

**M/s. Aztec Middle East Contracting LLC**

Dubai

Email:- sherin.jerry@aztecme.com

Kind Attn: Ms. Sherin Jerry Titus (056 501 6940)

SUBJECT : QUOTE FOR FIRE PROTECTION SYSTEM

Project : Proposed P612 - Ground Only Commercial Center on Plot # 282-3301, Al Khawanej 2nd - Dubai

Client : Awqaf and Minors Affair Foundation

Consultant : Design Center

Dear Ma'am,

Thank you for your enquiry. We are pleased to quote for the above-mentioned project. Our offer for Supply, Installation, Testing & Commissioning of the below systems is as Follows: -

Sr.	Description	Qty	Unit	Amount
1	COMBINED FIRE PUMP SET 2000 GPM @ 8 BAR, HORIZONTAL SPLIT CASE PUMP (1E+1D+1J) - UL/FM APPROVED - NAFFCO.	1	LOT.	375,000.00
2	SPRINKLER SYSTEM	1	LOT.	504,995.00
3	FIRE FIGHTING SYSTEM	1	LOT.	202,080.00
4	FIRE HYDRANT SYSTEM	1	LOT.	181,060.00
5	FM-200 FIRE SUPPRESSION SYSTEM, UL LISTED/FM APPROVED - FIKE FOR LV ROOM @ GROUND FLOOR	1	LOT.	65,270.00
6	FOAM SPRINKLER SYSTEM FOR GENERATOR ROOM @ GROUND FLOOR	1	LOT.	94,231.00
7	ADDRESSABLE FIRE ALARM SYSTEM - TRIGA	1	LOT.	237,218.00
8	PUBLIC ADDRESS & VOICE EVACUATION SYSTEM - SHIELD	1	LOT.	88,320.00
9	ADDRESSABLE SELF CONTAINED EMERGENCY & EXIT LIGHT SYSTEM - NAFFCO	1	LOT.	184,942.00
10	DISABLED TOILET ALARM SYSTEM - C-TEC	1	LOT.	11,194.00
Total Amount (AED)				1,944,310.00
VAT Amount (Immediate Payment)				97,215.50

We earnestly hope that you will find our rates & terms-conditions of business most competitive & acceptable to you.

We look forward to your esteemed order & assure you our utmost attentions & cooperation all the time.

TERMS & CONDITIONS

Validity of the Offer : 30 days.

Payment Terms : To be discussed

Delivery Period : To be discussed and mutually agreed.

Warranty : Supplied materials will carry a warranty against manufacturing defects for 12 months from the date of supply

NAFFCO Electromechanical Co. L.L.C. شركة نافكو للأنظمة الكهروميكانيكية ذ.م.م

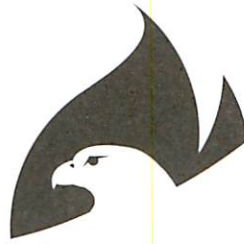
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MAINTENANCE DEPARTMENT



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13th July 2023

Should you need any assistance, please do not hesitate to contact our Account Sales Manager
Mr. Mohamed Rizwan on Mobile#: 056- 681 1299

Thanks & best regards

Eng. Nasim Abu Rajab
Maintenance Manager

* E. & O. E.

شركة نافكو للأنظمة الكهروميكانيكية ذ.م.م. NAFFCO Electromechanical Co. L.L.C.

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FIRE PROTECTION ENGINEERING

PROJECT: PROPOSED FIRE PROTECTION SYSTEM FOR P612- GROUND ONLY COMMERCIAL CENTER

Technical Notes and Comments:

Offer is strictly based on the drawings and specification provided by you. Offered equipments are rated for 12 bar (175 PSI) pressure unless otherwise mentioned.

Incoming power supply to the panel along with necessary isolator / MCB and proper earthing shall be provided by you.

Underground Pipes & Fittings: -

FM Approved make HDPE pipe & fittings.

Above Ground Pipes & Fittings:-

Galvanized steel ERW pipe as per ASTM A53 Gr- B Sch 40.

Sizes up to 2" dia are threaded fittings, 2 1/2" dia and above are grooved fittings of ductile iron.

Fire Resistant Cables:-

2CX1.5 sq.mm. detector & bell circuit.

Deviations:

1. Gas cartridge actuator. Proposed impulse valve actuator.
2. 9 Ltr. Water fire Extinguishers inside the Fire Hose Cabinet, Proposed 6 Kg DCP fire Extinguishers inside the Fire Hose Cabinet.

Exclusions:

1. Fire pump room, fire water tank with accessories, tank filling pipe line ,site stores for material storage, and Fire stop materials required for closing of openings any type of spares and tools, pipe sleeves for wall crossings and aluminium scaffolding & man lift during execution.
2. Shutdown, Re-commissioning, commissioning and draining of water not included our scope of work.
3. Fire rated cabinet.
4. Recirculating pump.
5. Expansion joint & flexible drop for sprinkler.
6. Clevis Hangers.
7. Seismic design and equipment for seismic protection of sprinklers/fire fighting system offered. If the seismic protection of the sprinkler/fire fighting system is required, there will be charges for the seismic design as well as for the equipments required to accomplish seismic protection as per NFPA.
8. Anti – vortex plate for firefighting pumps and fire water tank isolation valves.
9. Aluminum cladding and insulation for Diesel engine exhaust pipe line.
10. Fire protection for the obstruction due to the ducts not considered since no details are provided.
11. Concrete thrust block, chambers and civil works
12. Stand by Generator, Water Storage for Hydraulic testing, Site soil sample for geotechnical investigation ,Fork lift and cranes excluded from our offer
13. Manhole cover & frame, Pipe sleeves in road crossing, Associated Instrumentation and Control Not included in our offer.
14. Mastic sealant/damp proof course for all chambers (where pipe crossing the wall) to be provided by MEP contractor.
15. To provide 10Amp, single phase 240V A/C power supply for each control panels of FM200 (HFC227-ea).

16. To interface fire alarm system with all our control panels for fire, fault & release signal (potential free contact will be available in our each control panels). This is a minimum requirement of civil defense.
17. To provide motorized fire dampers (no fusible type damper allowed) in FM200 protected rooms at supply & return of A/C ducts to get proper concentration of FM-200 gas. (Preferably spring return type actuator, operating at 24V DC). At normal condition damper will be in open condition with 24V DC supply. At fire condition, power will be cut-off through our potential free contact & damper should be closed within ten seconds before gas release.) Cable for interfacing with the same excluded from our scope.
18. To seal all openings of the room with fire stop materials to enable us to do room integrity test for all FM200 protected room (room tightness test).
19. To keep always the release control panel and FM200 cylinder inside temperature controlled room.
20. Pressure relief/Room venting system, Drop curtains, Door holders and any other shutdowns required.
21. Leakage allowance for unclosable openings, since no details provided.
22. Discharge test, reserve cylinder, concentration test all are excluded.
23. Any volume increased will be subject to variation.
24. Power supply for panel / air compressor excluded from our scope.
25. Any type of civil work excluded.
26. Civil defense & third party approval charges.

Observations:

1. If any additional material/equipments required during detailed engineering/execution as per the requirement of Civil Defense/ site condition will be charged extra.
2. We have proposed 2000gpm @ 8 bar (1E+1D+1J)-horizontal split case fire fighting pump set suitable for positive suction. We assumed pump room & water tank are in same level.
3. FM200 system with louver is not advisable.
4. Considered integrity test in our offer and presumed the hazard area is air tight and sealing & securing the protected spaces are NOT in our scope of work.
5. Gas cylinders location inside the area to be protected, subject to civil defense approval.
6. Assumed all the room enclosure and cylinder storage area temperature are maintained at 20°C. If any changes our offer shall be subject to revision.
7. We have considered FM200 fire suppression system for the following rooms only as the total room height of 5 meter. If any other Rooms to be protected, our offer will be subjected to revision.
 - a) LV ROOM @ GROUND FLOOR— (Volume – 160.43cu.m).
8. Considered foam system in generator room @ ground floor (Area-8.19m²).
9. Considered that the Underground pipe is laid at a distance of 1 Mtr from the finished floor level.
10. We have proposed our standard product for fire fighting, sprinkler system & FM 200 system, foam system, fire hydrant system.
11. Any additional works to our approved offer shall be considered as a variation with mutually agreed cost and time.
12. Indemnity against damages due to our sole default, shall be restricted to a maximum of 10% of the total order/contract value.
13. Upon any termination/suspension of our works, you shall fully pay us for the works done and all pending Purchase Orders.
14. We have the right to terminate/suspend the order/contract/works if you fail to comply with the agreed terms herein.
15. Warranty as per manufacturer's standards, liability insurance, provisional sum, Guarantee, Service / maintenance of the system not included.

The Estimation is based on the drawings as given below.

<i>S.NO</i>	<i>DWG. NO</i>	<i>DRAWING TITLE</i>	<i>REV</i>	<i>DATED</i>
<i>FIRE FIGHTING SYSTEMS LAYOUT</i>				
<i>1</i>	<i>M-FF&SP(01/05)</i>	<i>UNDER GROUND WATER TANK PALN</i>	<i>-</i>	<i>30.5.23</i>
<i>2</i>	<i>M-FF&SP(02/05)</i>	<i>GROUND FLOOR PLAN</i>	<i>-</i>	<i>30.5.23</i>
<i>3</i>	<i>M-FF&SP(03/05)</i>	<i>ROOF FLOOR PLAN</i>	<i>-</i>	<i>30.5.23</i>
<i>4</i>	<i>M-FF&SP(04/05)</i>	<i>SCHEMATIC RISER DAIGRAM</i>	<i>-</i>	<i>30.5.23</i>
<i>5</i>	<i>M-FF&SP(05/05)</i>	<i>FIRE FIGHTING TYPICAL DETAILS</i>	<i>-</i>	<i>30.5.23</i>



FIRE PROTECTION ENGINEERING

PROJECT : PROPOSED P612-GROUND ONLY COMMERCIAL CENTER
CONTRACTOR : AZTEC MIDDLE EAST CONTRACTING LLC

Technical Notes and Comments: -

Scope of work:-

1. Our offer is for supply, Installation and testing-commissioning of TRIGA Addressable fire alarm and Fire Telephone system, & Public Address and voice alarm system, Disabled toilet alarm system and NAFFCO Addressable self-contained emergency light system.

Offer is based on the design drawings and system requirement.

Our scope is limited to proposed P612 Commercial Center - Ground & Roof area only.

We have considered Above ceiling void detectors based on the design drawings only since the Sectional & ceiling Height details are not provided.

Fire rated Cables

Considered 2Cx 1.5 sqmm cable for FA and EM system

Considered 2Cx 2.5 sqmm cable for PAVA system

Observations: (This is for your information only)

1. If any additional material / equipment's required during detailed engineering / execution as per the requirements of revised Site condition and changed architecture, will be charged extra.
2. We have considered separate isolator modules after every 18 devices.
3. Incoming power supply to panel shall be provided by you along with necessary isolator / MCB and proper earthing.
4. We have considered Graphic monitoring System as per the schematic drawings.

Exclusions:

1. Auto dialer, 24/7 CD since the same shall be provided by the client/main contractor.
2. Spare parts.
3. Civil works.
4. Conduits & accessories.
5. Beam Detectors.
6. Above ceiling void detectors.