPM. - Efficiency: 80%. - Noise: Low Noise Blower (50-60 dB). - Rubber Vibration Isolator: Provided Under Fan & Motor Assembly. ELECTRIC MOTOR WITH VFD: - Type: TEFC. - Brand: Siemens or equivalent. - Efficiency Class: IE3. - Protection Class: IP-55 or better. - Motor Power: 15-4 KW-Pole. - Motor RPM: 1500 (min). - Electric Supply (V/Ph/Hz): 380/400-3-50 Hz. - VFD: ABB/Schneider/Danfoss/Equivalent. OTHER COMPONENTS DETAIL: - Skid Height: 3-5 Inch. ADDITIONAL PARTS: - Strainer: As Per Unit Standard (Tozen, Econosto or equivalent). - Thermostats: As Per Unit Standard. - Gate Valves: As Per Unit Standard (Tozen, Econosto or equivalent). - Pressure Gauge: As Per Unit Standard (Weiss or equivalent). - Temperature Gauge: As Per Unit Standard (Weiss or equivalent). - Unit Rubber Foundation: As Per Unit Standard. - Insulation & Cladding: As Per Unit Standard. - MS Pipe: As Per Unit Standard (Sch-40). - Cloth Wrapping of all Duct Inside AHU room. - Duct Flexible Connectors: As Per Unit Standard. - Waterproof Lights: As per Unit Standard.					



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PAGE

4 OF 8

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Title: Supply and Installation of Air Handling Units at 4th Floor, PSO House.

S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
2	- Wiring from DB to AHU & Ducting: As Per Unit Standards. - Standard Nuts and Bolts for Connecting Sections. WARRANTY: - 12 months from the date of Commissioning. <u>Air Handling Unit (60 Ton)</u> Supply and installation of 60 Ton AHU with VFD Controller of following specs: BASIC DATA: - Type: Double Decker. - Inner Sheet: Galvanized Iron Sheet (0.5 mm). - External Sheet: Pre-Plasticized Steel Sheet. - Insulation Double Skin: P3 Injection Molded Insulation. - Casing Strength: D2 (M). - Thermal Transmit (min): T3. - Thermal Bridging: TB3. - Ext. Leakage Rate: L2. - Panel Thickness: 50 mm (min). - Unit Profile: TB-2 Thermal Break Profile. - Fins: Blue Hydro Dip as per ARI 410. - Fans: AMCA Certified. DESIGN DATA: - Dimensions Approx. (LxWxH) mm: 2200 x 3400 x 2500. - Type: Double Decker Type Draw Through with Rear Intake & Top Discharge. - Fan Orientation: Forward Curved Centrifugal Fan. - Total Air Flow Rate: 18500 CFM. - Total Cooling Capacity: 720,000 Btu/Hr (60 Ton). - External Static Pressure: 2.00 In.Wg. - Chilled Water Flow Rate: 10 L/s. SECTION DETAILS: - Frame Material: GI Sheet 16 Gauge / Aluminum Section.	PSO House	EA	1		



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PAGE

5	OF	8
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Title: Supply and Installation of Air Handling Units at 4th Floor, PSO House.

S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
	- Type of Insulation: Close Cell Insulation 25mm. - Panel Thickness: 50 mm. - Panel Sheet Finish: Baked Powder Coated. - Panel Sheet Thickness: 1.0 mm thick. - Coil Connection: As per Site (Facing from Filter Side). - Coil Tray / Drain Tray: SS 304/ 316L Material (as per Coil size). - Fan Arrangement: As per design. RETURN PLENUM CONSTRUCTION DETAILS: - Outdoor Body: Pre-Plasticized Sheet (As per outer body of the AHU). - Inner Body: Galvanized Iron Sheet (16 Gauge). - Insulation: Injection Molded PU Foam (25mm). FILTER SECTIONS: - Type: G-4 (Mesh). - Air Vol (m3/s): 8.7. - Filter Size with Qty: As per size. COOLING COIL: - Fluid Type: Water. - Material: Copper (22g min). - Fin Material: Aluminum (As per standard). - Tube Size: 5/8 square inches (24g min). - Rows: 4 (min). - No. of Tubes: 30 (min). - No. of Fins/inch: 12 (min). - Header Size: 64 mm (approx.). - Coil Circuit: EUROVENT Standards. - Cooling Capacity: 720,000 Btu/Hr (60 Ton). - Coil Face Velocity: Max 2.5 m/s. - Air Flow Rate: 18500 CFM. - Chilled Water Flow Rate: 10. L/s. - Air-In DB/WB (°C): 27/19.5 - Air-Out DB/WB (°C): 13/12. - Water-IN (°C): 8.					



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PAGE

6	OF	8
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Title: Supply and Installation of Air Handling Units at 4th Floor, PSO House.

S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
	- Water-Out (°C): 13. - Connection Size: DN 80. BLOWER: - Fan Type: Forward Curved Centrifugal. - Fan Size(ft): 2.5*2.5 or as per CFM req. - External Static Pressure: 2.00 In.Wg. - Total Static Pressure: 3.15 In.Wg. - Fan Speed: 1700 (min) RPM. - Efficiency: 80%. - Noise: Low Noise Blower (70-80 dB). - Rubber Vibration Isolator: Provided Under Fan & Motor Assembly. ELECTRIC MOTOR WITH VFD: - Type: TEFC. - Brand: Siemens or equivalent. - Efficiency Class: IE3. - Protection Class: IP-55 or better. - Motor Power: 15-4 KW-Pole. - Motor RPM: 1500 (min). - Electric Supply (V/Ph/Hz): 380/400-3-50 Hz. - VFD: ABB/Schneider/Danfoss/Equivalent. OTHER COMPONENTS DETAIL: - Skid Height: 3-5 Inch. ADDITIONAL PARTS: - Strainer: As Per Unit Standard (Tozen, Econosto or equivalent). - Thermostats: As Per Unit Standard. - Gate Valves: As Per Unit Standard (Tozen, Econosto or equivalent). - Pressure Gauge: As Per Unit Standard (Weiss or equivalent). - Temperature Gauge: As Per Unit Standard (Weiss or equivalent). - Unit Rubber Foundation: As Per Unit Standard. - Insulation & Cladding: As Per Unit Standard. - MS Pipe: As Per Unit Standard (Sch-40).					



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7	OF	8
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Title: Supply and Installation of Air Handling Units at 4th Floor, PSO House.

S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
3 3.01	- Cloth Wrapping of all Duct Inside AHU room. - Duct Flexible Connectors: As Per Unit Standard. - Waterproof Lights: As per Unit Standard. - Wiring from DB to AHU & Ducting: As Per Unit Standards. - Standard Nuts and Bolts for Connecting Sections. WARRANTY: - 12 months from the date of Commissioning. <u>Service of Installation</u> <u>Miscellaneous services</u> Services for Installation of AHUs at 4th Floor. - Complete assembling and Connections of Units. - Wiring from VFD to Unit with proper enclosing in conduiting/flexible. - Chilled Water Connections. - Drain line Connections. - Strainer: As Per Unit Standard (Tozen, Econosto or equivalent). - Brass Gate Valve (Tozen, Econosto or equivalent). - Balancing Valve (Tozen, Econosto or equivalent). - Thermostats: As Per Unit Standard (Weiss or equivalent). - Gate Valves: As Per Unit Standard (Tozen, Econosto or equivalent). - Pressure Gauge: As Per Unit Standard (Weiss or equivalent). - Temperature Gauge: As Per Unit Standard (Weiss or equivalent). - Unit Rubber Foundation: As Per Unit Standard. - Insulation & Cladding: As Per Unit Standard. - MS Pipe: As Per Unit Standard (Sch-40). - Cloth Wrapping of all Duct Inside AHU room. - Duct Flexible Connectors: As Per Unit Standard. - MS Angle Supports - MS Piping with Insulation and Cladding - AHU Lifting, Shifting and Dismantling all accessories as per actual requirement. -) Disassembling of AHU 16 Body without damaging the structure. -) Shifting of AHU 16 4th floor Coil, Blower, Motor and allied	PSO House	JOB	1		



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8	OF	8
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S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
	accessories to Basement. ===== PROJECT COMPLETION TIMELINE: - Delivery and installation shall be completed within 60 days from the date of issuance of the Purchase Order. AWARD CRITERIA: - Bids scoring will be done on basis of 70% weightage to Technical Evaluation Score and 30% weightage to Commercial Score. - Bidder's Final Score = TEC Score + Commercial Score. NOTE: - The vendor must provide the certifications of the product. - The Vendor must provide OEM items along with Letter of Authorization of each item(s). - The Vendor must provide part number of each item(s). - Any ODM manufactured product will not be allowed. - The job includes labor, transportation and all material charges. - The vendor must deliver the goods within the timeframe of the mentioned delivery period. - The above job is subject to entire satisfaction and inspection/acceptance by consignee. AMOUNT OF BID SECURITY: - RS. 100,000/-.					