

Date: 15 April 2025

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

To: M/s.

Attention: Mr. Najib - Business Dev. Manager

Project: NASSER KHALIFA AL SUWAIDI COMPLEX

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

Dear Sir,

With reference to the above-mentioned project, please find our proposal for HVAC Works for **NASSER KHALIFA AL SUWAIDI COMPLEX** 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 6,808,860

(Six Million Eight Hundred Eight Thousand Eight Hundred Sixty Qatar Riyals.)

2. Technical Offer

2.1 Offer is based on the BOQ/schedule of prices provided in the email dated to us on 08 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: CARRIER or Daikin

2.5 Brand for FANS: ELTA

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

Proj:	NASSER KHALIFA AL SUWAIDI COMPLEX	Date:	Mar-24	Proj. Type:	Commercial
Job:	3537	Sheet:	BL 03	Activity Type:	Tender
Scp:	Bill of Quantities	Rev:	#REF!	Location:	Doha
Div:	15 : MECHANICAL	Phase:			
	BILL-03				

Item	Description	Quantity	Unit	Rate (QR)	Amount (QR)
	MECHANICAL-HVAC				
	Section 15850 - Air Handling				
	Supply and install HVAC installation including fixing accessories and fittings, complete as specified and shown on drawings				
	VRF System				
	Supply,install,test and warranty with all needed spare parts and installation the following VRF system for high ambient temperature(operating at 50°C DB), complete with indoor units, outdoor units,fixing and antivibration pads, electrical power supply and cables, manufacturer control system and all necessary accessories and all controls for the good operation of the system) all as specified and shown on the drawings.				
	VRF Indoor Units				
	VRF-OU-3F-1BR- 01	5	No	21,537.00	107,685.00
	VRF-IU-3F-1BR- 01	5	No	4,419.00	22,095.00
	VRF-IU-3F-1BR- 02	5	No	2,655.00	13,275.00
	VRF-IU-3F-1BR- 03	5	No	3,870.00	19,350.00
	VRF-OU-3F-2BR- 01	2	No	21,697.50	43,395.00
	VRF-IU-3F-2BR- 01	2	No	4,419.00	8,838.00
	VRF-IU-3F-2BR- 02	2	No	3,870.00	7,740.00
	VRF-IU-3F-2BR- 03	2	No	3,870.00	7,740.00
	CARRIED TO COLLECTION				230,118.00



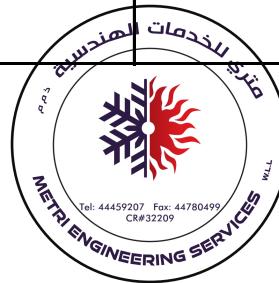
Proj:	NASSER KHALIFA AL SUWAIDI COMPLEX	Date:	Mar-24	Proj. Type:	Commercial
Job:	3537	Sheet:	BL 03	Activity Type:	Tender
Scp:	Bill of Quantities	Rev:	#REF!	Location:	Doha
Div:	15 : MECHANICAL	Phase:			
	BILL-03				

Item	Description	Quantity	Unit	Rate (QR)	Amount (QR)
	<u>MECHANICAL CONT'D</u>				
	VRF-OU-3F- 2BRA-01	1	No	21,697.50	21,697.50
	VRF-IU-3F- 2BRA-01	1	No	4,419.00	4,419.00
	VRF-IU-3F- 2BRA-02	1	No	2,655.00	2,655.00
	VRF-IU-3F- 2BRA-03	1	No	3,870.00	3,870.00
	VRF-IU-3F- 2BRA-04	1	No	3,735.00	3,735.00
	VRF-IU-3F- 2BRA-05	1	No	2,655.00	2,655.00
					0.00
	VRF-OU-3F-3BR- 01	4	No	29,136.00	116,544.00
	VRF-IU-3F-3BR- 01	4	No	4,545.00	18,180.00
	VRF-IU-3F-3BR- 02	4	No	2,655.00	10,620.00
	VRF-IU-3F-3BR- 03	4	No	4,014.00	16,056.00
	VRF-IU-3F-3BR- 04	4	No	3,735.00	14,940.00
	VRF-IU-3F-3BR- 05	4	No	3,735.00	14,940.00
	VRF-IU-3F-3BR- 06	4	No	2,655.00	10,620.00
					0.00
	VRF-OU-2F-1BR- 01	5	No	21,537.00	107,685.00
	VRF-IU-2F-1BR- 01	5	No	4,419.00	22,095.00
	VRF-IU-2F-1BR- 02	5	No	2,655.00	13,275.00
	VRF-IU-2F-1BR- 03	5	No	3,870.00	19,350.00
	VRF-OU-2F-2BR- 01	2	No	21,697.50	43,395.00
	VRF-IU-2F-2BR- 01	2	No	4,419.00	8,838.00
	VRF-IU-2F-2BR- 02	2	No	3,870.00	7,740.00
	VRF-IU-2F-2BR- 03	2	No	3,870.00	7,740.00
	VRF-OU-2F- 2BRA-01	2	No	21,697.50	43,395.00
	VRF-IU-2F- 2BRA-01	2	No	4,419.00	8,838.00
	VRF-IU-2F- 2BRA-02	2	No	2,655.00	5,310.00
	VRF-IU-2F- 2BRA-03	2	No	3,870.00	7,740.00
	VRF-IU-2F- 2BRA-04	2	No	3,735.00	7,470.00
	VRF-IU-2F- 2BRA-05	2	No	2,655.00	5,310.00
	VRF-OU-2F-3BR- 01	5	No	29,136.00	145,680.00
	VRF-IU-2F-3BR- 01	5	No	4,545.00	22,725.00
	VRF-IU-2F-3BR- 02	5	No	2,655.00	13,275.00
	VRF-IU-2F-3BR- 03	5	No	4,014.00	20,070.00
	VRF-IU-2F-3BR- 04	5	No	3,735.00	18,675.00
	VRF-IU-2F-3BR- 05	5	No	3,735.00	18,675.00
	VRF-IU-2F-3BR- 06	5	No	2,655.00	13,275.00
	VRF-OU-1F-OFF- 01	1	No	21,537.00	21,537.00
	VRF-IU-1F-OFF- 01	2	No	4,419.00	8,838.00
	CARRIED TO COLLECTION				831,862.50



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Div:	15 : MECHANICAL	Phase:			
	BILL-03				

Item	Description	Quantity	Unit	Rate (QR)	Amount (QR)
	MECHANICAL CONT'D				
	VRF PLANT 10 EQUIPMENT SCHEDULES				0.00
	VRF-OU-1F-OFF- 02	1	No	21,537.00	21,537.00
	VRF-IU-1F-OFF- 02	2	No	4,419.00	8,838.00
	VRF PLANT 11 EQUIPMENT SCHEDULES		No		0.00
	VRF-OU-GF-SHP- 01	1	No	21,537.00	21,537.00
	VRF-IU-GF-SHP- 01	2	No	4,419.00	8,838.00
	VRF PLANT 12 EQUIPMENT SCHEDULES		No		0.00
	VRF-OU-GF-SHP- 04	1	No	21,537.00	21,537.00
	VRF-IU-GF-SHP- 04	2	No	4,419.00	8,838.00
	VRF PLANT 13 EQUIPMENT SCHEDULES		No		0.00
	VRF-OU-GF-SHP- 14	1	No	21,537.00	21,537.00
	VRF-IU-GF-SHP- 14	2	No	4,419.00	8,838.00
	VRF PLANT 14 EQUIPMENT SCHEDULES		No		0.00
	VRF-OU-GF-SHP- 15	1	No	21,537.00	21,537.00
	VRF-IU-GF-SHP- 15	2	No	4,419.00	8,838.00
	VRF PLANT 15 EQUIPMENT SCHEDULES		No		0.00
	VRF-OU-GF-SHP- 18	1	No	21,537.00	21,537.00
	VRF-IU-GF-SHP- 18	2	No	4,014.00	8,028.00
	VRF PLANT 16 EQUIPMENT SCHEDULES		No		0.00
	VRF-OU-GF-SHP- 19	1	No	21,697.50	21,697.50
	VRF-IU-GF-SHP- 19	2	No	4,545.00	9,090.00
	VRF PLANT 17 EQUIPMENT SCHEDULES		No		0.00
	VRF-OU-01	1	No	72,583.50	72,583.50
	VRF-IU-LR-STR- 01	1	No	2,655.00	2,655.00
	VRF-IU-LR-STR- 02	1	No	2,655.00	2,655.00
	VRF-IU-LR-LOB- 01	1	No	2,655.00	2,655.00
	VRF-IU-LR-LOB- 02	1	No	2,655.00	2,655.00
	VRF-IU-LR-LC- 01	1	No	2,655.00	2,655.00
	VRF-IU-LR-EL- 01	1	No	2,655.00	2,655.00
	VRF-IU-LR-WM- 01	1	No	2,655.00	2,655.00
	VRF-IU-3F-HW- 01	3	No	4,545.00	13,635.00
	VRF-IU-3F-GYM- 01	1	No	4,545.00	4,545.00
	VRF-IU-3F-PLAY 01	1	No	4,545.00	4,545.00
	VRF PLANT 18 EQUIPMENT SCHEDULES				
	VRF-OU-02	1	No	72,583.50	72,583.50
	VRF-IU-2F-HW- 01	3	No	4,545.00	13,635.00
	VRF-IU-1F-HW- 01	3	No	4,545.00	13,635.00
	VRF-IU-1F- ARCH-01	1	No	3,672.00	3,672.00
	VRF-IU-1F- ARCH-02	1	No	3,672.00	3,672.00
	CARRIED TO COLLECTION				433,318.50



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Item	Description	Quantity	Unit	Rate (QR)	Amount (QR)
	MECHANICAL CONT'D				
	VRF PLANT 19 EQUIPMENT SCHEDULES				
	VRF-OU-03	1	No	65,724.00	65,724.00
	VRF-IU-GF-HW- 01	1	No	4,419.00	4,419.00
	VRF-IU-GF- CCTV-01	1	No	2,655.00	2,655.00
	VRF-IU-GF- STRE-01	1	No	2,655.00	2,655.00
	VRF-IU-GF-HW- 02	1	No	4,986.00	4,986.00
	VRF-IU-BF-HW- 01	1	No	4,419.00	4,419.00
	VRF-IU-BF-ORD- 01	1	No	3,672.00	3,672.00
	VRF-IU-BF-STR- 01	1	No	2,655.00	2,655.00
	VRF-IU-BF-STR- 02	1	No	2,655.00	2,655.00
	VRF-IU-BF-LV- 01	1	No	3,870.00	3,870.00
	VRF-IU-BF-HW- 02	1	No	3,870.00	3,870.00
	VRF-IU-BF-FPR- 01	1	No	2,943.00	2,943.00
	VRF-IU-BF-DPR- 08	1	No	2,655.00	2,655.00
	VRF-IU-BF-STRE 01	1	No	2,655.00	2,655.00
	VRF-IU-BF-IRR- 01	1	No	2,655.00	2,655.00
	VRF-IU-BF- MSTORE-01	1	No	3,015.00	3,015.00
	Refrigeration pipes - copper pipe for VRF units with black rubber insulation for both suction and discharge			600,000.00	600,000.00
	CARRIED TO COLLECTION				715,503.00



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Div:	15 : MECHANICAL	Phase:			
	BILL-03				

Item	Description	Quantity	Unit	Rate (QR)	Amount (QR)
	<u>MECHANICAL CONT'D</u>				
S	Split systems (Ducted), DX type <u>Split system, ducted type complete with indoor unit, outdoor unit, interconnecting refrigerant pipes and insulation, electrical cables between indoor and outdoor units, control and accessories.</u>		Set	0.00	0.00
			Set	0.00	0.00
			Set	0.00	0.00
			Set	0.00	0.00
			Set	0.00	0.00
			Set	0.00	0.00
	CARRIED TO COLLECTION				0.00



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Div:	15 : MECHANICAL	Phase:			
	BILL-03				

Item	Description	Quantity	Unit	Rate (QR)	Amount (QR)
A	MECHANICAL CONT'D				
	FCU-1F-SHP-29	1	Set	10,980.00	10,980.00
	FCU-1F-SHP-30	1	Set	8,235.00	8,235.00
	FCU-1F-SHP-31	1	Set	8,235.00	8,235.00
	FCU-1F-SHP-32	1	Set	10,980.00	10,980.00
	FCU-1F-SHP-33	1	Set	10,980.00	10,980.00
	FCU-1F-SHP-34	1	Set	10,980.00	10,980.00
	FCU-1F-SHP-35	1	Set	10,980.00	10,980.00
	FCU-1F-SHP-36	1	Set	8,235.00	8,235.00
	FCU-1F-SHP-37	1	Set	8,235.00	8,235.00
	FCU-1F-SHP-38	1	Set	8,235.00	8,235.00
	FCU-1F-SHP-39	1	Set	8,235.00	8,235.00
	FCU-1F-SHP-40	1	Set	8,235.00	8,235.00
	FCU-1F-SHP-41	1	Set	10,980.00	10,980.00
	FCU-1F-SHP-42	1	Set	10,980.00	10,980.00
	FCU-1F-SHP-43	1	Set	10,980.00	10,980.00
	FCU-1F-SHP-44	1	Set	10,980.00	10,980.00
	FCU-1F-SHP-44	1	Set	8,235.00	8,235.00
	FCU-1F-SHP-46	1	Set	8,235.00	8,235.00
	FCU-1F-SHP-47	1	Set	10,980.00	10,980.00
	FCU-1F-SHP-48	1	Set	10,980.00	10,980.00
	FCU-1F-SHP-49	1	Set	8,235.00	8,235.00
	FCU-1F-SHP-50	1	Set	8,235.00	8,235.00
	FCU-1F-SHP-51	1	Set	8,235.00	8,235.00
	FCU-1F-SHP-52	1	Set	8,235.00	8,235.00
	FCU-1F-SHP-53	1	Set	8,235.00	8,235.00
	FCU-1F-SHP-54	1	Set	8,235.00	8,235.00
	FCU-1F-SHP-55	1	Set	8,235.00	8,235.00
	FCU-1F-SHP-56	1	Set	8,235.00	8,235.00
	FCU-1F-SHP-57	1	Set	8,235.00	8,235.00
	FCU-1F-SHP-58	1	Set	10,980.00	10,980.00
			Set	0.00	0.00
	FCU-GF-SHP-2	1	Set	10,980.00	10,980.00
	FCU-GF-SHP-3	1	Set	10,980.00	10,980.00
	FCU-GF-SHP-5	1	Set	10,980.00	10,980.00
	FCU-GF-SHP-6	1	Set	10,980.00	10,980.00
	FCU-GF-SHP-7	1	Set	10,980.00	10,980.00
	FCU-GF-SHP-8	1	Set	8,235.00	8,235.00
	FCU-GF-SHP-9	1	Set	823.50	823.50
	FCU-GF-SHP-10	1	Set	8,235.00	8,235.00
	FCU-GF-SHP-11	1	Set	8,235.00	8,235.00
	CARRIED TO COLLECTION				360,418.50



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Div:	15 : MECHANICAL	Phase:			
	BILL-03				

Item	Description	Quantity	Unit	Rate (QR)	Amount (QR)
A	MECHANICAL CONT'D				
	FCU-GF-SHP-12	1	Set	8,235.00	8,235.00
	FCU-GF-SHP-13	1	Set	10,980.00	10,980.00
	FCU-GF-SHP-16	1	Set	10,980.00	10,980.00
	FCU-GF-SHP-17	1	Set	10,980.00	10,980.00
	FCU-GF-SHP-20	1	Set	8,235.00	8,235.00
	FCU-GF-SHP-21	1	Set	8,235.00	8,235.00
	FCU-GF-SHP-22	1	Set	8,235.00	8,235.00
	FCU-GF-SHP-23	1	Set	8,235.00	8,235.00
	FCU-GF-SHP-24	1	Set	8,235.00	8,235.00
	FCU-GF-SHP-25	1	Set	8,235.00	8,235.00
	FCU-GF-SHP-26	1	Set	8,235.00	8,235.00
	FCU-GF-SHP-27	1	Set	8,235.00	8,235.00
	FCU-GF-SHP-28	1	Set	8,235.00	8,235.00
	FCU-GF-TX-01	1	Set	5,355.00	5,355.00
	Heat Pump Supply, install, and Test for heat pump for domestic water tank cooling system and Hot water storage heating system, including, piping, heat exchangers, pumps DDC controllers, temperature sensor, accessories, fittings, complete as specified and shown in the drawings.				
K					
L	SWP-CW-HP-01 (Swimming Pool Cooling System)	1	Set	125,000.00	125,000.00
	RWT-CW-HP-01 (Domestic Water Cooling System)	4	Set	46,500.00	186,000.00
	100% Fresh air air handling units Supply and install each FAHU unit with variable speed fan including fixing accessories, fittings, valves, 2way valve, auto balancing valves, controls, cables, CO detectors, temperature sensor, DDC controller, filters complete as specified and shown on drawings				
M					
N	FAHU-01 (with sound attenuator(s)&Filters)	1	No	350,000.00	350,000.00
	FAHU-02 (with sound attenuator(s)&Filters)	1	No	350,000.00	350,000.00
	CARRIED TO COLLECTION				1,131,645.00



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Div:	15 : MECHANICAL	Phase:			
	BILL-03				

Item	Description	Quantity	Unit	Rate (QR)	Amount (QR)
<u>MECHANICAL CONT'D</u>					
A	Supply diffusers - type S.D. + VD 150mm x150mm	29	No	200.00	5,800.00
B	Exhaust diffusers - type S.D. + VD 150mm x150mm	243	No	200.00	48,600.00
C	Supply linear bar diffusers - type S.L.B.D. 15°-2way x 12mm single deflection, 100mm(W)				0.00
D	Length = 0.5m	13	No	180.00	2,340.00
E	Length = 0.6m		No		0.00
F	Length = 0.8m	3	No	200.00	600.00
G	Length = 1.0m	8	No	200.00	1,600.00
H	Length = 1.2m	24	No	240.00	5,760.00
I	Length = 1.3m	2	No	260.00	520.00
J	Length = 1.80m	4	No	300.00	1,200.00
K	Length = 2.0m	13	No	300.00	3,900.00
L	Length = 2.3m	19	No	300.00	5,700.00
M	Length = 2.5m	3	No	300.00	900.00
N	Length = 2.6m	9	No	350.00	3,150.00
O	Length = 3.5m	4	No	350.00	1,400.00
P	Return linear bar diffusers - type R.L.B.D. 15°-2way x 12mm single deflection, 100mm(W)				0.00
Q	Length = 0.5m	13	No	180.00	2,340.00
R	Length = 0.6m		No		0.00
S	Length = 0.8m	12	No	200.00	2,400.00
T	Length = 1.0m	2	No	200.00	400.00
U	Length = 1.2m		No		0.00
CARRIED TO COLLECTION					92,770.00



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Item	Description	Quantity	Unit	Rate (QR)	Amount (QR)
A	MECHANICAL CONT'D				
B	Length = 1.3m	2	No	260.00	520.00
C	Length = 1.8m	4	No	300.00	1,200.00
D	Length = 2.0m	13	No	300.00	3,900.00
E	Length = 2.3m	19	No	300.00	5,700.00
F	Length = 2.5m	3	No	300.00	900.00
G	Length = 2.6m	9	No	350.00	3,150.00
	Length = 3.5m	4	No	350.00	1,400.00
H	Supply linear slot diffusers - type S.L.S.D.				
J	S.L.S.D. 2 slots (20mm) -Length = 0.5m	9	No	200.00	1,800.00
	S.L.S.D. 2 slots (20mm) -Length = 1.0m	9	No	250.00	2,250.00
K	Return linear slot diffusers - type R.L.S.D.				
L	R.L.S.D. 2 slots (20mm) -Length = 0.5m	9	No	200.00	1,800.00
	R.L.S.D. 2 slots (20mm) -Length = 1.0m	9	No	250.00	2,250.00
M	Flexible circular ducts + VD				
	200mm diameter	4	m	100.00	400.00
N	Exhaust registers - type E.R.				
O	100mm x 100mm+VD	3	No	250.00	750.00
P	150mm x 100mm+VD	1	No	250.00	250.00
Q	Free Area = 0.1 m ²	1	No		0.00
	Free Area = 0.117 m ²	1	No		0.00
R	Return registers - type R.R.				
S	150mm x 150mm+VD	5	No	250.00	1,250.00
T	200mm x 150mm+VD	2	No	290.00	580.00
U	200mm x 100mm+VD	1	No	280.00	280.00
V	400mm x 250mm+VD		No	440.00	440.00
	250mm x 150mm+VD		No	360.00	360.00
	CARRIED TO COLLECTION				29,180.00



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Div:	15 : MECHANICAL	Phase:			
	BILL-03				

Item	Description	Quantity	Unit	Rate (QR)	Amount (QR)
A	MECHANICAL CONT'D				
B	250mm x 150mm+VD	2	No	360.00	720.00
C	250mm x 200mm+VD	1	No	390.00	390.00
	350mm x 300mm+VD	1	No	440.00	440.00
D	Supply registers - type S.R.				
E	100mm x 100mm+VD	4	No	250.00	1,000.00
F	150mm x 150mm+VD	5	No	290.00	1,450.00
G	200mm x 100mm+VD	1	No	280.00	280.00
H	200mm x 150mm+VD	4	No	440.00	1,760.00
I	250mm x 150mm+VD	2	No	360.00	720.00
J	350mm x 300mm+VD	1	No	360.00	360.00
K	400mm x 250mm+VD	1	No	390.00	390.00
L	Free Area = 0.1 m ²	1	No		0.00
	Free Area =0.117 m ²	1	No		0.00
M	Fans				
	<u>Supply and install fans including fixing accessories, fittings and controls complete as specified and shown on drawings</u>				
N	EXF-GEN-01	1	No		
P	SUF-GEN-01	1	No		
Q	EXF-FPR-01	1	No		
R	SUF-FPR-01	1	No		
S	EXF-BF-01	1	No	570,000.00	570,000.00
T	EXF-BF-02	1	No		
U	SUF-BF-01	1	No		
V	KEF-01		No		
	EF-GC-01		No		
CARRIED TO COLLECTION					577,510.00



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Item	Description	Quantity	Unit	Rate (QR)	Amount (QR)
MECHANICAL CONT'D					
A	<u>INDUCTION FANS</u>				
	JF-BF-01	10	No	15,000.00	150,000.00
	Fabricate, supply and erect galvanized sheet steel ductwork including bends, junctions, flexible connection reducers, splitter dampers, hangers and duct supports as specified and shown on drawings				
B	<u>Rectangular ductworks</u>				
	Low pressure	35,110	Kg		
	Fabricate, supply and erect fire rated steel ductwork (ventilation) including bends, junctions, flexible connection reducers, splitter dampers, hangers and duct supports as per code and specified	5,851	M2	200	1,170,200.00
C	Rectangular ductworks				
	Fire rated ducts	2,748	Kg		
		291	M2	300.00	87,300.00
D	<u>Volume dampers - type VD</u>				
	Supply and install volume dampers including fixing accessories and fittings, complete as specified and shown on drawings, but not limited to the followings				0.00
E	100mm x 100mm	3	No	90.00	270.00
					0.00
F	150mm x 100mm	83	No	95.00	7,885.00
					0.00
G	150mm x 150mm	61	No	100.00	6,100.00
					0.00
H	200mm x 100mm	9	No	150.00	1,350.00
					0.00
J	200mm x 150mm	66	No	180.00	11,880.00
					0.00
K	200mm x 200mm	4	No	190.00	760.00
					0.00
L	250mm x 150mm	15	No	220.00	3,300.00
					0.00
M	250mm x 200mm	16	No	220.00	3,520.00
					0.00
N	250mm x 250mm	16	No	230.00	3,680.00
					0.00
P	300mm x 200mm		No	250.00	250.00
	300mm x 250mm		No	260.00	1,040.00
CARRIED TO COLLECTION					1,447,535.00



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Item	Description	Quantity	Unit	Rate (QR)	Amount (QR)
A	MECHANICAL CONT'D				
B	300mm x 300mm	1	No	270.00	270.00
C	350mm x 200mm	13	No	280.00	3,640.00
D	350mm x 250mm	4	No	290.00	1,160.00
E	350mm x 300mm	17	No	295.00	5,015.00
F	400mm x 150mm	1	No	310.00	310.00
G	400mm x 200mm	1	No	330.00	330.00
H	400mm x 250mm	17	No	350.00	5,950.00
J	400mm x 300mm	15	No	370.00	5,550.00
K	450mm x 250mm	34	No	400.00	13,600.00
L	450mm x 300mm	7	No	410.00	2,870.00
M	500mm x 250mm	10	No	500.00	5,000.00
N	500mm x 300mm	19	No	520.00	9,880.00
	550mm x 250mm	9	No	550.00	4,950.00
	Non return damper - type NRD				0.00
P	<u>Supply and install non return dampers including fixing accessories and fittings, complete as specified and shown on drawings, but not limited to the followings</u>				0.00
Q	150mm x 100mm	26	No	500.00	13,000.00
R	150mm x 150mm	9	No	520.00	4,680.00
	1100mm x 700mm	2	No	550.00	1,100.00
S	Fire dampers - type FD				0.00
	<u>Supply and install fire dampers including fixing accessories and fittings, complete as specified and shown on drawings, but not limited to the followings</u>				0.00
T	150mm x 100mm	44	No	330.00	14,520.00
U	150mm x150mm		No	390.00	10,140.00
	200mm x 200mm		No	420.00	14,280.00
	CARRIED TO COLLECTION				116,245.00



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Item	Description	Quantity	Unit	Rate (QR)	Amount (QR)
A	MECHANICAL CONT'D				
B	200mm x150mm	29	No	400.00	11,600.00
C	250mm x 250mm	16	No	470.00	7,520.00
D	250mm x 200mm	10	No	460.00	4,600.00
E	300mm x 200mm	23	No	490.00	11,270.00
F	300mm x 250mm	10	No	510.00	5,100.00
G	350mm x 200mm	2	No	510.00	1,020.00
H	350mm x 300mm	1	No	550.00	550.00
J	400mm x 300mm	4	No	660.00	2,640.00
K	600mm x 500mm	1	No	890.00	890.00
	1000mm x 600mm	1	No	1,100.00	1,100.00
	Motorized volume dampers - type MVD				0.00
L	<u>Supply and install fire dampers including fixing accessories and fittings, complete as specified and shown on drawings, but not limited to the followings</u>				0.00
M	250mm x 200mm	2	No	1,200.00	2,400.00
N	350mmx300mm	2	No	1,500.00	3,000.00
	1600mmx1300mm	1	No	6,500.00	6,500.00
	Louvers				0.00
P	<u>Fresh air louvers</u>				0.00
Q	Free area 2.25 m ² (with sand trap)	1	No	3,375.00	3,375.00
R	Free area 1.7 m ³ (with sand trap)	1	No	2,550.00	2,550.00
S	Free area 9.3 m ³ (with sand trap)	2	No	13,950.00	27,900.00
T	<u>Exhaust air louvers</u>				0.00
U	<u>Free area 0.03 m²</u>		No	360.00	5,040.00
	Free area 1.08 m ²		No	1,000.00	2,000.00
	CARRIED TO COLLECTION				99,055.00



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Div:	15 : MECHANICAL	Phase:			
	BILL-03				

Item	Description	Quantity	Unit	Rate (QR)	Amount (QR)
A	MECHANICAL CONT'D				
B	Free area 9.3 m2	2	No	9,300.00	18,600.00
C	Free area 0.117 m2	1	No	360.00	360.00
D	Free area 1.7 m2	1	No	1,700.00	1,700.00
	Free area 23 m2	2	No	23,000.00	46,000.00
	Pressure UPVC pipes				0.00
E	Supply, lay, connect and test the following condensate drain pipes including fixing accessories and fittings complete as specified	1,264	m	25.00	31,590.00
	25mm diameter				0.00
	Insulation for ductwork (Inside building)				0.00
F	Supply duct insulation preformed Physically cross linked, closed cell Polyolefin foam with factory applied, as specified	7,406	m ²	75.00	555,480.00
	To rectangular ductwork				0.00
G	Duct Lining				0.00
	Supply Ductwork with Acoustic Lining as per specs wherever specified or indicated on the drawings	762	m ²	60.00	45,720.00
	To rectangular ductwork				0.00
	Insulation for condensate drain pipes				0.00
H	Supply pipe insulation preformed Physically cross linked, closed cell Polyolefin foam with factory applied, reinforced aluminium foil in preformed, pre-slit tubes	885	m	50.00	44,250.00
	Insulation; 15mm thick on pipes				0.00
	25mm diameter				0.00
	CARRIED TO COLLECTION				743,700.00



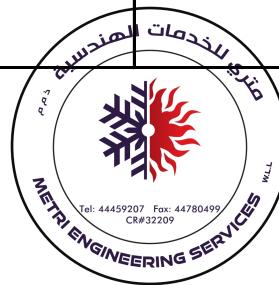
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Div:	15 : MECHANICAL	Phase:			
	BILL-03				

Item	Description	Quantity	Unit	Rate (QR)	Amount (QR)
	MECHANICAL CONT'D				
	Tenderer's Adjustment				
	<p>The tenderer shall describe the price below the items necessary for the full and proper completion of the works as described in the specifications of 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 whether arising from the class of works, conditions and contract or any other matter whatsoever. any thing not so separately described shall be deemed to be covered in the items and rates inserted in the bills of quantities</p> <p>(i) (ii) (iii) (iv) (v)</p>				
	CARRIED TO COLLECTION				



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Scp:	Bill of Quantities	Rev:	#REF!	Location:	Doha
Div:	15 : MECHANICAL	Phase:			
	BILL-03				

Item	Description	Quantity	Unit	Rate (QR)	Amount (QR)
	COLLECTION				
	Total Brought Forward from Page No.				
	Bill 03/15/1				
	Bill 03/15/2				
	Bill 03/15/3				
	Bill 03/15/4				
	Bill 03/15/5				
	Bill 03/15/6				
	Bill 03/15/7				
	Bill 03/15/8				
	Bill 03/15/9				
	Bill 03/15/10				
	Bill 03/15/11				
	Bill 03/15/12			230,118.00	
	Bill 03/15/13			831,862.50	
	Bill 03/15/14			433,318.50	
	Bill 03/15/15			715,503.00	
	Bill 03/15/16			0.00	
	Bill 03/15/17			360,418.50	
	Bill 03/15/18			1,131,645.00	
	Bill 03/15/19			92,770.00	
	Bill 03/15/20			29,180.00	
	Bill 03/15/21			577,510.00	
	CARRIED TO COLLECTION				4,402,325.50



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Scp:	Bill of Quantities	Rev:	#REF!	Location:	Doha
Div:	15 : MECHANICAL	Phase:			
	BILL-03				

Item	Description	Quantity	Unit	Rate (QR)	Amount (QR)
	COLLECTION				
	Total Brought Forward from Page No.				4,402,325.50
	Bill 03/15/22				1,447,535.00
	Bill 03/15/23				116,245.00
	Bill 03/15/24				99,055.00
	Bill 03/15/25				743,700.00
	Bill 03/15/26				
	Bill 03/15/27				
	CARRIED TO PART SUMMARY				6,808,860.50

