

Date: 16 April 2025

Our Ref. No.: MES/QTN/2025-0172

To: M/s. PLANNING TRADING & CONTRACTING W.L.L.

Mobile: +974- 5545 0077 | Tel: +974 4445 9159

Email: [dc@plannng.net](mailto:dc@plannng.net)

**Attention: Mr. Fernando E.A - Project Coordinator**

**Project: SKH MOHAMMED F A M AL-THANI -PALACE (B+1+G+PH) + MAJLIS (G+B) + OUTDOOR SWIMMING POOL+OUT SITTING**

**Subject: Proposal for Supply, Installation, Completion, Testing & Commissioning of the HVAC Package**

Dear Sir,

With reference to the above-mentioned project, please find our proposal for HVAC Works for **PALACE (B+1+G+PH) + MAJLIS (G+B) + OUTDOOR SWIMMING POOL+OUT SITTING** at **AL RAYYAN** as per terms and considerations attached herein.

We hope you will find our offer for the work as competitive and in line with your requirement. Should you require any further clarification, please do not hesitate to contact us.

Thanking you in advance and we look forward to receive your valued order.

**Metri Engineering Services W.L.L**

Engr. Fayed 55572793



## 1. Offer Details

OFFER: HVAC Works - QAR 2,097,375

**(Two million, ninety-seven thousand, three hundred seventy-five Qatar Riyals only.)**

## 2. Technical Offer

2.1 Offer is based on the BOQ/schedule of prices provided in the email dated to us on 07 April 2025. The offered price is applicable if all quoted items are awarded to MES. In case of partial scope award, the rates are subject to vary.

2.2 MES shall not be liable for any delays resulting from additional changes like additional quantities & variations.

2.3 Our prices are based on the attached BOQ; quantity to be remeasured as per site requirements.

2.4 Brand for VRF Acs & DX: MITSUBISHI ELECTRIC

2.5 Brand for FAHU: CARRIER OR DAIKIN

2.6 Brand for EX. FANS: ELTA UK

## 3. Project Durations

3.1 We have considered a maximum of 12 Months duration for our scope detailed by this offer. Main contractor must provide the required continuous work fronts and fulfill his obligations towards HVAC subcontractor in a way not to delay works. In case of any delay caused by short fulfillment of main contractor then this delay shall be suitably compensated to HVAC contractor.

## 4. Exclusions

- Any VAT charges imposed by authorities on later stage.
- Any Utility/Authorities fees
- Any inspection, approval, fees and utilities
- Any Crane for loading/offloading at site
- Temporary Power Supply at site
- Lay-down area and storage cabins for supplied materials
- Temporary facilities for workmen including furniture, power, water, internet...etc.
- All civil works, electrical works, trenches, foundations.

- All MV, LV, Kahramaa works, Power/control cables, cable trays, MCC, UPS, BMS integration, isolators.
- All Spare parts & Anything not explicitly mentioned.

### **5. Payment Terms**

- 45% Advance upon signing the contract
- 15% upon supply of AC units
- 15% upon supply of duct materials
- 20% Progress invoice
- 5% upon testing & commissioning

### **6. STANDARD WARRANTY COVERAGE:**

1. The standard warranty terms are 400 days for the whole HVAC works. Compressors only will have 5 years warranty from the date of Testing & Commissioning.
2. Consumables – refrigerant, oil, filters, capacitors, fuses, contactors are excluded from warranty.
3. Warranty will not be valid for operational wear & tear of units, and it shall be null and void under circumstances of accidents, mishaps, hazards, intentional damages, failure to adhere to recommended operation and maintenance standards. Parts only warranty provided.
4. Referring to VRV system installation, Earth Leakage Circuit Breakers or Residual Current Circuit Breakers (ELCBs/RCCBs) are necessary to be installed on the field power supply circuit of VRV system and consider the warranty void if none of above ECBs/RCCBs installed.
5. Warranty covers parts only (Labor excluded)

### **7. CANCELLATION TERMS:**

25% of the material value will become payable in the event of cancellation, prior to the start of manufacturing. After manufacturing/fabrication has started 50% of the material value will become payable in the event cancellation.

### **8. Force Majeure:**

Neither party will be liable for loss, damage, detention or delay resulting from causes beyond its reasonable control or caused by fire, act of god, strike, civil or military authority, priorities established by the Government in the country of source of equipment/product or any department or branch or representative thereof, insurrection, riot, embargo, transportation shortage or delays, wrecks, or inability to obtain necessary labor, materials or manufacturing facilities from usual sources including sources within MES itself.



### 9. Validity

- This offer is valid for Thirty (15) Days from the date of this offer and subject to written confirmation thereafter
- This offer is valid for HVAC scope described in this submission without portioning

### 10. Attachment

7.1 Priced HVAC BOQ

Item	Description	Qty	Unit	Rate QR	Amount QR
	<p><b>AIR-CONDITIONING INSTALLATION</b></p> <p><b>Important Notes</b></p> <ul style="list-style-type: none"> <li>* The Contractor shall provide all the materials, labour, cartage, plant and appliances necessary for the supply, installation, testing and commissioning of the works and all other minor and incidental works necessary for the system.</li> <li>* The Specifications and Design Drawings are intended to indicate the nature and scope of the Project. Contractor shall be responsible for the preparation of detailed coordinated working drawings and for installation of plant of the correct capacity, as per approved drawings and in line with the best prevailing engineering practices.</li> <li>* Contractor shall guarantee for the efficient performance of various equipment which shall not be less than the specified ratings when working under the operating conditions for respective items as given in the drawings.</li> <li>* All works are to be carried out to Q.C.S. and relevant internationally accepted codes of practice as well as current QGEWC regulations.</li> <li>* Contractor to provide return air openings of suitable size at all appropriate locations.</li> <li>* The Contractor is advised to read carefully the notes on pricing for Air-conditioning installation when pricing the works in this section.</li> </ul>		Note		



QR

Item	Description	Qty	Unit	Rate QR	Amount QR
	<b><u>AIR-CONDITIONING</u></b> <b><u>INSTALLATION (CONT'D)</u></b>				
	<u>Ductwork</u>				
	<u>Supply and installation of galvanized sheet metal rectangular ductwork and fittings to standards fixed complete to R.C. slab soffits including test holes, access panels, hanging system, supports and turning vanes/ splitters for bends and branches, bends, branch connections and transformation pieces, plenum box, bell mouths with wire mesh etc. as per drawings &amp; specifications.</u>				
	<u>Horizontal ductwork</u>				
A	Supply air duct	630	m2	120	75600 0
B	Return air duct	21	m2	120	2520 0
C	Exhaust air duct	199	m2	130	25870 0
D	Fresh air duct	233	m2	120	27960 0
E	Kitchen exhaust air duct	30	m2	235	7050 0
	<u>Vertical ductwork</u>				
F	Exhaust air duct	74	m2	130	9620 0
G	Fresh air duct	77	m2	130	10010 0
H	Kitchen exhaust air duct	38	m2	235	8930



Item	Description	Qty	Unit	Rate QR	Amount QR
	<b>AIR-CONDITIONING INSTALLATION (CONT'D)</b>				
	<u>Flexible ductwork</u>				
	Flexible duct work complete with all other and necessary works as per drawings and specification.				
A	150 diameter	34	No	145	4930 0
B	200 diameter	103	No	155	15965 0
C	250 diameter	183	No	175	32025 0
	<u>Ductwork insulation</u>				
	Supply and installation of elastomeric duct liner & insulation with aluminum foil vapor barrier including flame resistant quick tacking adhesive coated on duct surface area with all items and necessary works as per drawings & specifications.				
	<u>Horizontal ductwork</u>				
D	Supply air duct	630	m2	95	59850 0
E	Return air duct	21	m2	95	1995 0
F	Exhaust air duct	199	m2	85	16915 0
G	Fresh air duct	233	m2	85	19805 0
H	Kitchen exhaust air duct	30	m2	95	2850 0
	<u>Vertical ductwork</u>				
J	Exhaust air duct	74	m2	85	6290 0
K	Fresh air duct	77	m2	85	6545 0
L	Kitchen exhaust air duct		m2	95	3610
				QR	170,780.00





Item	Description	Qty	Unit	Rate QR	Amount QR
	<b>AIR-CONDITIONING INSTALLATION (CONT'D)</b>				
	<u>Ancillaries (cont'd)</u>				
	<u>Door grill</u>				
	<u>Door grille from an approved manufacturer fixed to ductwork including all integrals and fixtures as per drawings &amp; specifications. ref. D.G</u>				
A	Approved size door grille	1	No	300	300
	<u>Wall openings</u>				
	<u>Wall opening from an approved manufacturer fixed to ductwork including all integrals and fixtures as per drawings &amp; specifications. ref. W.O</u>				
B	200x150mm sized	1	No		
C	450x300mm sized	1	No		
D	450x350mm sized	2	No		
E	500x300mm sized	4	No		
	<u>Supply linear slot diffuser</u>				
	<u>Supply linear slot diffuser from an approved manufacturer fixed to ductwork including all integrals and fixtures as per drawings &amp; specifications. ref. SLS</u>				
F	2000mm-2s-25mm	106	No	400	42400
G	1500mm-2s-25mm	68	No	300	20400
H	1000mm-2s-25mm	8	No	200	1600
	<b>TO COLLECTION</b>			QR	64,700.00



Item	Description	Qty	Unit	Rate QR	Amount QR
	<b><u>AIR-CONDITIONING</u></b> <b><u>INSTALLATION (CONT'D)</u></b>				
	<u>Ancillaries (cont'd)</u>				
	<u>Return linear slot diffuser</u>				
	<u>Return linear slot diffuser from an approved manufacturer fixed to ductwork including all integrals and fixtures as per drawings &amp; specifications. ref. RLSD</u>				
A	2000mm-2s-25mm	108	No	400	43200 0
B	1500mm-2s-25mm	68	No	300	20400 0
C	1000mm-2s-25mm	6	No	200	1200 0
	<u>Exhaust linear slot diffuser from an approved manufacturer fixed to ductwork including all integrals and fixtures as per drawings &amp; specifications. ref. EX.L.F.B</u>				0 0 0 0 0
D	500mm-1s-25mm	34	No	100	3400
	<u>Return air diffuser</u>				
	<u>Return air diffuser from an approved manufacturer fixed to ductwork including all integrals and fixtures as per drawings &amp; specifications. ref. R.A.D</u>				
E	500x350mm sized	1	No	200	200 0
F	550x300mm sized	2	No	180	360 0
G	600x300mm sized	2	No	200	400
	TO COLLECTION			QR	69,160.00



Tel: 44459207 Fax: 44780499  
CR#32209

Item	Description	Qty	Unit	Rate QR	Amount QR
	<b><u>AIR-CONDITIONING</u></b> <b><u>INSTALLATION (CONT'D)</u></b>				
	<u>Ancillaries (cont'd)</u>				
	<u>Exhaust air louver</u>				
	<u>Exhaust air louver from an approved manufacturer fixed to ductwork including all integrals and fixtures as per drawings &amp; specifications. ref. EX.A.L</u>				
A	100x100mm sized	1	No	150	150 0
B	500x250mm sized	1	No	200	200 0
C	650x200mm sized	1	No	225	225 0
	<u>Fresh air louver</u>				
	<u>Fresh air louver from an approved manufacturer fixed to ductwork including all integrals and fixtures as per drawings &amp; specifications.</u>				
D	100x100mm sized	5	No	100	500 0
E	150x100mm sized	5	No	100	500 0
F	150x100mm sized	11	No	100	1100 0
G	200x150mm sized	8	No	150	1200 0
H	200x150mm sized	3	No	150	450 0
J	300x200mm sized	1	No	180	180 0
K	400x250mm sized	1	No	200	200







Item	Description	Qty	Unit	Rate QR	Amount QR
	<b>AIR-CONDITIONING INSTALLATION (CONT'D)</b>				
	<u>Ancillaries (cont'd)</u>				
	<u>Volume control damper (cont'd)</u>				
	<u>Volume dampers supply and fixed to suit the duct size including all integrals and fixtures as per drawings &amp; specifications, ref. V.D (cont'd)</u>				
A	300 x 200mm sized	1	No	150	150
B	300 x 250mm sized	1	No	150	150
C	300 x 300mm sized	7	No	150	1050
D	350 x 200mm sized	1	No	150	150
E	500 x 250mm sized	1	No	175	175
F	600 x 450mm sized	1	No	200	200
	<u>Fire damper</u>				
G	Supply and installation of fire damper to suit the duct size dampers where necessary, including all items and necessary works as per drawings & specification		Item	LS	50,000
	<u>Condensate drainage</u>				
H	Condensate drainage pipes and fittings to specifications including jointed and fixed with brackets, supports, hangers, paint & insulation etc. as per drawings & specifications.		Item	LS	7500
	<b>NOTE: MAIN DRAIN PIPING BY CIVIL OR PLUMBING CONTRACTOR. ONLY FINAL TERMINATION BY MES.</b>				
	TO COLLECTION			QR	59,375.00



Item	Description	Qty	Unit	Rate QR	Amount QR
	<b>AIR-CONDITIONING</b> <b>INSTALLATION (CONT'D)</b>  <u>Plant and equipment</u>  <u>Fresh air handling unit (outdoor unit measured separately) from an approved manufacturer including anti-vibration mountings/ springs and all integral accessories and fittings for connections to duct and refrigerant pipe work as per detail drawing including all necessary fittings and accessories such as flexible connections, pressure gauge, all type of valves etc., to complete, control system with control panel, final power supply connection and insulation complete as specified in drawings and specifications.</u>				
A	Ref; FAHU-01, (total coil load 98.8 MBH/ 1.5KW, 415/3/50 V/Ph/Hz)	1	No	77000	77000
B	Ref; FAHU-02, (total coil load 309.4 MBH/ 3.0KW, 415/3/50 V/Ph/Hz)	1	No	200000	200000
	<u>Outdoor unit from an approved manufacturer fixed complete with including, refrigerant pipe, brackets, hangers or other fixing method, anti-vibration packing, interconnecting cabling and conduit and final power supply connection as specified drawings and specifications</u>				
C	Ref; VRF-CU-04, (load- 29.0KW, 400/3/50 V/Ph/Hz)	1	No	29000	29000
D	Ref; VRF-CU-05, (load- 164.2KW, 400/3/50 V/Ph/Hz)	1	No	164000	164000
					470,000.00



Item	Description	Qty	Unit	Rate QR	Amount QR
	<b>AIR-CONDITIONING INSTALLATION (CONT'D)</b>				
	<u>Plant and equipment (Cont'd)</u>				
	<u>Split Unit</u>				
	<u>Split unit from an approved manufacturer</u> <u>fixed complete with indoor and outdoor unit</u> <u>including, refrigerant pipe, insulations brackets,</u> <u>hangers or other fixing method, anti-vibration</u> <u>packing, interconnecting cabling and conduit and</u> <u>final power supply connection as specified</u> <u>drawings and specifications.</u>				
A	Ref. FCU-BS-15, (total cooling load 29.1 MBTU, 240/1/50 V/PH/Hz)	1	No	5350	5350
B	Ref. FCU-BS-16, (total cooling load 5.2 MBTU, 240/1/50 V/PH/Hz)	1	No	4223	4223
C	Ref. FCU-BS-17, (total cooling load 5.2 MBTU, 240/1/50 V/PH/Hz)	1	No	4223	4223
D	Ref. FCU-BS-18, (total cooling load 5.2 MBTU, 240/1/50 V/PH/Hz)	1	No	4223	4223
E	Ref. High wall 1, (total cooling load 10.7 MBTU, 240/1/50 V/PH/Hz)	1	No	4410	4410
F	VRF OUTDOOR UNITS AS PER SCHEDULE OF EQUIPMENT				0
	P800	2	No	91695	183390
	P950	3	No	105750	317250
	P1100	1	No	126007	126007
					649,076.00



Item	Description	Qty	Unit	Rate QR	Amount QR
	<b>AIR-CONDITIONING INSTALLATION (CONT'D)</b>  <u>Plant and equipment (Cont'd)</u>  <u>Fan Coil Unit</u>  <u>Supplying, installing, connecting, testing and commissioning of Fan coil units including pipe connections, strainers, thermostats, sensors, insulation as required, duct connections, controllers, electrical requirements, fixing and fitting complete; all in accordance with the equipment schedules drawings and specifications</u>				
A	Ref. FCU-BS-01, (total cooling load 18.15 MBTU, 240/1/50 V/PH/Hz)	2	No	4598	9196 0
B	Ref. FCU-BS-02, (total cooling load 16.1 MBTU, 240/1/50 V/PH/Hz)	1	No	4598	4598 0
C	Ref. FCU-BS-03, (total cooling load 14.8 MBTU, 240/1/50 V/PH/Hz)	1	No	4500	4500 0
D	Ref. FCU-BS-04, (total cooling load 9.5 MBTU, 240/1/50 V/PH/Hz)	1	No	4410	4410 0
E	Ref. FCU-BS-05, (total cooling load 15.1 MBTU, 240/1/50 V/PH/Hz)	1	No	4875	4875 0
F	Ref. FCU-BS-06, (total cooling load 20.3 MBTU, 240/1/50 V/PH/Hz)	1	No	4875	4875 0
G	Ref. FCU-BS-07, (total cooling load 12.5 MBTU, 240/1/50 V/PH/Hz)	1	No	4410	4410 0
H	Ref. FCU-BS-08, (total cooling load 12.1 MBTU, 240/1/50 V/PH/Hz)	2	No	4410	8820 0
				QR	45,684.00



Item	Description	Qty	Unit	Rate QR	Amount QR
	<b>AIR-CONDITIONING INSTALLATION (CONT'D)</b>  <u>Plant and equipment (Cont'd)</u>  <u>Fan Coil Unit (Cont'd)</u>  <u>Supplying, installing, connecting, testing and commissioning of Fan coil units including pipe connections, strainers, thermostats, sensors, insulation as required, duct connections, controllers, electrical requirements, fixing and fitting complete; all in accordance with the equipment schedules drawings and specifications (Cont'd)</u>				
A	Ref. FCU-BS-09, (total cooling load 37.3 MBTU, 240/1/50 V/PH/Hz)	1	No	6000	6000 0
B	Ref. FCU-BS-10, (total cooling load 14.75 MBTU, 240/1/50 V/PH/Hz)	2	No	4500	9000 0
C	Ref. FCU-BS-11, (total cooling load 24.8 MBTU, 240/1/50 V/PH/Hz)	1	No	5160	5160 0
D	Ref. FCU-BS-12, (total cooling load 8.2 MBTU, 240/1/50 V/PH/Hz)	2	No	4313	8626 0
E	Ref. FCU-BS-13, (total cooling load 21.8 MBTU, 240/1/50 V/PH/Hz)	1	No	4875	4875 0
F	Ref. FCU-BS-19, (total cooling load 28.1 MBTU, 240/1/50 V/PH/Hz)	6	No	5348	32088 0
G	Ref. FCU-GR-01, (total cooling load 35.7 MBTU, 240/1/50 V/PH/Hz)	2	No	6000	12000 0
H	Ref. FCU-GR-02, (total cooling load 48.4 MBTU, 240/1/50 V/PH/Hz)	1	No	6375	6375 0
				QR	84,124.00



Item	Description	Qty	Unit	Rate QR	Amount QR
	<b>AIR-CONDITIONING INSTALLATION (CONT'D)</b>  <u>Plant and equipment (Cont'd)</u>  <u>Fan Coil Unit (Cont'd)</u>  <u>Supplying, installing, connecting, testing and commissioning of Fan coil units including pipe connections, strainers, thermostats, sensors, insulation as required, duct connections, controllers, electrical requirements, fixing and fitting complete; all in accordance with the equipment schedules drawings and specifications (Cont'd)</u>				
A	Ref. FCU-GR-03, (total cooling load 11.6 MBTU, 240/1/50 V/PH/Hz)	1	No	4410	4410 0
B	Ref. FCU-GR-04, (total cooling load 23.8 MBTU, 240/1/50 V/PH/Hz)	1	No	4875	4875 0
C	Ref. FCU-GR-05, (total cooling load 9.0 MBTU, 240/1/50 V/PH/Hz)	1	No	4313	4313 0
D	Ref. FCU-GR-06, (total cooling load 13.2 MBTU, 240/1/50 V/PH/Hz)	1	No	4500	4500 0
E	Ref. FCU-GR-07, (total cooling load 31.4 MBTU, 240/1/50 V/PH/Hz)	1	No	4348	4348 0
F	Ref. FCU-GR-08, (total cooling load 24.5 MBTU, 240/1/50 V/PH/Hz)	1	No	4875	4875 0
G	Ref. FCU-GR-09, (total cooling load 32.7 MBTU, 240/1/50 V/PH/Hz)	2	No	6000	12000 0
H	Ref. FCU-GR-10, (total cooling load 24.7 MBTU, 240/1/50 V/PH/Hz)	1	No	4875	4875 0
				QR	44,196.00



Item	Description	Qty	Unit	Rate QR	Amount QR
	<b>AIR-CONDITIONING INSTALLATION (CONT'D)</b>  <u>Plant and equipment (Cont'd)</u>  <u>Fan Coil Unit (Cont'd)</u>  <u>Supplying, installing, connecting, testing and commissioning of Fan coil units including pipe connections, strainers, thermostats, sensors, insulation as required, duct connections, controllers, electrical requirements, fixing and fitting complete; all in accordance with the equipment schedules drawings and specifications (Cont'd)</u>				
A	Ref. FCU-GR-11, (total cooling load 36.8 MBTU, 240/1/50 V/PH/Hz)	1	No	6000	6000
B	Ref. FCU-GR-12, (total cooling load 15.7 MBTU, 240/1/50 V/PH/Hz)	1	No	4598	4598
C	Ref. FCU-GR-13, (total cooling load 28.6 MBTU, 240/1/50 V/PH/Hz)	1	No	5348	5348
D	Ref. FCU-GR-14, (total cooling load 9.3 MBTU, 240/1/50 V/PH/Hz)	1	No	4313	4313
E	Ref. FCU-GR-15, (total cooling load 28.7 MBTU, 240/1/50 V/PH/Hz)	1	No	5348	5348
F	Ref. FCU-GR-16, (total cooling load 31.1 MBTU, 240/1/50 V/PH/Hz)	1	No	4313	4313
G	Ref. FCU-GR-17, (total cooling load 14.1 MBTU, 240/1/50 V/PH/Hz)	1	No	4500	4500
H	Ref. FCU-GR-18, (total cooling load 8.0 MBTU, 240/1/50 V/PH/Hz)	1	No	4313	4313
				QR	38,733.00



Item	Description	Qty	Unit	Rate QR	Amount QR
	<b>AIR-CONDITIONING INSTALLATION (CONT'D)</b>  <u>Plant and equipment (Cont'd)</u>  <u>Fan Coil Unit (Cont'd)</u>  <u>Supplying, installing, connecting, testing and commissioning of Fan coil units including pipe connections, strainers, thermostats, sensors, insulation as required, duct connections, controllers, electrical requirements, fixing and fitting complete; all in accordance with the equipment schedules drawings and specifications (Cont'd)</u>				
A	Ref. FCU-1ST-01, (total cooling load 39.0 MBTU, 240/1/50 V/PH/Hz)	1	No	6000	6000 0
B	Ref. FCU-1ST-02, (total cooling load 38.1 MBTU, 240/1/50 V/PH/Hz)	1	No	6000	6000 0
C	Ref. FCU-1ST-03, (total cooling load 35.0 MBTU, 240/1/50 V/PH/Hz)	1	No	6000	6000 0
D	Ref. FCU-1ST-04, (total cooling load 34.4 MBTU, 240/1/50 V/PH/Hz)	1	No	6000	6000 0
E	Ref. FCU-1ST-05, (total cooling load 40.4 MBTU, 240/1/50 V/PH/Hz)	1	No	6000	6000 0
F	Ref. FCU-1ST-06, (total cooling load 25.75 MBTU, 240/1/50 V/PH/Hz)	2	No	5160	10320 0
G	Ref. FCU-1ST-07, (total cooling load 24.7 MBTU, 240/1/50 V/PH/Hz)	2	No	5160	10320 0
H	Ref. FCU-1ST-08, (total cooling load 13.8 MBTU, 240/1/50 V/PH/Hz)	1	No	4500	4500 0
				QR	55,140.00



Item	Description	Qty	Unit	Rate QR	Amount QR
	<b>AIR-CONDITIONING INSTALLATION (CONT'D)</b>  <u>Plant and equipment (Cont'd)</u>  <u>Fan Coil Unit (Cont'd)</u>  <u>Supplying, installing, connecting, testing and commissioning of Fan coil units including pipe connections, strainers, thermostats, sensors, insulation as required, duct connections, controllers, electrical requirements, fixing and fitting complete; all in accordance with the equipment schedules drawings and specifications (Cont'd)</u>				
A	Ref. FCU-PH-01, (total cooling load 19.2 MBTU, 240/1/50 V/PH/Hz)	1	No	4598	4598 0
B	Ref. FCU-PH-02, (total cooling load 22.9 MBTU, 240/1/50 V/PH/Hz)	2	No	4875	9750 0
C	Ref. FCU-PH-03, (total cooling load 12.9 MBTU, 240/1/50 V/PH/Hz)	1	No	4500	4500 0
D	Ref. FCU-PH-04, (total cooling load 37.8 MBTU, 240/1/50 V/PH/Hz)	1	No	6000	6000 0
E	Ref. FCU-PH-05, (total cooling load 14.8 MBTU, 240/1/50 V/PH/Hz)	1	No	4500	4500 0
F	Ref. FCU-PH-06, (total cooling load 41.8 MBTU, 240/1/50 V/PH/Hz)	2	No	6375	12750
					42,098.00



Item	Description	Qty	Unit	Rate QR	Amount QR
	<b>AIR-CONDITIONING</b> <b>INSTALLATION (CONT'D)</b> <u>Plant and equipment (Cont'd)</u> <u>Axial in-line fan type fan from an approved manufacturer fixed complete with anti vibration mountings, back draft dampers including control system, variable frequency drive, panels and final power supply connection and complete as per drawings &amp; specifications.</u>				
A	Ref. EX.A.F-01, (air quantity - 50 CFM, 240/1/50 V/PH/Hz)	2	No	3275	6550 0
B	Ref. EX.A.F-02, (air quantity - 50 CFM, 240/1/50 V/PH/Hz)	2	No	10968	21936 0
C	Ref. EX.A.F-03, (air quantity - 85 CFM, 240/1/50 V/PH/Hz)	1	No	3275	3275 0
D	Ref. EX.A.F-05, (air quantity - 125 CFM, 240/1/50 V/PH/Hz)	1	No	10968	10968 0
E	Ref. EX.A.F-06, (air quantity - 240 CFM, 240/1/50 V/PH/Hz)	1	No	3195	3195 0
F	Ref. EX.A.F-07, (air quantity - 250 CFM, 240/1/50 V/PH/Hz)	1	No	3872	3872 0
G	Ref. EX.A.F-08, (air quantity - 370 CFM, 240/1/50 V/PH/Hz)	1	No	4194	4194 0
H	Ref. EX.A.F-09, (air quantity - 460 CFM, 240/1/50 V/PH/Hz)	1	No	4194	4194 0
J	Ref. EX.A.F-10, (air quantity - 500 CFM, 240/1/50 V/PH/Hz)	1	No	4194	4194 0
				QR	62,378.00



Item	Description	Qty	Unit	Rate QR	Amount QR
	<b>AIR-CONDITIONING</b> <b>INSTALLATION (CONT'D)</b>  <u>Plant and equipment (Cont'd)</u>  <u>Axial in-line fan type fan from an approved manufacturer fixed complete with anti vibration mountings, back draft dampers including control system, variable frequency drive, panels and final power supply connection and complete as per drawings &amp; specifications. (Cont'd)</u>				
A	Ref. EX.A.F-11, (air quantity - 645 CFM, 240/1/50 V/PH/Hz)	1	No	5178	5178
B	Ref. EX.A.F-12, (air quantity - 400 CFM, 240/1/50 V/PH/Hz)	1	No	674	674
C	Ref. EX.A.F-13, (air quantity - 100 CFM, 240/1/50 V/PH/Hz)	1	No	512	512
D	Ref. EX.A.F-14, (air quantity - 450 CFM, 240/1/50 V/PH/Hz)	1	No	2340	2340
E	Ref. K.EX.A.F-14, (air quantity - 1000 CFM, 240/1/50 V/PH/Hz)	1	No	3921	3921
F	K.EX. AF-01	1	NO	11711	11711
					24,336.00





Item	Description	Qty	Unit	Rate QR	Amount QR
	<p><b>AIR-CONDITIONING INSTALLATION (CONT'D)</b></p> <p><u>Other Items</u></p> <p>The Contractor shall describe and price below the items necessary for the full and proper completion of the work as described in the specification or shown on the drawings and for which either expressed or implied provision is required and which are not covered by either the items or the rates in the Bills of Quantities of contract or by any other matter what so ever. Anything not so separately described shall be deemed to be covered in the items and rates inserted in the Bills of Quantities.</p> <p>( i )</p> <p>(ii)</p> <p>(iii)</p> <p>( iv )</p> <p>( v )</p> <p>( vi )</p> <p>(vii)</p>				



QR

Item	Description	Qty	Unit	Rate QR	Amount QR
	<b>AIR-CONDITIONING INSTALLATION (CONT'D)</b>				
	<b><u>COLLECTION</u></b>				
	Page 8/1				-
	Page 8/2				167,560.00
	Page 8/3				170,780.00
	Page 8/4				4,950.00
	Page 8/5				64,700.00
	Page 8/6				69,160.00
	Page 8/7				4,705.00
	Page 8/8				3,060.00
	Page 8/9				4,320.00
	Page 8/10				59,375.00
	Page 8/11				470,000.00
	Page 8/12				649,076.00
	Page 8/13				45,684.00
	Page 8/14				84,124.00
	Page 8/15				44,196.00
	Page 8/16				38,733.00
	Page 8/17				55,140.00
	Page 8/18				42,098.00
	TO COLLECTION			QR	1,977,661.00



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CR#32209

Item	Description	Qty	Unit	Rate QR	Amount QR
	<b>AIR-CONDITIONING INSTALLATION (CONT'D)</b>				
	<b><u>COLLECTION (CONT'D)</u></b>				
	Carried Forward				1,977,661.00
	Page 8/19				62,378.00
	Page 8/20				24,336.00
	Page 8/21				33,000.00
	Page 8/22				-
	TOTAL AMOUNT TO SUMMAR			QR	2,097,375.00



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CR#32209