

QUOTATION

OUR REF: AO/T3861

Date: 13-Aug-2025

Project Name: MOD/2021/018A - Proposed construction of Officer's Mess at BAF - Muscat

Ministry of Defence

Ruwi Oman

Kind Attn:Mr.James

Project : MOD/2021/018A - Proposed construction of Officer's Mess at BAF - Muscat:

Subject :Supply, Startup & Commissioning of chillers ,Supply of Air andling Units, Supply of Fan Coil units

Dear Sir,

We thank you for inviting us to quote for the subject stated above. We are pleased to submit our most competitive techno-commercial bid for the subject project as under-

Description		Model	Quantity	Rate	Amount
Air Cooled Chiller		CRTAG 400X	2	62,013.000	124,026.000
Fan Coil unit		FWC010	35	280.000	9,800.000
Fan Coil unit		FWC012	16	304.000	4,864.000
Fan Coil unit		FWC015	14	396.000	5,544.000
Fan Coil unit		HFXF10LC01100CG02B	11	163.000	1,793.000
Fan Coil unit		HFXF14LH01100CA02B	2	177.000	354.000
Air Handling unit		CLCP005	1	1,809.000	1,809.000
Air Handling unit		CLCP007	1	2,157.000	2,157.000
Air Handling unit		CLCP006	1	1,907.000	1,907.000
Air Handling unit		CLCP006	1	2,121.000	2,121.000
Air Handling unit		CLCP008	1	2,172.000	2,172.000
Air Handling unit		CLCP007	1	2,062.000	2,062.000
Air Handling unit		CLCP007	1	2,158.000	2,158.000
Air Handling unit		CLCP010	1	2,461.000	2,461.000
Air Handling unit		CLCP012	2	2,585.000	5,170.000
Air Handling unit		CLCP014	1	2,915.000	2,915.000
Air Handling unit		CLCP014	1	2,765.000	2,765.000
Gross Total					174,078.000
Discount				0	0.000
VAT				5	8,704.000
One Hundred And Eighty-Two Thousand, Seven Hundred And Eighty-Two Omani Rials			Net Total		OMR182,782.000

Scope of Work :

Supply of Air Cooled Chiller Model- CRTAG (Qty : 2)

- **TRANE** packaged air-cooled liquid chiller Model **CRTAG 440X** (Made in China), having a capacity of **326.9 TR** when operating at **46 Deg C** ambient temperature with entering chilled water temperature 12 °C and leaving chilled water temperature of **5.5 °C**.

Features of proposed Chiller

Supply of Air Cooled Chiller Model- CRTAG (Qty : 0)

- **BMS Integration:** BACnet communication interface card for seamless integration with Building Management Systems. test

Supply of Air Cooled Chiller Model- CRTAG (Qty : 2)

- Compressor Starter: Wye-Delta starter configuration for smooth compressor motor startup.
- Refrigerant Charging: Units will be shipped without refrigerant; R-134a refrigerant to be charged at site.
- **Capacity Control:** Continuous modulating capacity control for precise load matching and energy efficiency.
- Electrical Protection: Integrated under-voltage and over-voltage protection for electrical safety.
- Condenser Coil Protection: Anti-corrosion coating applied locally by TRANE-approved vendor as per ASTM B117 standard. Includes 5-year warranty on the coating.
- Refrigeration Circuits: Single or Two independent refrigeration circuits for enhanced reliability and operational flexibility.
- **Chiller Selection:** Units shall be selected in accordance with the selection sheet provided.
- Evaporator: Shell and tube evaporator insulated with 19 mm thick expanded rubber foam for improved thermal efficiency.
- Condenser Coil: High-efficiency copper-aluminum heat exchanger.
- Safety Components: Includes flow switches, discharge valves, and neoprene isolators for system protection and vibration control.
- Country of Origin: The proposed chiller shall be manufactured in China.
- User Interface: TD7 display with a user-friendly human-machine interface for simplified operation and diagnostics.
- Compressor Configuration: Equipped with 2/3/4 semi-hermetic screw compressors operating at 3000 RPM.
- Power Supply: Designed for 400V / 50Hz / 3-phase power supply.
- **Commissioning:** Complete commissioning and startup support provided.
- Power Connections: Provision for single or dual power point power supply.

Supply of Air Handling unit Model- CLCP (Qty : 12)

- We have proposed **TRANE “Quantum Climate changer” Model: CLCP ME** Double skin air handling units (**Made in KSA**) as per enclosed selections. The panels of these units are manufactured by injection of **PUF insulation** between two metal skins to produce a rigid and totally enclosed casing of **50mm thickness with thermal barrier**. The casing Construction shall be **0.5 mm powder paint GI sheet External & GI Internal**.
- Cooling coil section: Copper tubes and Aluminium fins suitable for Dx system with Refrigerant R410a/R407c.
- H13 Hepa filter section as the given schedule.
- Casing External: 0.5mm Powder Painted Galvanized Steel/ Stainless Steel SS304.
- FAHU shall be supplied with Heat Pipe as per the given schedule.
- Roof canopy: Provided for external/ roof mounted units.
- Drain pan: Stainless Steel SS304.
- Insulation: 50mm thick pressure injected polyurethane foam (PUF) insulation.
- Casing Internal: 0.5mm Galvanized Steel/ Stainless Steel SS304.
- Fan motors: shall be VFD compatible high efficiency IE3 Type [VFD excluded]
- The proposal has given based on attached selection and drawings.
- Eurovent Certified.
- Mixing/Inlet section: With standard motorizable damper [Actuator excluded]
- FAHU Shall be provided with Heat Recovery Wheels as per the given schedule.
- Panels: Double skin, rigid and totally enclosed casing with thermal barrier.
- Cooling coil section: Copper tubes and Aluminium fins suitable for chilled water system with chilled water IN/OUT = 6/12 deg C.
- Filter Section: 2” flat filter of grade G3 + 15” Bag filters of grade F7 as per EN779.
- UV section with UV lamps as per the given schedule.
- Complete fan and motor assembly is mounted on spring isolators.
- Fan section: with Statically & Dynamically balanced Double Inlet Double Width Belt Driven Centrifugal Fan with constant pitch pulley/ plug fans with VFD/ Variable Speed high efficiency EC fans (SISW).
- Thyristor controllable Electric heater section as per the given schedule (Thyristor Excluded)

Supply of Fan Coil unit Model- FWC (Qty : 65)

- Trane chilled water fan coil unit **Model FWC – Cassette & HFXF-Decorative units (Made in PRC)**

The fan coil unit shall be complied with following features:

- Built-in internal drain pump for effective condensate removal
- Lightweight design for easy installation
- Compatible with wired or wireless controllers
- Standard filters
- Elegant appearance to complement interior architecture
- Four-way air discharge with swing blades for optimal air diffusion
- Trane chilled water cassette unit, Made in PRC

Payment Terms

30% advance, Balance payment through LC.

Validity

30 days hereof

Delivery Terms

Within 16 to 18 weeks to our store from the date of confirmed order and receipt of letter of credit.

Warranty

- **Complete unit 1 year** warranty from the date of commissioning or 1 ½ year from the date of delivery, whichever occurs first.
- **test 11 compressor warranty**

Exclusion:

- Valves, pipings, strainers, supports, pressure gauges and thermometers,
- Factory witness test & Factory visit for AHU & FCU
- Spare parts & any Accessories
- fff
- **Balancing valves motorized three way valves for FCU's, Thermostats etc.**
- Balancing valves motorized three way valves for FCU's, Thermostats etc.

We trust you will find the above offer in line with your requirement. In case you shall require any further clarifications, please feel free to contact us. Thanking you and assuring you our best attention at all times.

Yours truly,

Manjunatha Malleshappa

For AIRMECH OMAN L.L.C