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إسماعيلية ٢٠٢٢/١٠/١٦
إدارة الحركة - م. الإلكترونيات
رقم القيد ٢٠٢٢/١٣٠
رقم الملف
تليفون ٢٢٩٦٢٢٢ - ٢٢٩٦٢٢٣ - ٢٢٩٦٢٢٤ / ٠٦٤ الإسماعيلية
فاكس ٢٢٩٦٢٨٤ - ٢٢٩٦٢٨٥ / ٠٠٢/٠٦٤
بريد إلكتروني info@suezcanal.gov.eg

إشارة كتابية

من إدارة التحركات (م. الإلكترونيات) إلى - المخزن العام ببورفؤاد

بالإحالة إلى إشارتكم رقم ٢٠٥٧ بتاريخ ٢٠٢٢/٨/١٦ بخصوص دراسة ومعاينة ناقلات الوقود امداد (١) التابعة للمخزن العام لتحديد كميات و مواصفات منظومة المراقبة بالكاميرات نظراً لصعوبة المناورة في الأماكن الضيقة بسبب انعدام الرؤية.
وإيماءاً إلى المعاينة التي تمت للوحدة في حضور مندوبكم بتاريخ ٢٠٢٢/٨/٢٤، مرفق لسيادتكم الكميات و المواصفات الفنية لمنظومة المراقبة بالكاميرات للوحدة و ذلك لإتمام اجراءات الشراء بمعرفتكم.

وشكراً،،،

نائب مدير إدارة التحركات
د. مهندس

(هشام محمود أبو الحسن)

قسم المراقبة الإلكترونية	
صادر رقم : 830	بتاريخ: 2022-10-16
<input type="checkbox"/> المراكز والكاميرات الملاحية بالاسماعيلية	<input checked="" type="checkbox"/> المراكز والكاميرات الملاحية ببورسعيد
<input type="checkbox"/> الرادارات - مراقبة إلكترونية	<input type="checkbox"/> المراكز والكاميرات الملاحية ببورتوقيق
<input type="checkbox"/> التوقيعات والأرصدة - مراقبة إلكترونية	<input type="checkbox"/> المكتب الفني - مراقبة إلكترونية
<input type="checkbox"/> تطوير البرامج - مراقبة إلكترونية	<input type="checkbox"/> الامن الصناعي - مراقبة إلكترونية
<input type="checkbox"/> صيانة الحاسبات - مراقبة إلكترونية	<input type="checkbox"/> السكرتارية - مراقبة إلكترونية
<input type="checkbox"/> القوي - مراقبة إلكترونية	<input type="checkbox"/> الافراد - مراقبة إلكترونية
<input checked="" type="checkbox"/> المتابعة - مراقبة إلكترونية	<input type="checkbox"/> التأمين الأرضي - مراقبة إلكترونية

Fuel Tanker 1 surveillance system Specification

- All of equipment and installation materials used should comply with the standard rated outdoor specs (able to operate in harsh environments and can stand salt water, high temperature and high humidity)

Overall System

1. Open architecture system compatible with most famous camera vendors and ONVIF support.
2. IP network, Full High-definition camera system.
3. Simultaneous recording, playback, live view, and operation.
4. The system should provide high quality video for video surveillance with no frame losses, or mosaic, with minimum latency.
5. Fuel Tanker 1 has its own surveillance system (1 NVR - 1 Monitor - 5 cameras - 1 UPS- 1 Rack- Passive Components)

Outdoor Fixed Bullet Camera	<ul style="list-style-type: none">- 1 / 2.8" CMOS-- 2 Megapixel (1920 x 1080) resolution- 3.8 ~ 9mm motorized varifocal lens- Stainless Steel housing- 25fps @ FHD (H.264)- H.264, MJPEG codec supported, Multiple streaming- Day & Night (ICR), WDR (120dB), Defog- microSD memory slots- IR viewable length 50m- ONVIF compatibility- Day & Night (ICR), WDR (150dB), Defog- Loitering, Directional detection, Tampering, Audio detection, Digital auto tracking, Fog detection, Sound classification, Motion detection, Handover.- SD/SDHC/SDXC memory 2slots (Max. 512GB).- IP66, IP6K9K, IK10+, NEMA4X
NVR	<ul style="list-style-type: none">- Up to 8 channels @8MP Each- 100 Mbps Recording bandwidth- Supports H.265/H.264- Max 2 HDDs (Max. 12TB)- HDMI output up to UHD (4K) resolution- 8 PoE/PoE+ ports- Support ONVIF for live stream and recording- Sufficient storage size for all camera recordings for minimum period of 30 days with additional 20% of free disk space recording resolution 1080p at 25 fps- ONVIF compatibility

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Led 32" Monitor	<ul style="list-style-type: none"> - 1920x1080 FHD - Panel type IPS - 60 HZ refresh rate - HDMI port with cable - VESA mount Interface - 24/7
UPS Marine grade	<ul style="list-style-type: none"> - Rack mounted 1 KVA - Double conversion online - Input Power Factor at Full Load 1 - Lead-acid battery - LED display with load and battery bar-graphs and on line: replace battery: overload and bypass indicators - IP20 - High availability, ruggedized power protection for shipboard and other transportation applications. - Back- up time at full-load: 30 min
power	<ul style="list-style-type: none"> - All equipment in the control room should have UPS power supply, equipment power supply from UPS is the responsibility of Bidder. - SCA will be responsible for providing suitable single phase power supply cable for UPS location and the bidder will provide circuit breaker and all the equipment that accomplish our requirements. - Circuit breaker for the UPS input - Circuit breaker for the UPS output
Rack	<ul style="list-style-type: none"> - 9U internal usage capacity - All Equipment housed using a brand water proof housing (IP66) and protect from weather conditions - Dust proof gates for cable entry - Top fan unit - Openable and lockable front cover - Rack mounted power strips (PDU) with at least six outlets each 220v
Network cables / Patch Panels	<ul style="list-style-type: none"> - Ethernet & patch cord: recommended CommScope, Schneider, Nexans and Panduit or any class A cable that can stand the harsh environment, bending, high tension, salt water, high temperature and high humidity. - Network cables will be installed in stainless steel tubes - The bidder will provide us with samples of Cable tubes to be tested. - Shielded foiled twisted pair (SFTP) CAT6 Ethernet cable - Ethernet Patch Panel will be mounted in equipment racks with sufficient modular jacks to accommodate the installed cable plant plus 10 percent spare - Cat 6 UTP Patch Cord is constructed of 24 AWG, unshielded, twisted pair - Labeling cables from both ends

BOQ:

Item	Item Description	Brand / Origin	QTY
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[Signature]

1	Outdoor camera	Korea-USA-EU – Japan	5
2	NVR	Korea-USA-EU and Japan	1
3	LED 32" Monitor	LG - Samsung	1
4	UPS	US – EU – Japan	1
5	Network cable & patch panel (Passive)	Nexans-Panduit - CommScope - Schneider	Listed below
6	Rack	Rittal - Panduit - CommScope - Schneider	1
7	Installation material	Class A	TBD
8	Camera masts if needed	Class A	TBD

Total Passive Components		QTY
1	Outdoor Cable, S/FTP (shielded), LSZH, 23AWG Solid Copper, Smoke Zero Halogen or Flame, Conductor Material: Bare copper, UV resistant for outdoor	1 ROLL 305M
2	Outdoor Back box+ Face plate+ CAT 6A modules [if needed]	TBD
3	Patch Panel UTP -24 Port Fully loaded and cable organizer	1
4	Patch Cord 1M / 3m	6/6
5	Ducts + Flexible, Pipe and Cable tray	LS

The previous quantities are the minimum and the bidder should put the required number of equipment and material in his offer to achieve the functionality of the system target.

- The Bidder should design the network to achieve the goals with minimum equipment and materials.
- All the previous notes will be taken in consideration as follows in the technical evaluation section.
- All Passive network components should be from the same vendor.
- All outdoor cables should bear harsh environments, bending, salt water, high temperature and high humidity.
- The bidder must provide calculation sheet for storage.
- The offer should have the system design including all of the system Components (Active and Passive).
- The bidder should provide certificate for partnership with the vendor of cameras.
- The security solution should be approved by vendor.
- The vendor should have certified maintenance center in Egypt.

(مرفق ٤/٢) 