ARAB REPUBLIC OF EGYPT
SUEZ CANAL AUTHORITY
www.suezcanal.gov.eg

SUEZ CANAL AUTHORITY
هيئة قناة السويس

جمهورية مصر العربية
هيئة قناة السويس

Dept :
No :
Re :
Telephone : 002 / 064 / 3398222 / 3398333 / 3397222 Ismailia
Fax : 002 / 064 / 3393246 / 3393248 / 3393249
E-mail : info@suezcanal.gov.eg

إدارة التموين
رقم القيد :
رقم الملف :
تليفون : ٣٣٩٦٣٣٣ / ٣٣٩٦٢٢٢ / ٣٣٩٧٢٢٢ / ٠٦٤/٠٠٢الإسماعيلية
فاكس : ٣٣٩٣٨٨٠ / ٣٣٩٣٢٦٦ / ٣٣٩٢٨١٩ / ٣٣٩٣٢٤٦ - ٠٦٤/٠٠٢

في ٢٨/١٢/٢٠٢٢م

١١١٠١

إدارة التحركات (السكرتارية الرئيسية)
وارد ٨٠١٣ / أ بتاريخ ٢٨ / ١٢ / ٢٠٢٢

- ☐ مرشحة الملاحة
- ☐ مراقبة الصحاس
- ☑ المراقبة الالكترونية
- ☐ ت بورسعيد
- ☐ ت الاسماعيلية
- ☐ ت بورتوفيق
- ☐ المخططون الفنية
- ☐ لاسلكي و مساعدات ملاحية
- ☐ مركز المحاكاة
- ☐ المحاسبات
- ☐ الأفراد
- ☐ السكرتارية

تحويل مستندات

٢٨/١٢/٢٠٢٢

الموضوع :

المناقصة رقم ١٠٩-٣٧٠٦/٥٤٣ جلسة ٢٠٢٢/٠١/٣١ لتوفير منظومة مراقبة بالكاميرات لزوم المعديات التابعة لإدارة الكراكات بالإسماعيلية.

المرفقات:

- عدد/ ٤ خطابات متضمنة الإستفسارات الفنية لبعض الشركات التي قامت بإجراء المعاينة الميدانية لمواقع تركيب الكاميرات بالمعديات التابعة لإدارة الكراكات بالإسماعيلية.

محول إلي/ إدارة التحركات-إدارة الكراكات:

برجاء التكرم بالإستلام والدراسة وسرعة الإفادة بالرأي.

وشـــــــكراً ...

مدير إدارة التموين
مهندس
٢٨/١٢/٢٠٢٢
(محمد حسن عبد المنعم)

- صورة للسيد اللواء/ مستشار رئيس الهيئة للأمن.

قسم المراقبة الإلكترونية	
وارد رقم : 1879	بتاريخ :2022-12-29
☐ المراكز والكاميرات الملاحية بالاسماعيلية	☑ المراكز والكاميرات الملاحية ببورسعيد
☐ الرادارات - مراقبة إلكترونية	☐ المراكز والكاميرات الملاحية ببورتوفيق
☐ التوقيتات والأرصاد - مراقبة إلكترونية	☐ المكتب الفنى - مراقبة إلكترونية
☐ تطوير البرامج - مراقبة إلكترونية	☐ الامن الصناعي - مراقبة إلكترونية
☐ صيانة الحاسبات - مراقبة إلكترونية	☐ السكرتارية - مراقبة إلكترونية
☐ القوي - مراقبة إلكترونية	☐ الافراد - مراقبة إلكترونية
☑ المتابعة - مراقبة إلكترونية	☐ التامين الأرضي - مراقبة إلكترونية

@elshaymaa.nassar/7485

Hazem Hassen

From: Abdelkhalek Ahmed <Abdelkhalek.Ahmed@systel.com.eg>
Sent: Tuesday, December 20, 2022 12:33 PM
To: Hazem Hassen; mahmedsca@gmail.com
Cc: Tarek Gharieb; [illegible]
Subject: RE: Ferry Boats CCTV system (tender no. 109-528/36561)
Attachments: NVX-with-SONY-FCB-EV7520-camera_Datasheet_Marine standard.pdf; ExSite® Enhanced Explosion-proof Camera System.pdf; C50515 A-z ExSiteEnhanced2ExplosionProtectedFixed_SpecSheet_011222.pdf; Compact Camera System.pdf

[illegible] Hazem,

[illegible]

[illegible]

SYSTEL "Telecom"
Abdelkhalek Abdelsamiaa
Senior System Architect
M: +20527150888
E: Abdelkhalek.ahmed@systel.com.eg

From: Hazem Hassen [mailto:hazem.hassen@suezcanal.gov.eg]
Sent: Monday, December 19, 2022 10:30 AM
To: mahmedsca@gmail.com
Cc: Tarek Gharieb; tarek.gharieb@suezcanal.gov.eg; [illegible] Abdalla@suezcanal.gov.eg
Subject: Ferry Boats CCTV system (tender no. 109-528/36561)

[illegible]

[illegible]

[illegible]

SUEZ CANAL

[illegible]
IT Procurement Engineer
[illegible]

@elshaymaa.nassar/7483

DVX with SONY FCB-EV7520 camera

STAIN-FSS STEEL FULL HD CAMERA

SONY

@elshaymaa.nassar/7483

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

TECHNICAL DATA

GENERAL

[illegible]

MECHANICAL

[illegible]

HOUSING'S WINDOW

[illegible]

ELECTRICAL

[illegible]

NETWORK

[illegible]

CYBERSECURITY

[illegible]

@elshaymaa.nassar/7483

[illegible]

[illegible]

VIDEO

[illegible]

CAMERAS

SONY FCB-EV7520 Day/Night Full HD 30x

[illegible]

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FOOTTEDBACK

[illegible]

ENVIRONMENT

[illegible]

CERTIFICATIONS

[illegible]

CERTIFICATIONS - RAILWAY APPLICATIONS

[illegible]

CERTIFICATIONS - MARINE APPLICATIONS

[illegible]

ACCESSORIES

[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

BRACKETS AND ADAPTORS

[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

PACKAGE

Model Number	Weight	Dimension (W,D,H)	Accessories
[illegible]	[illegible]	[illegible]	[illegible]

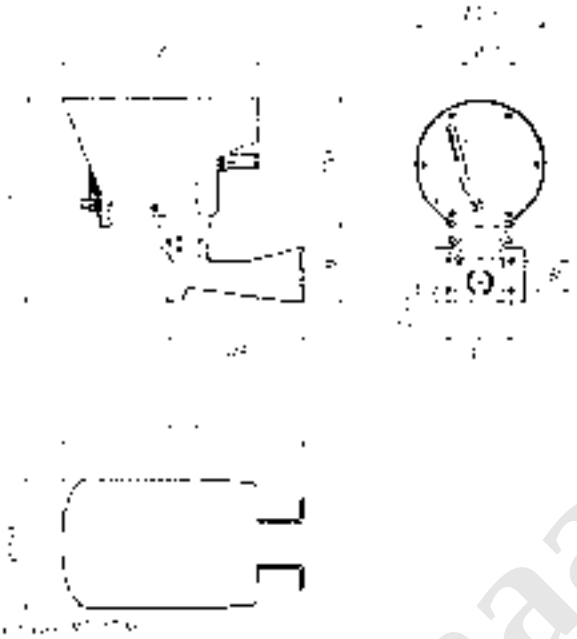
@elshaymaa.nasser7483

NVR WITH SONY FCB-EV7520 CAMERA CONFIGURATION OPTIONS

	Voltage	Camera	Options		Remote
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TECHNICAL DRAWINGS

The indicated measurements are expressed in millimetres



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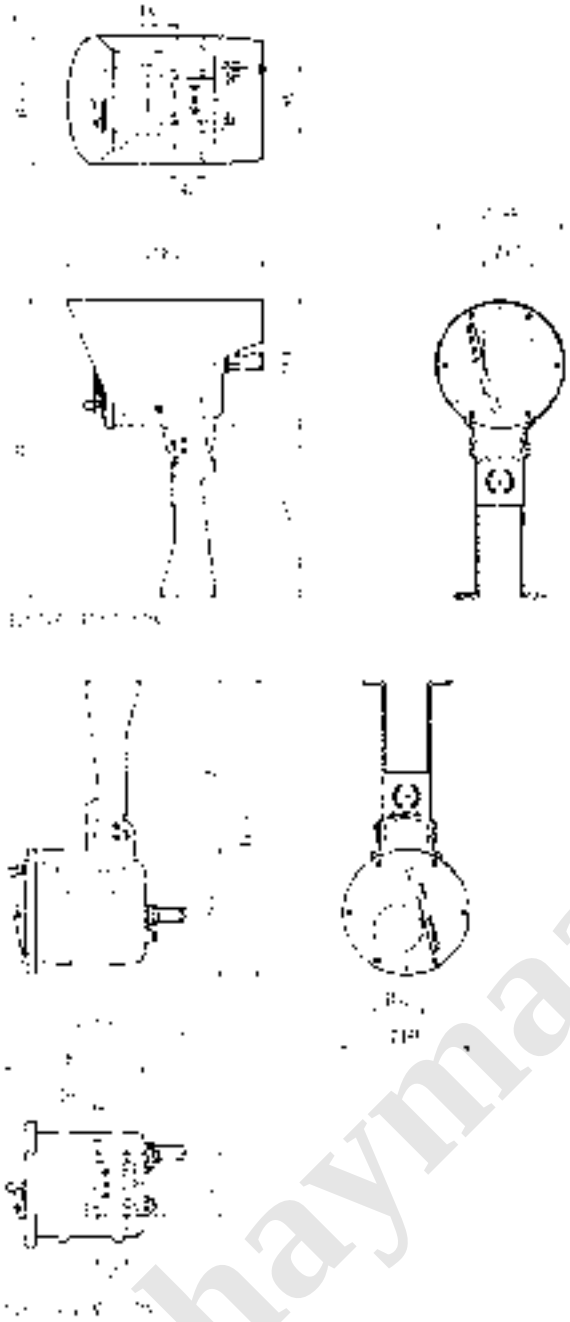

@elshaymaa.nassar/7483

ExSite® Enhanced Explosionproof Camera System

HIGH RELIABILITY, FULL HD FIXED IP SYSTEMS

EXSITE ENHANCED FIXED SERIES

@elhaymaa.nassa47483

- Abandoned Object
- Advanced Motion Detection
- Camera Sabotage
- Directional Motion
- Loitering Detection
- Object Counting
- Object Removal
- Stopped Vehicle

@elshaymaa.nassar7483

TECHNICAL SPECIFICATIONS

Resolution			H.264 High Profile (IP GOP structure)		
MPx	Width	Height	Aspect Ratio	Maximum IPS	Recommended Bit Rate (Mbps)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Temperature	Power	
	48 VDC	100-240 V
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

Model	Description	Min (VA / W)	With Heating (VA / W) -45° C	With Heating (VA / W) -55° C	Max (VA / W)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

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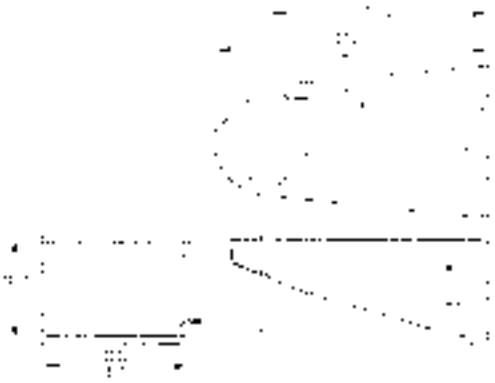
Note: Requires the use of AXM200 for all ExSite 2 Mounted Fixed models

Note: Requires the use of AXM200 for all exSite Enhanced Fixed models.

Mounting Method	Recommended Mounting Surface	Recommended Hardware

AXM200 WALL MOUNT



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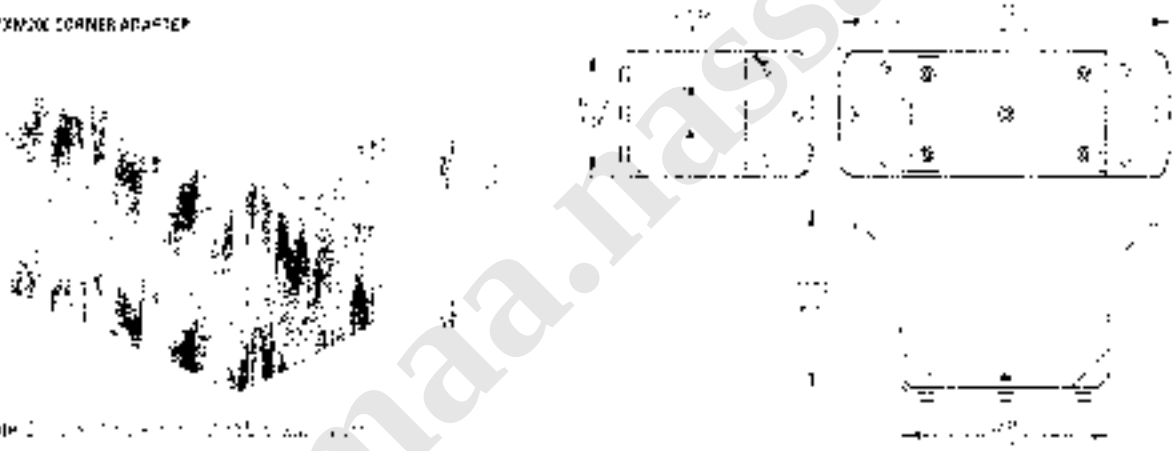
PBM/301F DISTAL MOUNT

CAXM20C CORNER ADAPTER



Note:

FAXM20 PIPE ADAPTER

Note:

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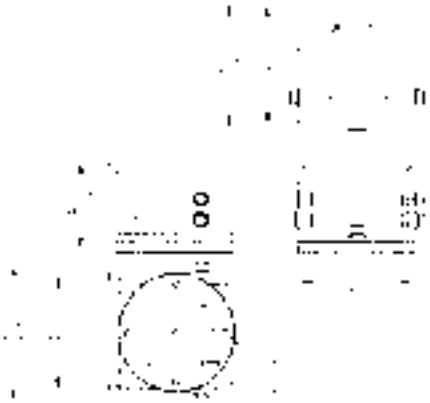
Model Number	PTZ/Fixed	Camera / Lens	Power
[illegible]	[illegible]	[illegible]	[illegible]

Note: [illegible]

AMP30 ADJUSTABLE MOUNT



Pelco
[illegible]
USA & Canada [illegible]
International [illegible]
www.pelco.com

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ExSite® Enhanced 2

Explosionproof Fixed Camera System

Product Features

- Up to 1920 x 1080p Resolution Wide Dynamic Range (WDR)
- Multi-Stream H.264 and H.265 IP Video with Smart Compression
- Rated to Operate from -50°C to +60°C (-58°F to +140°F) with ambient convection
- AISI 316L Stainless Steel Electro-Polished Construction
- Standard IP Ethernet Connection
- Full Suite of Built-In Analytics
- Electronic Image Stabilization
- Onvif Profiles S, G and T Conformant
- Certified to IEC Part 15 (CE, cULus, UL, CES-003, RCM, Rs)
- Hazardous Location Certifications (IECEx, ATEX, INMETRO, EAC Ex, cULus)

Camera System

ExSite® Enhanced 2 Series is purpose-built to monitor operations and control processes in hazardous locations with risks of explosion due to the presence of flammable vapors or dust. Rugged outdoor cameras available in fixed, fixed compact and PTZ models, stringent explosion proof and dust ignition proof requirements while complying with international standards (UL, CSA, ATEX, IECEx, EACEx).

Provide security operators crisp and clear video with 360° optical zoom, wide WDR, and low light capabilities for challenging lighting conditions common to hazardous areas. The ExSite® Enhanced 2 Series is built to survive in the harshest conditions, rated IP69 to protect from water, dust and high and low temperatures with an operating range of -50 to +60°C. The series has stand-alone corrosive number 4.

ExSite® Enhanced 2 Series cameras are easy to install and adaptable to most operational needs. ExSite® Enhanced 2 Series cameras support a range of input power options. ExSite® Enhanced 2 Series cameras also come standard with a pendant sun shroud, capturing accurate video regardless of the weather.

The ExSite® Enhanced 2 Series provides industry-leading image quality using Full HD 1080p cameras providing up to 60 images per second. The camera's image defog capability increases video quality in poor visibility conditions and 10 noise filtering is available.

Video

ExSite® Enhanced 2 Series cameras provide flexible streaming options. The primary stream can be configured at H.265, H.264 High or Main profiles, or MJPEG formats. It can be configured to a variety of frame rates and variable bit rate to optimize image quality with bandwidth and storage.

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Differencing Smart Compression is available on both H.264 and H.265 for reducing storage and bandwidth utilization.

Open and Integrated

Esprit Enhanced 2 Series cameras easily connect to Pelco's digital video management systems such as Digital Sentinel. Esprit Enhanced 2 Series cameras integrate with digital display systems through the ONVIF Profile S, Profile G, and Profile T standards.

Standard Web Interface

Pelco cameras use a standard web browser interface for easy remote setup and administration. The interface is optimized for convenient one-step configuration for features including color, exposure, lens control, lens digital compensation, and streaming.

Pelco Analytics

Esprit Enhanced 2 Series cameras feature the industry's most advanced analytics technology.

Basic Analytics

Esprit Enhanced 2 Series cameras feature two basic video analytics including Simple Motion Detection and Camera Sabotage.

Simple Motion Detection: These algorithms allow the camera to record or send an alarm when there is motion detected in selected zones within the entire scene.

Camera Sabotage: An alarm is generated if the lens is obstructed or when the camera is moved.

Pelco Smart Analytics

Pelco Smart Analytics uses object outlining technologies delivering improved accuracy in both perimeter protection and in crowded, indoor environments. Added processing power enables the Smart Analytics classification of over 50 objects. Objects are classified even when they remain stationary. Pelco Smart Analytics goes beyond people and vehicles to include car, truck, bus, motorcycle, and bicycle classification. Ten different object behaviors can be recognized to create events integrated with many VMS systems.

Objects Detected	Behavior Events	
People	Objects in Area	Objects Enter Area
Vehicles with Classification	Object Loitering	Objects Leave Area
	Objects Crossing Beam	Object Stopped in Area
	Object Appears or Enters Area	Camera Violated
	Object Not Present in Area	

Objects in Area: This event is triggered when the selected object type enters into the region of interest.

Object Loitering: The event is triggered when the selected object type moves in the region of interest and dwells there for an extended amount of time.

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ExSite® Enhanced 2

Explosionproof Fixed Compact Camera System

Product Features

- Up to 3200 x 1800, Resolution Wide Dynamic Range (WDR)
- Multi Stream H.264 and H.265 IP Video with Smart Compression
- Remote Operate Pan -10 °C to +60 °C (-40 °F to 140 °F) with a cold weather
- AISI 316L Stainless Steel Electro Polished Construction
- Standard PTZ Brand Connection
- Up Rugged Built-in Analytics
- Onvif Profile S, G and T Compliance
- Certifications: FCC Part 15 CL, UL / cUL, ICES-003, RCM, IK 9
- Hazardous Location Certifications: IECEx, ATEX, INMETRO, EAC ex, UL/cUL

Camera System

ExSite® Enhanced 2 Series is purpose-built to monitor operations and control processes in hazardous locations with risks of explosion due to the presence of flammable liquids, gases or dust. Rugged outdoor cameras available in fixed, bullet, vandal proof, and PTZ. Models comply with explosion proof and dust-ignition proof equipment standards complying with international standards (UL, CSA, ATEX, IECEx, EACEx).

Improve security operators crisp and clear video footage with zero to wide WDR, and backlight compensation to enable highly improved operations common to hazardous sites. The ExSite® Enhanced 2 Series is built to survive in the harshest conditions, rated IP66 & protects from water, high and dust and low temperatures with an operating range of -40 to +60°C. It is also resistant to corrosive elements.

ExSite® Enhanced 2 Series cameras are easy to install and adaptable to most operational needs. ExSite® Enhanced 2 Series cameras support a range of input power options. ExSite® Enhanced 2 series cameras also come standard with a sun shroud, protecting against radiation and rain of the weather.

The ExSite® Enhanced 2 Series provides industry-leading image quality using a Full HD 1080p camera producing up to 60 frames per second. The camera's analog video capability increases versatility in poor visibility conditions and 3D noise filtering is available.

Video

ExSite® Enhanced 2 Series cameras provide flexible stream options. The primary stream can be compressed with efficient H.265, H.264 High or Main profiles, or MJPEG formats. It can be configured to a variety of frame rates and variable bit rates to optimize image quality with bandwidth and storage

@elsharaa.hassan7483

also now Smart Compression is available on the H.264 and H.265, minimizing storage and bandwidth utilization.

Open and Integrated

Exsite Enhanced 2 Series cameras are easily connected to Pelco video management systems such as Velocity or ExSite Enhanced 2 Series cameras can also be integrated with third-party systems through the ONVIF Profile S, Profile G, and Profile T specifications.

Standard Web Interface

Pelco cameras use a standard Web browser and IP for easy remote setup and administration. Controls are organized for convenient one-stop camera configuration of features in both color and monochrome, including compression, and streaming.

Pelco Analytics

Exsite Enhanced 2 Series cameras feature Pelco's most advanced analytics technology.

Basic Analytics

Exsite Enhanced 2 Series cameras feature basic video analytics such as Simple Motion Detection and Camera Sabotage.

Simple Motion Detection: These analytics allow the camera to record or send an alarm when there is motion detected in a selected area or over the entire scene.

Camera Sabotage: An alarm is triggered if the lens is obstructed or when the camera is repositioned.

Pelco Smart Analytics

Pelco Smart Analytics uses object detection AI technologies delivering improved accuracy in both outdoor and indoor environments. Added processing power enables tracking and classification of small objects. Objects can be tracked even when they remain stationary. Pelco Smart Analytics gives beyond people and vehicles to include cars, trucks, buses, motorcycles and bicycles classification. Two different object behaviors can be recognized to create events integrated with many VMS systems.

Objects Detected	Behavior Events	
People	Objects in Area	Objects Enter Area
Vehicles with Classification	Object Loitering	Objects Leave Area
	Objects Crossing Beam	Object Cross in Area
	Object Appears or Leaves Area	Direction Violation
	Object Not Present in Area	

Objects in Area: This event is triggered when the selected object type moves into the region of interest.

Object Loitering: The event is triggered when the selected object type moves into the region of interest and then stays for an extended amount of time.

@elshayma.hassan/7483

Hazem Hassen

From: Mohamed Chawa <[illegible]>
Sent: Sunday, December 25, 2022 12:15 PM
To: Hazem Hassen; mahmedsca@gmail.com
Cc: Tarek Ghoneb; [illegible]
Subject: RE: Ferry Boats CCTV system (tender no. 109-528/2666)

Dear All,
Hope this mail finds you well.
Regarding to our site survey, kindly find below our clarifications

1. [illegible] 24 [illegible]
2. [illegible]
3. [illegible] Out door rack [illegible]

[illegible]

BR,
[illegible]

From: Hazem Hassen <hazem.hassan@suezcanal.gov.eg>
Sent: Monday, December 19, 2022 10:30 AM
To: mahmedsca@gmail.com
Cc: Tarek Ghoneb <tarek.ghoneb@suezcanal.gov.eg>; [illegible]
Subject: Ferry Boats CCTV system (tender no. 109-528/2666)

[illegible]

[illegible]

[illegible]

SUEZ CANAL

[illegible]
IT Procurement Engineer
[illegible]

@elshaymaa.nassar7483

ACTIVE

ملاحظات وإستفسارات بخصوص المناقصه المحدوده رقم 3656/528-109

لتوريد وتركيب كاميرات مراقبه للمعديات التابعه لإدارة الكراكات بالإسماعيليه

السادة / إدارة التموين – هيئة قناة السويس.

تحيه طيبه...

بعد دراسة المواصفات الفنيه المطلوبه وعمل المعينات اللازمه للمناقصه موضوع الخطاب. نود الاستفسار وإبداء الملاحظات التاليه حتى نتمكن من تقديم أنسب الحلول المطابقه لتنفيذ المشروع على أكمل وجه.

أولاً : ملاحظات من المعاينه

1 – هل يوجد امكانية لمد الكابلات داخل فيكسبل محقق على مسار الكابلات الخاص بالمعديه وهو الأسرع؟ أم أن استخدام مواسير الاستانليستيل هو الزامي طبقاً للمواصفه في كل المسارات وهل يوجد لك مسمى له مقصود **AMT** .. برجاء التوضيح؟

2 – هل ستتمكن من التخريد واللحام لتثبيت المواسير والمسندات المطلوبه لانجاز العمل؟

3 – من المفروض بعملية اللحام ان تم التوافق عليها (ويرس اليبيه) ام الشركه المنفذه ومن سيتحمل التكلفه؟

4- في حالة اضافة ماست للكاميرا – هل يمكن إستخدام مواسير مخفيه ومرشوشه الكترو ستاتيك – ام يلزم ماسورة من الاستانليستيل؟

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5 – بعد المعاينه وجد ان حجم "**43** بوصه ثلاثيه" غير مناسب نظرا لصغر حجم غرفة التحكم وكذلك سيعيق الرؤيه بالنسبه لفنى المعمليه وهو الامر المرفوض من قبل الهيئه – يفضل فى هذه الحاله تقليل حجم الشاشه ومواصفتها حيث ان جودة **4K** لن تكون مناسبه في الاحجام الأقل فنرجاء الافاده

6 – بعد المعاينه لغرفة الفيديو وجد انه لا يوجد مكان للراك داخل غرفة الفيديو والتى تم تحديدها من قبل مهندسى الهيئه كما انه في حالة وضع الراك اعلى غرفة الفيديو سيكون معرض لاشعة "الشمس المباشره" ولن يكون ذلك مناسبا للاجهزه والبطاريات داخل الراك مما يتطلب راك بمواصفه مختلفه. فنرجاء الافاده

ثانيا : ملاحظات من كراسة المواصفات المطروحه

Page 4-
Project Objectives contain the following:

Ad. System components should pass the tests as mentioned in the standard Certificates of these tests should be submitted

مطلوب توضيح

.....

Page 5: contain the following:

1-

All software and operating systems should be the latest versions taking into consideration that SFA has some software agreements and own some licenses that could affect the prices of the licenses

مطلوب توضيح بخصوص ترخيص البرامج الأحدث في الاعتبار – على سبيل المثال فى هذه

.....

2-

@elshaymaa.nassar/7483

[illegible] must withstand the fan's boat vibration.

[illegible] NVR [illegible]

Page 6:

Project items and specifications (NVR)

NVR	• Up to 8 channels (4-8MP each) • 160 Mbps Recording bandwidth • Supports H.265/H.264 • Max 2 HDDs (Max 12TB) • HDMI video out supports UHD (4K) resolution • 8 PoE/IP ports • Support ONVIF for live stream and recording • Sufficient storage size for all camera recordings for minimum period of 15 days with additional 20% of free disk space according to resolution at 25 fps • ONVIF compatibility. • Mouse and keyboard • All software needed and licenses for the operation must be included in the offer upon bidder design. • Any accessories or equipment needed to accomplish the job is responsibility of the bidder.

- هل يمكن تزويد او توفير مواصفات NVR [illegible] تتيح منفذين فقط ؟
  [illegible] الكاميرات 4 والمطلوب حوالي 8 كاميرات ؟
- [illegible] Max 2 HDDs Max 12TB .
- هل [illegible] 12 [illegible] 15 [illegible] مطلوب ؟
- هل [illegible] ؟
- هل [illegible] Video compression H.264 or H.265 ؟

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- The security solution should be approved by vendor.

يرجى توضيح ما هو شكل الحلول المطلوب ؟

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All outdoor cables should bear harsh environments, bending, salt water, high temperature and high humidity.

و حدول الكميات موضح الاتي

Outdoor Cable, S/FTP (shielded), LSZH,23AWG Solid Copper, Smoke Zero, 3/ ROLL Halogen-Free Flame, Conductor Material: Bare copper, UV resistant for outdoor, 305M

يرجى التوضيح الكامل المطلوب:

LSZH (this specs for indoor application)? Or UV resistant (this for outdoor applications)?

لذا نأمل التفضل بالنظر والتنبيه باللازم نحو موافاتنا بموعد إنعقاد لجنة الإستفسارات الفنية قبل موعد لجنه فض المظاريف الفنيه والماليه بوقت كاف حتي نتمكن من تقديم العروض الماليه والفنيه للمنافسه محل الفحص أو موافاتنا بالرد علي استفساراتنا كتابتا علي الإيميل الخاص بالشركه .

وتفضلوا بقبول فائق الاحترام ...

تحريرا في : 2022-12-1

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FERRY BOAT SURVEILLANCE PROJECT CLARIFICATIONS

- CCTV Remarks:
  1. Please advise if galvanized conduits will be accepted instead of stainless-steel tubes or not
     Noting: galvanized conduits were installed in other ferry boats
  2. It was recommended during a site survey to propose a monitor at 24 inches or 32 inches instead of 43 inches, please confirm.
  3. Please advise if acceptable to propose a normal NVR as an optional item.
  4. Please advise if RIAD is required or not

- Network Remarks (Passive Components)
  1. Please advise if the required UTP copper cable is CAT6 or CAT6A?
  2. please confirm that the proposed copper cables will be LSZH cables.
  3. please confirm that the proposed patch panel will be for four ports
  4. It was mentioned in BOQ, that the quantity of Roll cable is 17 rolls, each roll is 305 meters therefore the total length of required cable is 5185 meters.
     Based on the above, please confirm that it will be accepted to propose 11 rolls, each roll is 510 meters in the case of CAT6A
  5. Please confirm that 9U rack will be accepted if 40% capacity free is achievable

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