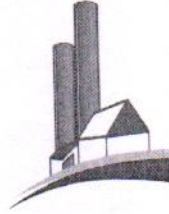


المملكة الأردنية الهاشمية

شركة العامة الأردنية للصوامع والتموين



المساهمة العامة المحدودة

دعوة عطاء

توريد وتركيب وتشغيل نظام مراقبة تلفزيونية

رقم (2022/10/32)

(Handwritten signature)

شروط دعوة عطاء رقم (2022/10/32)

ترغب الشركة العامة الأردنية للصوامع والتموين بطرح عطاء شراء نظام مراقبة تلفزيونية

الشروط العامة:-

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- 1- يلتزم المناقص بإرفاق شيك مصدق أو كفالة بنكية بقيمة (3%) من قيمة العرض وذلك ككفالة دخول عطاء.
- 2- أ/ يعتبر المناقص مستنكفاً وتصادر الشركة كفالة دخول العطاء في الحالات التالية:-
 1. عدم حضوره لإدارة الشركة خلال يومين من تاريخ دعوته بأي وسيلة لغايات تبليغه قرار الإحالة.
 2. عدم تقديمه لكفالة حسن تنفيذ.
 3. رفضه تبليغ قرار الإحالة.
- ب/ يعتبر المناقص مستنكفاً وتصادر كفالة حسن التنفيذ في حال رفضه التوقيع على الإتفاقية خلال المدة المنصوص عليها في دعوة العطاء.
- 3- يلتزم المتعهد الذي تحال عليه المناقصة بتقديم كفالة حسن التنفيذ (10%) من قيمة العطاء على شكل كفالة بنكية أو شيك مصدق (مع ذكر عبارة تجدد تلقائياً على الكفالة).
- 4- يلتزم المتعهد الذي تحال عليه المناقصة بتقديم كفالة صيانة (5%) من قيمة العطاء على شكل كفالة بنكية أو شيك مصدق (مع ذكر عبارة تجدد تلقائياً على الكفالة) وذلك بعد الاستلام النهائي .
- 5- في حال تم توجيه إنذار نهائي للمتعهد واستمر بالمخالفة وعدم التقيد بشروط الإتفاقية، للشركة الحق في إنهاء العقد ومصادرة كفالة حسن التنفيذ.
- 6- تكون أجور الإعلانات بالصحف المحلية على من يرسو عليه العطاء مهما تكررت مرات الاعلان.
- 7- يلتزم المناقص بدفع الرسوم والطابع واجور الاعلان عند تبليغه قرار الإحالة وقبل توقيع الإتفاقية.
- 8- الشركة غير ملزمة بأقل الأسعار كشرط للإحالة.
- 9- يحق للجنة الشراء إستبعاد كافة العروض غير الواضحة وغير المعززة بكفالة الدخول المطلوبة.
- 10- يحق للجنة الشراء الغاء العطاء دون ذكر الاسباب.
- 11- قيمة نسخة العطاء (125) مائة وخمسة وعشرون دينار غير مستردة.
- 12- آخر موعد لتقديم العروض الساعة الثانية من مساء يوم الاربعاء الموافق 2022/11/9 في موقع ادارة الشركة الكائن في عمان منطقة خلدا مبنى ادارة المساهمات الحكومية - شارع الحكم بن عمرو بجانب مدارس اكاديمية عمان - خلف مطاعم عالية المركزي عمارة رقم 22 الطابق الاول.

- 13- إذا أخل المتعهد أو خالف أو تخلف أو قصر أو عجز عن متطلبات العطاء فإن للشركة الحق بإتخاذ الإجراءات التالية بحقه:-
- a. فسخ الإتفاقية ومصادرة كفالة حسن التنفيذ كلياً أو جزئياً.
- b. إحالة العطاء على متعهد آخر وتضمين المتعهد الأصلي فرق الأسعار.
- ج- تغريم المتعهد بما يتناسب مع الخلل والضرر الذي سببه للشركة.
- 14- تعفى الشركة من ضرورة إرسال إنذار أو اخطار عدلي أو أي إجراء قضائي قبل ممارسة حقوقها المنصوص عليها بدعوة العطاء والاتفاقية اللاحقة.
- 15- إذا نشأ خلاف أو نزاع بشأن العقد فإنه يبيت فيه عن طريق المحاكم الأردنية إلا إذا رغبت الشركة أن يبيت فيه عن طريق التحكيم الأردني المعمول به وقت نشوء الخلاف.
- 16- القوة القاهرة حسب مبادئ القانون الأردني المعمول به وقت نشوء النزاع أو الخلاف.
- 17- لا يحق للمتعهد المطالبة بأية زيادة بالأسعار خلال فترة العقد مهما كانت الأسباب.
- 18- تصدر كفالة حسن التنفيذ إذا استتف المتعهد عن التوقيع على الإتفاقية أو تنفيذها وتعاد هذه الكفالة الى المتعهد بعد إنتهاء مدة العقد وتنفيذ كامل شروط الإتفاقية وإستكمال كافة حقوق الشركة.
- 19- يلتزم المتعهد بالتوقيع على الإتفاقية خلال عشرة أيام من تاريخ إبلاغه شفويماً أو خطياً بقرار الإحالة.
- 20- يلتزم المناقص بالعرض المقدم منه لمدة (90) يوم من تاريخ فض العروض .
- 21- يعتبر العرض المقدم من المناقص بمثابة اقرار خطي منه باطلاعة على كافة وثائق هذا العطاء وعلى جميع الشروط الواردة فيها.
- 22- يلتزم المتعهد باعادة دعوة العطاء موقعه ومختومه حسب الاصول دون اي تعديل او كشط او استثناء لأحد البنود وخلاف ذلك يعتبر العرض مخالفا لشروط دعوة العطاء وسيتم استبعاده.
- 23- يتم استقبال الاستفسارات على البريد الالكتروني (MohGadi@Josilos.com) ونسخة الى (Support@Josilos.com) وسيتم الرد على جميع الاستفسارات او اصدار ملحق خاص اذا اقتضت الحاجة .
- 24- يعتبر الموقع الالكتروني هو احدى وسائل الاعلان عن الملاحق وردود الاستفسارات.

المدير العام

م . عماد الطراونة

الشروط والمواصفات الخاصة

• المقدمة

ترغب الشركة العامة الاردنية للصوامع والتموين بشراء نظام مراقبة تلفزيونية لكل من فرع الجويده وفرع الشمال وفرع مطحنة الجويده .

تدعو الشركة العامة الاردنية للصوامع والتموين المناقصين المختصين للتقدم لمشروع توريد وتركيب وتشغيل نظام الحماية وضبط الجودة بكاميرات المراقبة التلفزيونية مع كل مايلزمها من بنية تحتية واجزاء اخرى .

• مدة العطاء

120 يوما تقويميا من تاريخ استلام الموقع واعتماد المخططات الهندسية التنفيذية من المهندس المشرف شاملة التوريد والتركيب والتشغيل.

• الكفالة والصيانة :

1. يلتزم المناقص بكفالة النظام بكافة اجزائه وصيانتها لمدة 36 شهرا تقويميا بالاضافة الى التزامه بتوفير قطع الغيار لمدة خمسة اعوام من تاريخ التسليم مع توفير جميع التحديثات اللازمة للنظام خلال الفترة .
2. يلتزم المناقص بتقديم عرض سعر منفصل لصيانة النظام عن كل سنة بعد الصيانة المجانية شاملة المواد بحيث يكون العرض ملزما للمنفذ وغير ملزم للمالك
3. يلتزم المناقص بتقديم قائمه منفصلة بكميات قطع غيار حسب حاجه المشروع (Spare Part List) بحيث تكون الاسعار ملزمة للمناقص خلال فترة الصيانة المجانية.
4. في حال اعطال احدى مكونات النظام اثناء سريان فترة الصيانة ، تلتزم الشركة المحال عليها العطاء باستبداله مصنعا بحد اقصى 45 يوما على ان يتم تركيب مايكافنه لحين استبداله .
5. يلتزم المنفذ باجراء الصيانة الدورية للنظام اثناء فترة الصيانه ضمن تقارير موقعية موقعه .
6. يلتزم المنفذ باصلاح الاعطال خلال 48 ساعة من الابلاغ عنه خطيا او من خلال البريد الالكتروني .وخلاف ذلك يغرم عن كل يوم تأخير قيمة المواد المعطلة لمدة 10 ايام كحد اقصى وفي حال عدم الالتزام او الاستجابة يغرم قيمة الماده وما يترتب عليها من اعطال او اضرار اخرى.

• الاتصال و التواصل:

تتم عمليات الاتصال و التواصل من خلال الاشراف ومدير المشروع المعين من المالك وبواسطة البريد الالكتروني يتم تحديده عند بدء التنفيذ.

• أسس التقييم

1. العرض المالي : 35 % من العلامة الكلية .
2. العرض الفني : 65 % من العلامة الكلية وعلامة النجاح به بتحقيق 80% شريطة النجاح بكل مائه.

• اسس التقديم

يقدم المناقص العرض ضمن مغلف واحد مختوم .

معنون بالصيغه التاليه :

- اسم الشركه (الشركه العامة الاردنية للصوامع والتموين)
- اسم العطاء (.....)
- رقم العطاء (.....)
- اسم الشركة المتقدمة للعطاء (....)

وان يحتوي المغلف بداخله على مغلف العرض المالي ومغلف العرض الفني مختومين.

1- العرض الفني :

يجب على المناقص ان يُضَمِّن في عرضه الفني ما يلي :

1. المخططات التوضيحية العامة والتي تبين الاتصال وشروحات التركيب لجميع مكونات النظام لكل فرع.
2. كشف المطابقة معاً ومختوم لكل صفحة .
3. النشرات الفنية مختومة وموضحة المواصفة المطلوبة.
4. قائمة تحتوي على مكونات النظام لكل فرع موضحة الكميات ووصف البند والمنشأ .
5. كشف خبرات الشركة السابقة وتفاصيل الاتصال لثلاثة مشاريع مشابهه على الاقل وفريق عمل المشروع .
6. اثبات العلاقة بين المناقص والشركة المصنعه او الوكيل المختص المحلي.

2- العرض المالي

يجب على المناقص ان يُضَمِّن في عرضه المالي ما يلي :

1. الاسعار بالدينار الاردني شاملة جميع الرسوم والضرائب والجمارك واي عوائد حكومية اخرى .
2. يجب ان تكون الاسعار صالحة لمدة 90 يوم
3. يجب عرض الاسعار الافرادية لكل بند والاجمالي لجميع البنود.
4. لا يحق للمناقص تقديم اكثر من عرض للبند الواحد ضمن العرض المالي الواحد .
5. العرض المالي يشمل التوريد والتركيب والتشغيل والتسليم .
6. فترة التوريد والتركيب والتشغيل وانتهاء الاعمال .
7. يجب تقديم العرض مفصلا لكل موقع (فرع الشمال ، فرع الجويده ، فرع مطحنة الجويده).
8. تقديم كلفة التدريب الخارجي ضمن العرض المالي بشكل منفصل وغير ملزمه للمالك

• التوريد والاستلام

1- التوريد :

1. التوريد الجزئي مسموح شريطة توفير مستودع من قبل الفرع المعني وان يكون مؤمناً من قبل المتعهد بكاميرات مراقبة وكل ما يلزم لتأمينها ، دون ادنى مسؤوليه على المالك .
2. يقوم المناقص بتوريد المواد من خلال سندات توريد لأغراض التركيب والدفعات او الكفالات المترتبة على اثبات التوريد فقط .
3. يجب ان تكون المواد صالحة وجديدة 100% .
4. التوريد يجب ان يكون تحت اشراف لجنة .

2- التسليم وانتهاء الاعمال

• التسليم المبدي (التشغيل التجريبي)

1. عند انتهاء اجمالي الاعمال يحق للمناقص طلب تسليم مبدي على ان تقوم الشركة العامه الاردنيه للصوامع والتموين بتشكيل لجنة استلام ويعتبر تاريخ قبول طلب الاستلام من قبل الاشراف تاريخا مرجعيا للاستلام والغرامات على ان يكون القبول او الرفض خلال 7 ايام عمل .
2. يحق للمناقص انتهاء الملاحظات خلال 10 ايام عمل من تاريخ صدور كشف الملاحظات دون التغريم ولجميع الفروع او احدها في حال تمت الاحالة الجزئية .
3. يحق للمالك تغريم الشركة المنفذة الملاحظات غير المنجزة بعد الانتهاء من الفترة اعلاه او تمديد الفترة حسب قرار اللجنة مع ابقاء حق المالك بالتغريم على التأخير المترتب على ذلك.

4. يُغرم المنفذ مبلغ 500 دينار عن كل يوم تاخير على ان لا يزيد عن 15% من قيمة العطاء.

• التسليم النهائي

1. تقديم مخططات نهائية (as built shop drawings).
2. تسليم كفالة الصيانة حسب الاصول والتعليمات .
3. تسليم الفواتير الاصلية من الشركة المحلية حسب الاصول .
4. محاضر التسليم المبني موقعه من لجنة الاستلام .

• الاوامر التغييرية

1. يحق للمناقص المحال عليه التقدم بطلب استبدال مادة او تعديل مخطط او اي تعديل اخر ضمن فترة 7 ايام من تاريخ الاحالة . على ان يتم رفض او قبول الامر التغييري من خلال لجنة الاشراف وخلال 7 ايام من تاريخ تقديم الطلب ولا يحق للمناقص طلب تمديد جراء هذا الاجراء .
2. يغرم المناقص 150 دينار لكل امر تغييري مقترح بعد الفترة اعلاه .

• التدريب

1. التدريب المحلي : يلتزم المناقص بتدريب ثلاثة اشخاص على جميع مكونات النظام وتشغيله لكل موقع .
2. التدريب الخارجي : يلتزم المناقص بعقد دورة في موقع الشركة المصنعه لنظام الكاميرات او ما يكافئها اقليميا . لأربعة اشخاص شامل جميع مصاريف السفر والنقل والاقامة وتكاليف عقد الدورة لمدة 7 ايام .

• الشروط الخاصة

1. يعامل المشروع كوحدة واحده غير قابلة للتجزئة (توريد والتركيب والتشغيل Turn Key System) ولكل فرع
2. تقديم واعتماد المخططات التنفيذية للشركة المحال عليها العطاء خلال مدة اقصاها 7 ايام من تاريخ الاحالة . (Shop Drawings Riser Diagram)
3. فحص التاريض للخزائن مسؤولية الشركة المنفذة .
4. ربط جميع اجهزة الشبكات (Switches) من خلال شبكة الفايبر .
5. على الشركة المحال عليها العطاء تمديد كوابل الطاقة من نوع (4mm * 3 Power Cable) وتقديم جدول حسابات الطاقة .
6. جميع الكاميرات يجب ان تدعم خاصية (Artificial Intelligence AI)
7. فحص وترقيم الكوابل مسؤولية الشركة المنفذة و بالشكل الانسب .
8. سلامة طاقم التنفيذ بالمشروع مسؤولية الشركة المنفذة .
9. يجب على المقاول استخدام نماذج التسليم المعتمدة لاحقا .

10. يجب على الشركة المنفذة استخدام النماذج الخاصة لتسليم المناطق جزئيا والمعتمدة لاحقا .

11. على الشركة المنفذة تقديم خطة عمل متضمنة جدول زمني ومتبعه ذلك بتقارير عمل دوريه بحد اقصى 15 يوما متضمنة ما يلي (البنية التحتية من اعمال حفر وتمديدات ارضية وتوابعها من اعمال تمديدات كهربائيه وشبكات ، التوريد والتزويد ، التركيب والتشغيل التجريبي ، التشغيل النهائي والتسليم) متتالية او متزامنة

12. يجب تركيب Wall Mount 50 CM bracket لجميع الكاميرات من نوع Outdoor (Short Lens) Bullet Network Camera

13. على الشركة المنفذه الالتزام بأعمال التمديدات الكهربائيه والاعمال المدنية على النحو التالي :

- تمديدات كوابل (Cat 6) لا تزيد عن 90 متر.
- استخدام مواسير معدنية مغلفنه قطر 25 ملم مع ما يلزم من اكسسوارات لجميع التمديدات الخارجية دون ارتفاع 6 م .
- استخدام مواسير بلاستيكيه لون ابيض ضغط عالي (Heavy Gauge min. 1.85) مع ما يلزم من اكسسوارات للتمديدات الخارجيه و ترك (25/16 ملم) او حسب الحاجة مع الغطاء وكل ما يلزم من اكسسوارات للتمديدات الداخلية و حسب تعليمات المهندس المشرف.
- حفر الترنشات بعمق 60 سم وعرض 20 سم ، متضمنة 2*1 انش UPVC وطمرها برمل صويلح من الاسفل 10 سم على الاقل ومن الاعلى 30 سم على الاقل مع وضع شريط تحذيري و اعادة الاوضاع كما كانت . و حسب تعليمات المهندس المشرف
- وضع مناهل 45*45 سم (Heavy Duty) بعمق 60 سم خرساني بحيث تكون سماكة جدرانه 20 سم ذو حلق حديدي من الاعلى زوايه وله غطاء معدني سكب صنف ثقيل في مناطق حركة الشاحنات ، مع ضمان تصريف المياه ، و حسب تعليمات المهندس المشرف .
- يمنع استخدام التمديدات الهوائية او استخدام نظام اللاسلكي (wireless) او التمديدات الغير دائمة باي حال من الاحوال .

14. يحق للجنة الفنية استبعاد اي مناقص يخالف احد شروط العطاء او متطلباته الرئيسية .

15. يحق للشركة العامة الاردنية للصوامع والتموين الاحالة جزئيا اوكلها لجميع الفروع او احدها .

16. المخططات المرفقه بدعوه العطاء توضيحية فقط لاغراض التسعير وبيان مواقع الكاميرات وربط السوتشات.

17. تعتمد المواصفات ثم جداول الكميات ثم المخططات التوضيحية

18. على المناقص الالتزام بمواعيد الكشف الحسي التالية :

الفرع	تاريخ	الساعة
الجويده	2022/10/24	الحادية عشر صباحا
مطحنة الجويده		
الشمال	2022/10/25	الحادية عشر صباحا

- المواصفات الفنية وجداول المطابقة:
- جدول الكميات :

1- مجمع صوامع الشمال

-i جداول المواصفات والمطابقة الفنية – مجمع صوامع الشمال

5MP 36X PTZ Network Camera:		Qty.:	2	
Specs	Comply	Note	Percentage	
	Yes / No			
H.265/H.264+/H.264/MJPEG, Min 30/25fps@ (5) MP , Multi Stream			10	
1/2.8" Progressive Scan Sony CMOS, ICR filter with auto switch, true day/night			5	
Auto Iris, Auto focus, True WDR (120 dB), 0.01 Lux, B/W: 0Lux with IR on			10	
3D Positioning, Pan 360, Tilt, auto flip, with 36X Optical Zoom, 16x digital zoom			5	
300-400 M Smart IR			5	
Integrate 1*RJ45 10M/100M POE Ethernet Port, Auxiliary: AC / DC power , Reset Push button, 1/1 Alarm input /output interface , power supply should include			5	
Motion Detection, Auto Tracking, Video Loss, AI Functions			10	
ROI, Digital Image Stabilization, 4 Privacy masking areas, BLC, HLC, Defog, AWB, IP Address Filtering, AGC, 2D DNR&3D DNR , S/N : >55dB,			10	
256G Micro SD / SDHC / SDXC card with ANR Function. 64 G should include			5	
ONVIF Profile S & G and T			5	
IP66, IK 10 , Operating Temperature -30~50 C			10	
FCC and CE Should be Submit , 3 Years Factory warranty			10	
Additional Recommended option or more advance specs			10	
Approved %, with condition AI function				90%

5MP Long Lens (7-22) mm outdoor Bullet Network Camera:		Qty.: 48	
Specs	Comply	Note	Percentage
	Yes / No		7%
H.265/H.264+/H.264/MJPEG, Min 30/25fps@ (5) MP, Multi Stream			10
1/2.8" Progressive Scan Sony CMOS, ICR filter with auto switch, true day/night			10
Auto Iris, Auto focus, True WDR (120 dB), 0.01 Lux, B/W: 0Lux with IR on			10
7-22mm Optical Zoom, 16x digital zoom			5
100-120m Smart IR			5
Integrate 1*RJ45 10M/100M POE Ethernet Port, Auxiliary: DC 12V±10%, Reset Push button, 1/1 Alarm input /output interface			5
Motion Detection, Tripe Wire (Line Cross), Video Loss, AI Function			10
ROI, Digital Image Stabilization, 4 Privacy masking areas, BLC, HLC, Defog, AWB, IP Address Filtering, AGC, 2D DNR&3D DNR, S/N: >55dB,			5
256G Micro SD / SDHC / SDXC card with ANR Function. 64 G should include			5
ONVIF Profile S & G & T			5
IP67, Vandal Proof, with metal Back Box, Operating Temperature -30~50 C			10
FCC and CE, should be submit and 3 Years Factory warranty should be submitted			10
Additional Recommended option or more advance specs			10
Approved % with condition AI function			90%

5MP (2.8-12) mm outdoor (Short Lens) Bullet Network Camera:		Qty:	83	
Specs	Comply	Note	Percentage	
	Yes / No			8%
H.265/H.264+/H.264/MJPEG, Min 30/25fps@ (5/4/3/2) MP, Multi Stream			10	
1/2.8" Progressive Scan Sony CMOS, ICR filter with auto switch, true day/night			5	
Auto Iris, True WDR (120 dB), 0.01 Lux, B/W: 0Lux with IR on			10	
2.8-12mm Optical Zoom, 16x digital zoom			5	
40-50m Smart IR			5	
Integrate 1*RJ45 10M/100M POE Ethernet Port, Auxiliary: DC 12V±10%., Reset Push button, 1/1 Alarm input /output interface			5	
Motion Detection, Tripe Wire (Line Cross), Video Loss, AI Function			10	
ROI, Digital Image Stabilization, Privacy masking areas, BLC, HLC, Defog, AWB, IP Address Filtering, AGC, 2D DNR&3D DNR S/N: >55dB,			10	
256G Micro SD / SDHC / SDXC card with ANR Function. 64G should include			5	
ONVIF Profile S, G & T			5	
IP67, Vandal Proof, with metal Back box , Operating Temperature -30~50 C			10	
FCC and CE, should be Submitted, 3 Years warranty			10	
Additional Recommended option or more advance specs			10	
Approved %, with condition AI function			90%	

5MP (2.8-12) mm Dome Network Camera:		Qty:	27	
Specs	Comply	Note	Percentage	
	Yes / No			7%
H.265/H.264+/H.264/MJPEG, Min 30/25fps@ (5/4/3/2) MP, Multi Stream			10	
1/2.8" Progressive Scan Sony CMOS, ICR filter with auto switch, true day/night			5	
Auto Iris, True WDR (120 dB), 0.01 Lux, B/W: 0Lux with IR on			10	
2.8-12mm Optical Zoom, 16x digital zoom			5	
40-50m Smart IR			5	
Integrate 1*RJ45 10M/100M POE Ethernet Port, Auxiliary: DC 12V±10%, Reset Push button, 1/1 Alarm input /output interface			5	
Motion Detection, Video Loss, AI Function			10	
ROI, Digital Image Stabilization, Privacy masking areas, BLC, HLC, , AWB, IP Address Filtering, AGC, 2D DNR&3D DNR , S/N :>55dB,			10	
256G Micro SD / SDHC / SDXC card with ANR Function. 64 G should include			5	
ONVIF Profile S , G & T			5	
IP67, Vandal Proof, Operating Temperature -30~50 C			10	
FCC and CE, should be Submitted , 3 Years warranty			10	
Additional Recommended option or more advance specs			10	
Approved %, with condition AI function				90%

Rack cabinet 12U:		Qty:	4	
Specs	Comply	Note	Percentage	
	Yes / No			2%
cabinet should be 12U ,600 mm (width) X 600 mm (depth)			15	
The cabinet should be equipped with at least 2 Fans			10	
19" installation			15	
The cabinet should be equipped with at least 8 ports industry power distribution unit with power switch			15	
Material thick: 19" mounting bar at least 2.0mm, the whole framework at least 1.5 mm and each door at least 1.2 mm			20	
All are made high quality cold roller steel.			15	
comply with earthing requirements.			10	
Approved %				80%

Rack cabinet 24:		Qty:	4	
Specs	Comply	Note	Percentage	
	Yes / No			2%
cabinet should be 24U 600 mm (width) X 800 mm (depth)			15	
The cabinet should be equipped with at least 2 Fans			10	
19" installation			15	
The cabinet should be equipped with at least 8 ports industry power distribution unit with power switch			15	
Material thick: 19" mounting bar at least 2.0mm, the whole framework at least 1.5 mm and each door at least 1.2 mm			20	
All are made high quality cold roller steel.			15	
comply with earthing requirements.			10	
Approved %				80%

42 CCTV LED Screen:		Qty:	6	
Specs	Comply	Note	Percentage	
	Yes / No			5%
Should be Design for CCTV 7/24 use			20	
Metal case			10	
4K Ultra-HD resolution			10	
Min HDMI x 2, VGA x 1, USB			10	
High quality HDMI cable, power cable, Mounting Bracket remote control			10	
Wide Viewing Angle 178 /178			10	
Operating Temperature 0~40 C			10	
FCC and CE approved , 3 Years Factory warranty			10	
Additional Recommended option or more advance specs			10	
Approved %				80%

Rack Server cabinet 42:		Qty:	1	
Specs	Comply	Note	Percentage	2%
	Yes / No			
cabinet should be 42U 800 mm (width) X 1000 mm			10	
The cabinet should be equipped with at least one shelf			10	
The cabinet should be equipped with at least 4 Fans			10	
19" installation on the front and rear for components			10	
The cabinet should be equipped with at least 2*8 ports industry power distribution unit with power switch			10	
Material thick: 19" mounting bar at least 2.0mm, the whole framework at least 1.5 mm and each door at least 1.2 mm			20	
Equipped with rolling foot wheel and fixed leg			10	
All are made high quality cold roller steel.			10	
comply with earthing requirements.			10	
Approved %				80%

Outdoor Galvanized Cabinet:		Qty:	23	
Specs	Comply	Note	Percentage	2%
	Yes / No			
IP55 weather proof 50*40*20 cm with Lock and canopy			20	
2 venation access with changeable filters, 2 Fans			20	
Mounting Bracket Wall /Pole			10	
6 AMP Circuit Breaker			10	
Thermostat with Relay			10	
4 Port Single Mode ODF			20	
Supporting of Made in Jordan (sample Should be approved before installation)			10	
Approved %				80%

4 Meters Pole:		Qty.:	33	
Specs	Comply	Note	Percentage	
	Yes / No			3%
Hot deep Galvanized (4.5-5.5) Inc. diam. 3-4 mm thickness			20	
160KM/H wind speed resistance, wind speed calculation should be submitted			20	
Fuse Box (16 Amp CB if the Pole with Outdoor Panel), inside Cable Managed			10	
RSS Tested			10	
15 years Warranty			10	
Concrete base with (80*50*50 CM)			20	
Supporting of Made in Jordan (sample Should be approved before installation)			10	
Approved %				80%

4K Network Video Recorder:		Qty.:	4	
Specs	Comply	Note		Percentage
	Yes / No			6%
H.265/H.264+/H.264 Video Format ,64 Channels Network Video Input, Dual Stream Recording availability				5
256 Mbps Incoming bandwidth, 256 Mbps outgoing bandwidth				5
8*SATA HDD, 80TB Include, Video surveillance grade				5
32*5MP Camera Synchronous Recording at least				10
Support 32 Camera Synchronous playback				5
RAID0, RAID1, RAID5, RAID6, RAID10, ANR and N+1 Failover				5
2*RJ45 100M/1000M Network Interface, 2x controlled HDMI, Alarm input/ Output (4/4), one VGA				5
Video Playback, Image Playback, Lock Record File, Tag Video and Playback File Management				5
Support multi-level user management,				5
Recording type Manual Recording, Timing Recording, Motion Detection Recording, Alarm Recording, POP UP function is must				5
Alarms: Support Network Disconnected/Disk Full/Record Failed/Disk Error/ Disk alarms				5
Network protocols: TCP/IP, DHCP, DNS, DDNS, NTP, SADP, SMTP, NFS, iSCSI, UPnP, HTTPS, PPPOE				5
VCA support (Line Cross Must) , Alarm Link with VCA should support				5
Support Cameras Setting and configuration.				5
Support Auto Reboot, operating and config. information import/export.				5
Support ONVIF, API, ANPR, AI				5
FCC and CE Should be Submitted , 3 years Warranty				10
Additional Recommended option or more advance specs				5
Approved %, with condition AI function				90%

Failover 4K Network Video Recorder:		Qty.:	2	
Specs	Comply	Note	Percentage	
	Yes / No			6%
H.265/H.264+/H.264 Video Format ,64 Channels Network Video Input, Dual Stream Recording availability			5	
256 Mbps Incoming bandwidth, 256 Mbps outgoing bandwidth			5	
8*SATA HDD, 80TB Include, Video surveillance grade			5	
32*5MP Camera Synchronous Recording min			10	
Support 32 Camera Synchronous playback			5	
RAID0, RAID1, RAID5, RAID6, RAID10, ANR and N+1 Failover			5	
2*RJ45 100M/1000M Network Interface, 2x controlled HDMI, one VGA			5	
Video Playback, Image Playback, Lock Record File, Tag Video and Playback File Management			5	
Support multi-level user management,			5	
Recording type Manual Recording, Timing Recording, Motion Detection Recording, Alarm Recording, POP UP function is must			5	
Alarms: Support Network Disconnected/Disk Full/Record Failed/Disk Error/ Disk alarms			5	
Network protocols: TCP/IP, DHCP, DNS, DDNS, NTP, SADP, SMTP, NFS, iSCSI, UPnP, HTTPS, PPPOE			5	
VCA support (Line Cross Must) , Alarm Link with VCA should support			5	
Support Cameras Setting and configuration.			5	
Support Auto Reboot, operating and config. information import/export.			5	
Support ONVIF, API, CGI			5	
FCC and CE Should be Submitted, 3 years Warranty			10	
Additional Recommended option or more advance specs			5	
Approved %, with condition AI function				90%

Fiber Cable:		Qty.:	LOT	
Specs	Comply		Note	Percentage
	Yes / No			3%
8 Core OM4 – clt / Multi Mode				25
UV resistant jacket, LSZH jacket for Indoor/Outdoor				25
Meeting the TIA/EIA-568-C.3 , ISO/IEC 11801, ITU-T G.652D, IEC 60332-1-2, IEC 60754-1,2 & IEC 61034-2				25
Cable should be terminated on 19 Inch Patch Panels and spliced with Pigtailed inside splice Holders				25
Approved %				100%

CAT6 Cable:		Qty.:	LOT	
Specs	Comply		Note	Percentage
	Yes / No			1%
Cable Shall be Category 6 F/UTP 23AWG cable, 305 meter per box.				20
Comply with ISO 11801 or EIA/TIA 568-B.2				20
Frequency [MHz]: 250 MHz or above.				20
Cable Shall be LSZH				20
The Cable Should be terminated on 19 Inch 24 Ports Patch Panel, Cable Organizer & Patch Cords if connected to 19" Rack Cabinet				20
Approved %				100%

19" Rack Cabinet Cat6 Patch Panel:		Qty.:	LOT	
Specs	Comply		Note	Percentage
	Yes / No			1%
24 Port Modular Patch Panel full loaded				50
1 rack unit height, 19" width				40
Can get up to 24 Category 6 connectors				10
Approved %				100%

19" Rack Cabinet Fiber Patch Panel:		Qty.:	9	
Specs	Comply	Note	Percentage	
	Yes / No			
Shall be spliced box type			1%	
19"/1U, extractable,			20	
Shall include 8 SC Duplex Adapters			20	
Shall include 16 Pigtail OM4, 2 meter length			20	
Shall include spliced tray & cover to host splicing inside the Patch Panel, shall have two cable entry			20	
Approved %			100%	

Fiber cord:		Qty.:	80	
Specs	Comply	Note	Percentage	
	Yes / No			
Shall be SC Duplex to LC Duplex			1%	
LSZH sheath			25	
Min. 1 Meter Length			25	
OM4 Type			25	
Approved %			100%	

Cat 6 patch cord:		Qty.:	180	
Specs	Comply	Note	Percentage	
	Yes / No			
Cable Shall be Category 6 F/UTP cable			40	
1meter length			30	
Low-Smoke Zero Halogen			30	
Approved %			100%	

Organizer:		Qty:	19	
Specs	Comply	Note	Percentage	
	Yes / No			
1 rack unit height			50	
Metal			50	
Approved %				100%

Aggregation Managed Switch 24Ports:		Qty:	1	
Specs	Comply	Note	Percentage	
	Yes / No			
Min 16 port *10/100/1000Base (T RJ45 or X SFP) ports			10	
Min 8*100/1000Base-X SFP ports , (16 Multi Mode SFP Min. Should be include)			30	
Min 4*1/10G SFP+ fiber slot ports			10	
Min. capacity 320Gbps/non-blocking 105 Gbps and throughput 95Mpps			10	
Dual Power Supply			10	
19-inch Rack cabinet installation			5	
ERPS, STP, RSTP, MSTP, IGMP Snooping v1/v2, DHC			5	
IEEE802.3 10BASE-T, IEEE802.3i 10Base-T, IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T, IEEE802.3z 1000Base-X, IEEE802.3ae 10GBase-LR/SR, IEEE802.3x			5	
FCC, CE Certification Should be Submit , 3 Years Factory Warranty			10	
Not end-of-life or end-of-sale			5	
Approved %				90%

24Ports POE Managed Switch:		Qty:	2	
Specs	Comply	Note	Percentage	
	Yes / No			
24*10/100/1000Base-T PoE ports (support Poe/POE+)			30	
4*1/10G uplink SFP+ fiber slot ports (Data) ,(4 Multi Mode SFP Should be include)			20	
360Watt Min Power Budget			20	
19inch Rack cabinet installation			5	
FCC, CE Certification Should be Submit , 3 Years Factory Warranty			10	
ERPS, STP, RSTP, MSTP, IGMP Snooping v1/v2, DHC			5	
IEEE802.3 10BASE-T, IEEE802.3i 10Base-T, IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T, IEEE802.3z 1000Base-X, IEEE802.3ae 10GBase-LR/SR, IEEE802.3x			5	
Not end-of-life or end-of-sale			5	
Approved %				80%

16Ports POE Managed Switch:		Qty.:	7	
Specs	Comply	Note	Percentage	
	Yes / No			
16*10/100/1000Base-T PoE ports			30	
2*Giga uplink SFP+ fiber slot ports (Data) ,(2 Multi Mode SFP Should be include)			20	
240-watt Min Power Budget			10	
19-inch Rack cabinet installation			5	
3 Years Factory Warranty			10	
FCC, CE Certification Should be Submit			5	
ERPS, STP, RSTP, MSTP, IGMP Snooping v1/v2, DHC			5	
IEEE802.3 10BASE-T, IEEE802.3i 10Base-T, IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T, IEEE802.3z 1000Base-X, IEEE802.3ae 10GBase-LR/SR, IEEE802.3x			10	
Not end-of-life or end-of-sale			5	
Approved %				80%

8Ports POE industrial Managed Switch:		Qty:	6	
Specs	Comply	Note		Percentage
	Yes / No			3%
8*10/100/1000Base-T PoE ports (POE/POE+ Support)				30
2*Giga uplink SFP(2 Multi Mode SFP Should be include)				20
180-Watt Power Budget (industrial Power Supply)				10
DIN rail mounting				10
FCC, CE Certification Should be Submit , 3 Years Factory Warranty				15
Not end-of-life or end-of-sale				15
Approved %				80%

4Ports POE industrial Managed Switch:		Qty:	17	
Specs	Comply	Note		Percentage
	Yes / No			4%
4*10/100/1000Base-T PoE ports (POE/POE+ Support)				30
2*Giga uplink SFP (2 Multi Mode SFP Should be include)				20
110-Watt Power Budget (industrial Power Supply)				10
DIN rail mounting				10
FCC, CE Certification Should be Submit ,3 Years Factory Warranty				15
Not end-of-life or end-of-sale				15
Approved %				80%

UPS 6 KVA Rack Mount		Qty:	1	
Specs	Comply	Note	Percentage	
	Yes / No			2%
Input /Output: Single Phase			10	
True Online double conversion			10	
Power Factor 1			10	
Backup time @ full load 15 Minutes power calculations should be submitted before supply			40	
Rack mount			10	
3 Years Factory Warranty, Battery life time 5 years Min			20	
Approved %				90%

UPS 4 KVA Rack mount		Qty:	4	
Specs	Comply	Note	Percentage	
	Yes / No			2%
Input /Output: Single Phase			10	
True Online double conversion			10	
Power Factor 1			10	
Backup time @ full load 15 Minutes power calculations should be submitted before supply			40	
Rack mount			10	
3 Years Factory Warranty, Battery life time 5 years Min			20	
Approved %				90%

PC workstation with CMS Software		Qty.:	1	
Specs	Comply	Note	Percentage	
	Yes / No			1%
CPU Core i7 2.5 4 MP Cache at least			20	
16 GB DDR4			10	
2 * 10/100*1000 ethernet card			10	
1 TB SSD			10	
4GB Dual video Card, 2 HDMI			10	
3 Years Warranty, well-known brand			10	
55-inch LED Wall Mount Monitor with HDMI and power cable,			20	
wireless mouse and keyboard with same brand			10	

Approved %			100%
Gate Station NVR, workstation or Decoder		Qty: 4	
Specs	Comply	Note	Percentage
	Yes / No		1%
Should Support 16 min IP Cameras			25
HDMI output.			25
32-inch CCTV 7/24 Wall Mount Monitor with HDMI and power cable			25
3 Years Warranty,			25
Approved %			100%

8K Panoramic (Fish Eye) Network IP camera Bullet / Dome		Qty: 3	
Specs	Comply	Note	Percentage
	Yes / No		1%
H.265/H.264+/H.264/MJPEG, Min 30/25fps@ (8MP, 3 Streams)			20
1/2.8" Progressive Scan Sony CMOS, ICR filter with auto switch, true day/night			5
True WDR (120 dB), 0.01 Lux, B/W: 0Lux with IR on or better			5
180 Degree 10 Meters IR or better			20
Integrate 1*RJ45 10M/100M POE Ethernet Port, Reset Push button			5
ROI, Digital Image Stabilization, Privacy masking areas, BLC, HLC, AWB, IP Address Filtering, AGC, 2D DNR&3D DNR, S/N: >55dB, E-PTZ			5
256G Micro SD / SDHC / SDXC card with ANR Function. 128G should include			5
ONVIF Profile S & G & T			5
Vandal Proof , Operating Temperature -30~50 C			10
FCC and CE Should be Submit , 3 Years Factory warranty			10
Additional Recommended option or more advance specs			10
Approved %			80%

Control Room Requirements:		Qty:	LOT	
Specs	Comply		Note	Percentage
	Yes / No			1%
Painting with approved colours with Edge Fishing based in site survey				10
4* 20-watt LED lighting fixture ceiling mount with power point				10
8 *Power Points (LED, PC)				10
5 *Data Points				10
10 *10 meters HDMI, 7 *Wireless Mouse and Keyboard				10
1* Control room operator chairs, 1* Console 120 CM,				10
2 * Door Access Control, 1* 250 Kg Magnetic Lock, 1* Strick				15
Air Conditioner Full Inverter Split AC 1.5 Ton				15
PVC Flooring 20 Meter Sequard				10
Approved %				100%

ب- جدول الكميات – مجمع صوامع الشمال

NO	Description	Qty	Unit Price	Total Price
1	Control Room Requirements	LS		
2	8K Panoramic (Fish Eye) Network IP camera Bullet / Dome	3		
3	Gate Station NVR, workstation or Decoder	4		
4	PC workstation	1		
5	UPS 4 KVA Rack mount	4		
6	UPS 6 KVA Rack Mount	1		
7	4Ports POE industrial Managed Switch	17		
8	8Ports POE industrial Managed Switch	6		
9	16Ports POE Managed Switch	7		
10	24Ports POE Managed Switch	2		
11	Aggregation Managed Switch 24Ports	1		
12	Organizer	19		
13	Cat 6 patch cord	180		
14	Fiber cord	80		
15	19" Rack Cabinet Fiber Patch Panel	9		
16	19" Rack Cabinet Cat6 Patch Panel	9		
17	Piping and other accessories	LOT		
18	CAT6 Cable	LOT		
19	Fiber Cable	LOT		
20	Civil Works	LOT		
21	Failover 4K Network Video Recorder	2		
22	4K Network Video Recorder	4		
23	4 Meters Pole	33		
24	Outdoor Galvanized Cabinet	23		
25	Rack Server cabinet 42	1		
26	42 CCTV LED Screen	6		
27	Rack cabinet 24	4		
28	Rack cabinet 12U	4		
29	5MP (2.8-12) mm Dome Network Camera	27		
30	5MP (2.8-12) mm outdoor (Short Lens) Bullet Network Camera	83		
31	5MP Long Lens (7-22) mm out Door Bullet Network Camera	48		
32	5MP 36X PTZ Network Camera	2		
33	Supply, Installation, Testing and commission with all needed accessories التركيب والتشغيل والتسليم	LS		
إجمالي السعر للبنود أعلاه شاملاً ضريبة المبيعات وأي ضرائب حكومية أخرى.				

2- مجمع صوامع الجويذة

ج- جداول المواصفات والمطابقة الفنية – مجمع جويده

5MP 36X PTZ Network Camera:		Qty.:	2	
Specs	Comply	Note	Percentage	%6
	Yes / No			
H.265/H.264+/H.264/MJPEG, Min 30/25fps@ (5) MP, Multi Stream				10
1/2.8" Progressive Scan Sony CMOS, ICR filter with auto switch, true day/night				5
Auto Iris, Auto focus, True WDR (120 dB), 0.01 Lux, B/W: 0Lux with IR on				10
3D Positioning, Pan 360, Tilt, auto flip, with 36X Optical Zoom, 16x digital zoom				5
300-400 M Smart IR				5
Integrate 1*RJ45 10M/100M POE Ethernet Port, Auxiliary: AC / DC power, Reset Push button, 1/1 Alarm input /output interface, power supply should include				5
Motion Detection, Auto Tracking, Video Loss, AI Functions				10
ROI, Digital Image Stabilization, 4 Privacy masking areas, BLC, HLC, Defog, AWB, IP Address Filtering, AGC, 2D DNR&3D DNR, S/N: >55dB,				10
256G Micro SD / SDHC / SDXC card with ANR Function. 64 G should include				5
ONVIF Profile S & G and T				5
IP66, IK 10, Operating Temperature -30~50 C				10
FCC and CE Should be Submit, 3 Years Factory warranty				10
Additional Recommended option or more advance specs				10
Approved %, with condition AI function				90%

5MP Long Lens (7-22) mm outdoor Bullet Network Camera:		Qty.:	68	
Specs	Comply	Note	Percentage	
	Yes / No			6%
H.265/H.264+/H.264/MJPEG, Min 30/25fps@ (5) MP, Multi Stream			10	
1/2.8" Progressive Scan Sony CMOS, ICR filter with auto switch, true day/night			10	
Auto Iris, Auto focus, True WDR (120 dB), 0.01 Lux, B/W: 0Lux with IR on			10	
7-22mm Optical Zoom, 16x digital zoom			5	
100-120m Smart IR			5	
Integrate 1*RJ45 10M/100M POE Ethernet Port, Auxiliary: DC 12V±10%, Reset Push button, 1/1 Alarm input /output interface			5	
Motion Detection, Tripe Wire (Line Cross), Video Loss, AI Function			10	
ROI, Digital Image Stabilization, 4 Privacy masking areas, BLC, HLC, Defog, AWB, IP Address Filtering, AGC, 2D DNR&3D DNR, S/N: >55dB,			5	
256G Micro SD / SDHC / SDXC card with ANR Function. 64 G should include			5	
ONVIF Profile S & G & T			5	
IP67, Vandal Proof, with metal Back Box, Operating Temperature -30~50 C			10	
FCC and CE, should be submit and 3 Years Factory warranty should be submitted			10	
Additional Recommended option or more advance specs			10	
Approved % with condition AI function			90%	

5MP (2.8-12) mm outdoor (Short Lens) Bullet Network Camera:		Qty:	129	
Specs	Comply	Note		Percentage
	Yes / No			7%
H.265/H.264+/H.264/MJPEG, Min 30/25fps@ (5/4/3/2) MP, Multi Stream				10
1/2.8" Progressive Scan Sony CMOS, ICR filter with auto switch, true day/night				5
Auto Iris, True WDR (120 dB), 0.01 Lux, B/W: 0Lux with IR on				10
2.8-12mm Optical Zoom, 16x digital zoom				5
40-50m Smart IR				5
Integrate 1*RJ45 10M/100M POE Ethernet Port, Auxiliary: DC 12V±10%, Reset Push button, 1/1 Alarm input /output interface				5
Motion Detection, Tripe Wire (Line Cross), Video Loss, AI Function				10
ROI, Digital Image Stabilization, Privacy masking areas, BLC, HLC, Defog, AWB, IP Address Filtering, AGC, 2D DNR&3D DNR S/N: >55dB,				10
256G Micro SD / SDHC / SDXC card with ANR Function. 64G should include				5
ONVIF Profile S , G & T				5
IP67, Vandal Proof, with metal Back box , Operating Temperature -30~50 C				10
FCC and CE, should be Submitted, 3 Years warranty				10
Additional Recommended option or more advance specs				10
Approved % with condition AI function				90%

5MP (2.8-12) mm Dome Network Camera:		Qty:	39	
Specs	Comply	Note	Percentage	
	Yes / No			6%
H.265/H.264+/H.264/MJPEG, Min 30/25fps@ (5/4/3/2) MP, Multi Stream			10	
1/2.8" Progressive Scan Sony CMOS, ICR filter with auto switch, true day/night			5	
Auto Iris, True WDR (120 dB), 0.01 Lux, B/W: 0Lux with IR on			10	
2.8-12mm Optical Zoom, 16x digital zoom			5	
40-50m Smart IR			5	
Integrate 1*RJ45 10M/100M POE Ethernet Port, Auxiliary: DC 12V±10%., Reset Push button, 1/1 Alarm input /output interface			5	
Motion Detection, Video Loss, AI Function			10	
ROI, Digital Image Stabilization, Privacy masking areas, BLC, HLC, AWB, IP Address Filtering, AGC, 2D DNR&3D DNR, S/N: >55dB,			10	
256G Micro SD / SDHC / SDXC card with ANR Function. 64 G should include			5	
ONVIF Profile S , G & T			5	
IP67, Vandal Proof, Operating Temperature -30~50 C			10	
FCC and CE, should be Submitted, 3 Years warranty			10	
Additional Recommended option or more advance specs			10	
Approved % with condition AI function				90%

Rack cabinet 12U:		Qty:	5	
Specs	Comply	Note	Percentage	
	Yes / No			2%
cabinet should be 12U 600 mm (width) X 600 mm (depth)			15	
The cabinet should be equipped with at least 2 Fans			10	
19" installation			15	
The cabinet should be equipped with at least 8 ports industry power distribution unit with power switch			15	
Material thick: 19" mounting bar at least 2.0mm, the whole framework at least 1.5 mm and each door at least 1.2 mm			20	
All are made high quality cold roller steel.			15	
comply with earthing requirements.			10	
Approved %				80%

Rack cabinet 24:		Qty:	8	
Specs	Comply	Note	Percentage	
	Yes / No			2%
cabinet should be 24U 600 mm (width) X 800 mm (depth)			15	
The cabinet should be equipped with at least 2 Fans			10	
19" installation			15	
The cabinet should be equipped with at least 8 ports industry power distribution unit with power switch			15	
Material thick: 19" mounting bar at least 2.0mm, the whole framework at least 1.5 mm and each door at least 1.2 mm			20	
All are made high quality cold roller steel.			15	
comply with earthing requirements.			10	
Approved %			80%	

42 CCTV LED Screen:		Qty:	8	
Specs	Comply	Note	Percentage	
	Yes / No			5%
Should be Design for CCTV 7/24 use			20	
Metal case			10	
4K Ultra-HD resolution			10	
Min HDMI x 2, VGA x 1, USB			10	
High quality HDMI cable, power cable, Mounting Bracket remote control			10	
Wide Viewing Angle 178 /178			10	
Operating Temperature 0~40 C			10	
FCC and CE approved ,3 Years Factory warranty			15	
Additional Recommended option or more advance specs			5	
Approved %			80%	

Rack Server cabinet 42U:		Qty:	1	
Specs	Comply	Note	Percentage	
	Yes / No			2%
cabinet should be 42U 800 mm (width) X 1000 mm			10	
The cabinet should be equipped with at least one shelf			10	
The cabinet should be equipped with at least 4 Fans			10	
19" installation on the front and rear for components			10	
The cabinet should be equipped with at least 2*8 ports industry power distribution unit with power switch			10	
Material thick: 19" mounting bar at least 2.0mm, the whole framework at least 1.5 mm and each door at least 1.2 mm			20	
Equipped with rolling foot wheel and fixed leg			10	
All are made high quality cold roller steel.			10	
comply with earthing requirements.			10	
Approved %				80%

Outdoor Galvanized Cabinet:		Qty:	34	
Specs	Comply	Note	Percentage	
	Yes / No			2%
IP55 weather proof 50*40*20 cm with Lock and canopy			20	
2 venation access with changeable filters, 2 Fans			20	
Mounting Bracket Wall /Pole			10	
6 AMP Circuit Breaker			10	
Thermostat with Relay			10	
4 Port Single Mode ODF			20	
Supporting of Made in Jordan (sample Should be approved before installation)			10	
Approved %				80%

4 Meters Pole:		Qty.:	9	
Specs	Comply	Note	Percentage	
	Yes / No			
Hot deep Galvanized (4.5-5.5) Inc. diam. 3-4 mm thickness			20	
160KM/H wind speed resistance, wind speed calculation should be submitted			20	
Fuse Box (16 Amp CB if the Pole with Outdoor Panel), inside Cable Managed			10	
RSS Tested			10	
15 years Warranty			10	
Concrete base with (80*50*50 CM)			20	
Supporting of Made in Jordan (sample Should be approved before installation)			10	
Approved %			80%	

6 Meters Pole:		Qty:	1	
Specs	Comply	Note	Percentage	
	Yes / No			
Hot deep Galvanized min 85 Micron (6.5-7.5) Inc. diam. 4-5 mm thickness with safety Hock			20	
160KM/H wind speed resistance, wind speed calculation should be submitted			20	
Fuse Box (16 Amp CB if the Pole with Outdoor Panel) , inside Cable Managed			10	
RSS Tested			10	
15 years Warranty			10	
Concrete base with (100*70*70 CM)			20	
Supporting of Made in Jordan (sample Should be approved before installation)			10	
Approved %			100%	

4K Network Video Recorder:		Qty.:	5	
Specs	Comply		Note	Percentage
	Yes / No			6%
H.265/H.264+/H.264 Video Format ,64 Channels Network Video Input, Dual Stream Recording availability				5
256 Mbps Incoming bandwidth, 256 Mbps outgoing bandwidth				5
8*SATA HDD, 80TB Include, Video surveillance grade				5
32*5MP Camera Synchronous Recording at least				10
Support 32 Camera Synchronous playback				5
RAID0, RAID1, RAID5, RAID6, RAID10, ANR and N+1 Failover				5
2*RJ45 100M/1000M Network Interface, 2x controlled HDMI, Alarm input/ Output (4/4), one VGA				5
Video Playback, Image Playback, Lock Record File, Tag Video and Playback File Management				5
Support multi-level user management,				5
Recording type Manual Recording, Timing Recording, Motion Detection Recording, Alarm Recording, POP UP function is must				5
Alarms: Support Network Disconnected/Disk Full/Record Failed/Disk Error/ Disk alarms				5
Network protocols: TCP/IP, DHCP, DNS, DDNS, NTP, SADP, SMTP, NFS, iSCSI, UPnP, HTTPS, PPPOE				5
VCA support (Line Cross Must) , Alarm Link with VCA should support				5
Support Cameras Setting and configuration.				5
Support Auto Reboot, operating and config. information import/export.				5
Support ONVIF, API, ANPR, AI				5
FCC and CE Should be Submitted3 years Warranty,				10
Additional Recommended option or more advance specs				5
Approved %, with condition AI function				90%

Failover 4K Network Video Recorder:		Qty.:	2	
Specs	Comply	Note		Percentage
	Yes / No			6%
H.265/H.264+/H.264 Video Format ,64 Channels Network Video Input, Dual Stream Recording availability				5
256 Mbps Incoming bandwidth, 256 Mbps outgoing bandwidth				5
8*SATA HDD, 80TB Include, Video surveillance grade				5
32*5MP Camera Synchronous Recording min				10
Support 32 Camera Synchronous playback				5
RAID0, RAID1, RAID5, RAID6, RAID10, ANR and N+1 Failover				5
2*RJ45 100M/1000M Network Interface, 2x controlled HDMI, one VGA				5
Video Playback, Image Playback, Support Instant Playback in Live View, Lock Record File, Tag Video and Playback File Management				5
Support multi-level user management,				5
Recording type Manual Recording, Timing Recording, Motion Detection Recording, Alarm Recording, POP UP function is must				5
Alarms: Support Network Disconnected/Disk Full/Record Failed/Disk Error/ Disk alarms				5
Network protocols: TCP/IP, DHCP, DNS, DDNS, NTP, SADP, SMTP, NFS, iSCSI, UPnP, HTTPS, PPPOE				5
VCA support (Line Cross Must) , Alarm Link with VCA should support				5
Support Cameras Setting and configuration.				5
Support Auto Reboot, operating and config. information import/export.				5
Support ONVIF, API, CGI				5
FCC and CE Should be Submitted 3 years Warranty				10
Additional Recommended option or more advance specs				5
Approved %, with condition AI function				90%

Fiber Cable:		Qty.:	LOT	
Specs	Comply		Note	Percentage
	Yes / No			3%
8 Core OM4 – clt / Multi Mode				25
UV resistant jacket, LSZH jacket for Indoor/Outdoor				25
Meeting the TIA/EIA-568-C.3 , ISO/IEC 11801, ITU-T G.652D, IEC 60332-1-2, IEC 60754-1,2 & IEC 61034-2				25
Cable should be terminated on 19 Inch Patch Panels and spliced with Pigtaills inside splice Holders				25
Approved %				100%

CAT6 Cable:		Qty.:	LOT	
Specs	Comply		Note	Percentage
	Yes / No			3%
Cable Shall be Category 6 F/UTP 23AWG cable, 305 meter per box.				20
Comply with ISO 11801 or EIA/TIA 568-B.2				20
Frequency [MHz]: 250 MHz or above.				20
Cable Shall be LSZH				20
The Cable Should be terminated on 19 Inch 24 Ports Patch Panel, Cable Organizer & Patch Cords if connected to 19" Rack Cabinet				20
Approved %				100%

19" Rack Cabinet Cat6 Patch Panel:		Qty.:	14	
Specs	Comply		Note	Percentage
	Yes / No			1%
24 Port Modular Patch Panel full loaded				50
1 rack unit height, 19" width				40
Can get up to 24 Category 6 connectors				10
Approved %				100%

19" Rack Cabinet Fiber Patch Panel:		Qty.:	14	
Specs	Comply	Note	Percentage	
	Yes / No			
Shall be spliced box type			20	
19"/1U, extractable,			20	
Shall include 8 SC Duplex Adapters			20	
Shall Include 16 Pigtail OM4, 2 meter length			20	
Shall include spliced tray & cover to host splicing inside the Patch Panel, shall have two cable entry			20	
Approved %			100%	

Fiber cord:		Qty.:	120	
Specs	Comply	Note	Percentage	
	Yes / No			
Shall be SC Duplex to LC Duplex			25	
LSZH sheath			25	
Min. 1 Meter Length			25	
OM4 Type			25	
Approved %			100%	

Cat 6 patch cord:		Qty.:	240	
Specs	Comply	Note	Percentage	
	Yes / No			
Cable Shall be Category 6 F/UTP cable			40	
1meter length			30	
Low-Smoke Zero Halogen			30	
Approved %			100%	

Organizer:		Qty:	28	
Specs	Comply	Note		Percentage
	Yes / No			1%
1 rack unit height				50
Metal				50
Approved %				100%

Aggregation Managed Switch 24Ports:		Qty:	1	
Specs	Comply	Note		Percentage
	Yes / No			3%
Min 16 port *10/100/1000Base (T RJ45 or X SFP) ports				10
Min 8*100/1000Base-X SFP ports, (16 Multi Mode SFP Min. Should be include)				30
Min 4*1/10G SFP+ fiber slot ports				10
Min. capacity 320Gbps/non-blocking 105 Gbps and throughput 95Mpps				10
Dual Power Supply				10
19inch Rack cabinet installation				5
ERPS, STP, RSTP, MSTP, IGMP Snooping v1/v2, DHC				5
IEEE802.3 10BASE-T, IEEE802.3i 10Base-T, IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T, IEEE802.3z 1000Base-X, IEEE802.3ae 10GBase-LR/SR, IEEE802.3x				5
FCC, CE Certification Should be Submit , 3 Years Factory Warranty				10
Not end-of-life or end-of-sale				5
Approved %				90%

24Ports POE Managed Switch:		Qty:	3	
Specs	Comply	Note	Percentage	
	Yes / No			3%
24*10/100/1000Base-T PoE ports (support Poe/POE+)			30	
4*1/10G uplink SFP+ fiber slot ports (Data) (4 Multi Mode SFP Should be include			20	
360Watt Min Power Budget			20	
19inch Rack cabinet installation			5	
FCC, CE Certification Should be Submit , 3 Years Factory Warranty			10	
ERPS, STP, RSTP, MSTP, IGMP Snooping v1/v2, DHC			5	
IEEE802.3 10BASE-T, IEEE802.3i 10Base-T, IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T, IEEE802.3z 1000Base-X, IEEE802.3ae 10GBase-LR/SR, IEEE802.3x			5	
Not end-of-life or end-of-sale			5	
Approved %				80%

16Ports POE Managed Switch:		Qty.:	10	
Specs	Comply	Note	Percentage	
	Yes / No			4%
16*10/100/1000Base-T PoE ports			30	
2*Giga uplink SFP+ fiber slot ports (Data) (2 Multi Mode SFP Should be include			20	
240-watt Min Power Budget			10	
19-inch Rack cabinet installation			5	
FCC, CE Certification Should be Submit , 3 Years Factory Warranty			10	
ERPS, STP, RSTP, MSTP, IGMP Snooping v1/v2, DHC			10	
IEEE802.3 10BASE-T, IEEE802.3i 10Base-T, IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T, IEEE802.3z 1000Base-X, IEEE802.3ae 10GBase-LR/SR, IEEE802.3x			10	
Not end-of-life or end-of-sale			5	
Approved %				80%

8Ports POE industrial Managed Switch:		Qty:	12	
Specs	Comply	Note	Percentage	
	Yes / No			
8*10/100/1000Base-T PoE ports (POE/POE+ Support)			30	
2*Giga uplink SFP (2 Multi Mode SFP Should be include			20	
180-Watt Power Budget (industrial Power Supply)			10	
DIN rail mounting			10	
FCC, CE Certification Should be Submit , 3 Years Factory Warranty			15	
Not end-of-life or end-of-sale			15	
Approved %			80%	

4Ports POE industrial Managed Switch:		Qty:	22	
Specs	Comply	Note	Percentage	
	Yes / No			
4*10/100/1000Base-T PoE ports (POE/POE+ Support)			30	
2*Giga uplink SFP (2 Multi Mode SFP Should be include			20	
110-Watt Power Budget (industrial Power Supply)			10	
DIN rail mounting			10	
FCC, CE Certification Should be Submit , 3 Years Factory Warranty			15	
Not end-of-life or end-of-sale			15	
Approved %			80%	

UPS 6 KVA Rack Mount		Qty:	1	
Specs	Comply	Note	Percentage	
	Yes / No			2%
Input /Output: Single Phase			10	
True Online double conversion			10	
Power Factor 1			10	
Backup time @ full load 15 Minutes power calculations should be submitted before supply			40	
Rack mount			10	
3 Years Factory Warranty, Battery life time 5 years Min			20	
Approved %				90%

UPS 4 KVA Rack mount		Qty:	8	
Specs	Comply	Note	Percentage	
	Yes / No			2%
Input /Output: Single Phase			10	
True Online double conversion			10	
Power Factor 1			10	
Backup time @ full load 15 Minutes power calculations should be submitted before supply			40	
Rack mount			10	
3 Years Factory Warranty, Battery life time 5 years Min			20	
Approved %				90%

PC workstation		Qty: 1	
Specs	Comply	Note	Percentage
	Yes / No		1%
CPU Core i7 2.5 4 MP Cache at least			20
16 GB DDR4			10
2 * 10/100*1000 ethernet card			10
1 TB SSD			10
4GB Dual video Card, 2 HDMI			10
3 Years Warranty, well-known brand			10
55-inch LED Wall Mount Monitor with HDMI and power cable,			20
wireless mouse and keyboard with same brand			10
Approved %			100%

Gate Station NVR, workstation or Decoder		Qty: 3	
Specs	Comply	Note	Percentage
	Yes / No		2%
Should Support 16 min IP Cameras			25
HDMI output.			25
32-inch CCTV 7/24 Wall Mount Monitor with HDMI and power cable			25
3 Years Warranty,			25
Approved %			100%

Control Room Requirements:		Qty:	LOT	
Specs	Comply		Note	Percentage
	Yes / No			1%
Painting with approved colours with Edge Fishing based in site survey				10
4* 20-watt LED lighting fixture ceiling mount with power point				10
8 *Power Points (LED, PC)				10
5 *Data Points				10
10 *10 meters HDMI, 7 *Wireless Mouse and Keyboard				10
1* Control room operator chairs, 1* Console 120 CM,				10
2 * Door Access Control, 1* 250 Kg Magnetic Lock, 1* Striker				15
Air Conditioner Full Inverter Split AC 1.5 Ton				15
PVC Flooring 20 Meter Squared				10
Approved %				100%

جدول الكميات – مجمع الجودة:

NO	Description	Qty	Unit Price	Total Price
1	Control Room Requirements	LS		
2	Gate Station NVR, workstation or Decoder	3		
3	PC workstation	1		
4	UPS 4 KVA Rack mount	8		
5	UPS 6 KVA Rack Mount	1		
6	4Ports POE industrial Managed Switch	22		
7	8Ports POE industrial Managed Switch	12		
8	16Ports POE Managed Switch	10		
9	24Ports POE Managed Switch	3		
10	Aggregation Managed Switch 24Ports	1		
11	Organizer	28		
12	Cat 6 patch cord	240		
13	Fiber cord	120		
14	19" Rack Cabinet Fiber Patch Panel	14		
15	19" Rack Cabinet Cat6 Patch Panel	14		
16	Piping and other accessories	LOT		
17	CAT6 Cable	LOT		
18	Fiber Cable	LOT		
19	Civil Works	LOT		
20	Failover 4K Network Video Recorder	2		
21	4K Network Video Recorder	5		
22	6 Meters Pole	1		
23	4 Meters Pole	9		
24	Outdoor Galvanized Cabinet	34		
25	Rack Server cabinet 42	1		
26	42 CCTV LED Screen	8		
27	Rack cabinet 24	8		
28	Rack cabinet 12U	5		
29	5MP (2.8-12) mm Dome Network Camera	39		
30	5MP (2.8-12) mm outdoor (Short Lens) Bullet Network Camera	129		
31	5MP Long Lens (7-22) mm out Door Bullet Network Camera	68		
32	5MP 36X PTZ Network Camera	2		
33	Supply, Installation, Testing and commission with all needed accessories التركيب والتشغيل والتسليم	LS		
إجمالي السعر للبنود أعلاه شاملاً ضريبة المبيعات وأي ضرائب حكومية أخرى.				

3- المطحنة

ب- جداول المواصفات والمطابقة الفنية – مطحنة الجويده

5MP 36X PTZ Network Camera:		Qty.:	1	
Specs	Comply	Note	Percentage	6%
	Yes / No			
H.265/H.264+/H.264/MJPEG, Min 30/25fps@ (5) MP , Multi Stream				10
1/2.8" Progressive Scan Sony CMOS, ICR filter with auto switch, true day/night				5
Auto Iris, Auto focus, True WDR (120 dB), 0.01 Lux, B/W: 0Lux with IR on				10
3D Positioning, Pan 360, Tilt, auto flip, with 36X Optical Zoom, 16x digital zoom				5
300-400 M Smart IR				5
Integrate 1*RJ45 10M/100M POE Ethernet Port, Auxiliary: AC / DC power , Reset Push button, 1/1 Alarm input /output interface , power supply should include				5
Motion Detection, Auto Tracking, Video Loss, AI Functions				10
ROI, Digital Image Stabilization, 4 Privacy masking areas, BLC, HLC, Defog, AWB, IP Address Filtering, AGC, 2D DNR&3D DNR , S/N : >55dB,				10
256G Micro SD / SDHC / SDXC card with ANR Function. 64 G should include				5
ONVIF Profile S & G and T				5
IP66, IK 10 , Operating Temperature -30~50 C				10
FCC and CE Should be Submit , 3 Years Factory warranty				10
Additional Recommended option or more advance specs				10
Approved %, with condition AI function				90%

5MP Long Lens (7-22) mm outdoor Bullet Network Camera:		Qty.:	4	
Specs	Comply	Note	Percentage	
	Yes / No			
H.265/H.264+/H.264/MJPEG, Min 30/25fps@ (5) MP, Multi Stream			10	
1/2.8" Progressive Scan Sony CMOS, ICR filter with auto switch, true day/night			10	
Auto Iris, Auto focus, True WDR (120 dB), 0.01 Lux, B/W: 0Lux with IR on			10	
7-22mm Optical Zoom, 16x digital zoom			5	
100-120m Smart IR			5	
Integrate 1*RJ45 10M/100M POE Ethernet Port, Auxiliary: DC 12V±10%, Reset Push button, 1/1 Alarm input /output interface			5	
Motion Detection, Tripe Wire (Line Cross), Video Loss, AI Function			10	
ROI, Digital Image Stabilization, 4 Privacy masking areas, BLC, HLC, Defog, AWB, IP Address Filtering, AGC, 2D DNR&3D DNR, S/N: >55dB,			5	
256G Micro SD / SDHC / SDXC card with ANR Function. 64 G should include			5	
ONVIF Profile S & G & T			5	
IP67, Vandal Proof, with metal Back Box, Operating Temperature -30~50 C			10	
FCC and CE, should be submit and 3 Years Factory warranty should be submitted			10	
Additional Recommended option or more advance specs			10	
Approved % with condition AI function				90%

5MP (2.8-12) mm outdoor Bullet Network Camera:		Qty:	18	
Specs	Comply	Note		Percentage
	Yes / No			8%
H.265/H.264+/H.264/MJPEG, Min 30/25fps@ (5/4/3/2) MP, Multi Stream				10
1/2.8" Progressive Scan Sony CMOS, ICR filter with auto switch, true day/night				5
Auto Iris, True WDR (120 dB), 0.01 Lux, B/W: 0Lux with IR on				10
2.8-12mm Optical Zoom, 16x digital zoom				5
40-50m Smart IR				5
Integrate 1*RJ45 10M/100M POE Ethernet Port, Auxiliary: DC 12V±10% Reset Push button				5
Motion Detection, Tripe Wire (Line Cross) , Video Loss, AI Function				10
ROI, Digital Image Stabilization, Privacy masking areas with different colors, BLC, HLC, , Defog, AWB, IP Address Filtering, AGC, 2D DNR&3D DNR , S/N : >55dB,				10
256G Micro SD / SDHC / SDXC card with ANR Function. 64 G should include				5
ONVIF Profile S , G & T				5
IP67, Vandal Proof , with metal Back box, Operating Temperature -30~50 C				10
FCC and CE , Should be Submitted, 3 Years warranty				10
Additional Recommended option or more advance specs				10
Approved % with condition AI function				90%

5MP (2.8-12) mm Dome Network Camera:		Qty:	32	
Specs	Comply	Note	Percentage	
	Yes / No			8%
H.265/H.264+/H.264/MJPEG, Min 30/25fps@ (5/4/3/2) MP, Multi Stream			10	
1/2.8" Progressive Scan Sony CMOS, ICR filter with auto switch, true day/night			5	
Auto Iris, True WDR (120 dB), 0.01 Lux, B/W: 0Lux with IR on			10	
2.8-12mm Optical Zoom, 16x digital zoom			5	
40-50m Smart IR			5	
Integrate 1*RJ45 10M/100M POE Ethernet Port, Auxiliary: DC 12V±10%., Reset Push button, 1/1 Alarm input /output interface			5	
Motion Detection, , Video Loss, AI Function			10	
ROI, Digital Image Stabilization, Privacy masking areas, BLC, HLC, AWB, IP Address Filtering, AGC, 2D DNR&3D DNR, S/N: >55dB,			10	
256G Micro SD / SDHC / SDXC card with ANR Function. 64 G should include			5	
ONVIF Profile S , G & T			5	
IP67, Vandal Proof, Operating Temperature -30~50 C			10	
FCC and CE, should be Submitted, 3 Years warranty			10	
Additional Recommended option or more advance specs			10	
Approved % with condition AI function				90%

Rack cabinet 12U:		Qty:	5	
Specs	Comply	Note	Percentage	
	Yes / No			4%
cabinet should be 12U 600 mm (width) X 600 mm (depth)			15	
The cabinet should be equipped with at least 2 Fans			10	
19" installation			15	
The cabinet should be equipped with at least 8 ports industry power distribution unit with power switch			15	
Material thick: 19" mounting bar at least 2.0mm, the whole framework at least 1.5 mm and each door at least 1.2 mm			20	
All are made high quality cold roller steel.			15	
comply with earthing requirements.			10	
Approved %				80%

42 CCTV LED Screen:		Qty:	2	
Specs	Comply	Note	Percentage	
	Yes / No			6%
Should be Design for CCTV 7/24 use			20	
Metal case			10	
4K Ultra-HD resolution			10	
Min HDMI × 2, VGA × 1, USB			10	
High quality HDMI cable, power cable, Mounting Bracket remote control			10	
Wide Viewing Angle 178 /178			10	
Operating Temperature 0~40 C			10	
FCC and CE approved , 3 Years Factory warranty			15	
Additional Recommended option or more advance specs			5	
Approved %				80%

Rack Server cabinet 42:		Qty:	1	
Specs	Comply	Note	Percentage	
	Yes / No			3%
cabinet should be 42U 800 mm (width) X 1000 mm			10	
The cabinet should be equipped with at least one shelf			10	
The cabinet should be equipped with at least 4 Fans			10	
19" installation on the front and rear for components			10	
The cabinet should be equipped with at least 2*8 ports industry power distribution unit with power switch			10	
Material thick: 19" mounting bar at least 2.0mm, the whole framework at least 1.5 mm and each door at least 1.2 mm			20	
Equipped with rolling foot wheel and fixed leg			10	
All are made high quality cold roller steel.			10	
comply with earthing requirements.			10	
Approved %				90%

Outdoor Galvanized Cabinet:		Qty:	3	
Specs	Comply	Note	Percentage	
	Yes / No			
IP55 weather proof 50*40*20 cm with Lock and canopy			20	
2 venation access with changeable filters, 2 Fans			20	
Mounting Bracket Wall /Pole			10	
6 AMP Circuit Breaker			10	
Thermostat with Relay			10	
4 Port Single Mode ODF			20	
Supporting of Made in Jordan (sample Should be approved before installation)			10	
Approved %			90%	

4 Meters Pole:		Qty:	5	
Specs	Comply	Note	Percentage	
	Yes / No			
Hot deep Galvanized (4.5-5.5) inch dia. 3-4 mm thickness			20	
160KM/H wind speed resistance, wind speed calculation should be submitted			20	
Fuse Box (16 Amp CB if the Pole with Outdoor Panel), inside Cable Managed			10	
RSS Tested			10	
15 years Warranty			10	
Concrete base with (80*50*50 CM)			20	
Supporting of Made in Jordan (sample Should be approved before installation)			10	
Approved %			80%	

4K Network Video Recorder:		Qty.:	2	
Specs	Comply	Note		Percentage
	Yes / No			8%
H.265/H.264+/H.264 Video Format ,64 Channels Network Video Input, Dual Stream Recording availability				5
256 Mbps Incoming bandwidth, 256 Mbps outgoing bandwidth				5
8*SATA HDD, 80TB Include, Video surveillance grade				5
32*5MP Camera Synchronous Recording at least				10
Support 32 Camera Synchronous playback				5
RAID0, RAID1, RAID5, RAID6, RAID10, ANR and N+1 Failover				5
2*RJ45 100M/1000M Network Interface, 2x controlled HDMI, Alarm input/ Output (4/4), one VGA				5
Video Playback, Image Playback, Lock Record File, Tag Video and Playback File Management				5
Support multi-level user management,				5
Recording type Manual Recording, Timing Recording, Motion Detection Recording, Alarm Recording, POP UP function is must				5
Alarms: Support Network Disconnected/Disk Full/Record Failed/Disk Error/ Disk alarms				5
Network protocols: TCP/IP, DHCP, DNS, DDNS, NTP, SADP, SMTP, NFS, iSCSI, UPnP, HTTPS, PPPOE				5
VCA support (Line Cross Must) , Alarm Link with VCA should support				5
Support Cameras Setting and configuration.				5
Support Auto Reboot, operating and config. information import/export.				5
Support ONVIF, API, ANPR, AI				5
FCC and CE Should be Submitted,3 years Warranty				10
Additional Recommended option or more advance specs				5
Approved % with condition AI function				90%

Failover 4K Network Video Recorder:		Qty.:	1	
Specs	Comply		Note	Percentage
	Yes / No			8%
H.265/H.264+/H.264 Video Format ,64 Channels Network Video Input, Dual Stream Recording availability				5
256 Mbps Incoming bandwidth, 256 Mbps outgoing bandwidth				5
8*SATA HDD, 80TB Include, Video surveillance grade				5
32*SMP Camera Synchronous Recording min				10
Support 32 Camera Synchronous playback				5
RAID0, RAID1, RAID5, RAID6, RAID10, ANR and N+1 Failover				5
2*RJ45 100M/1000M Network Interface, 2x controlled HDMI, one VGA				5
Video Playback, Image Playback, Support Instant Playback in Live View, Lock Record File, Tag Video and Playback File Management				5
Support multi-level user management,				5
Recording type Manual Recording, Timing Recording, Motion Detection Recording, Alarm Recording, POP UP function is must				5
Alarms: Support Network Disconnected/Disk Full/Record Failed/Disk Error/ Disk alarms				5
Network protocols: TCP/IP, DHCP, DNS, DDNS, NTP, SADP, SMTP, NFS, iSCSI, UPnP, HTTPS, PPPOE				5
VCA support (Line Cross Must) , Alarm Link with VCA should support				5
Support Cameras Setting and configuration.				5
Support Auto Reboot, operating and config. information import/export.				5
Support ONVIF, API, CGI				5
FCC and CE Should be Submitted,3 years Warranty				10
Additional Recommended option or more advance specs				5
Approved % with condition AI function				90%

Fiber Cable:		Qty.:	LOT	
Specs	Comply		Note	Percentage
	Yes / No			3%
8 Core OM4 – clt /Multi Mode				25
UV resistant jacket, LSZH jacket for Indoor/Outdoor				25
Meeting the TIA/EIA-568-C.3 , ISO/IEC 11801, ITU-T G.652D, IEC 60332-1-2, IEC 60754-1,2 & IEC 61034-2				25
Cable should be terminated on 19 Inch Patch Panels and spliced with Pigtails inside splice Holders				25
Approved %				100%

CAT6 Cable:		Qty.:	LOT	
Specs	Comply		Note	Percentage
	Yes / No			1%
Cable Shall be Category 6 F/UTP 23AWG cable, 305 meter per box.				20
Comply with ISO 11801 or EIA/TIA 568-B.2				20
Frequency [MHz]: 250 MHz or above.				20
Cable Shall be LSZH				20
The Cable Should be terminated on 19 Inch 24 Ports Patch Panel, Cable Organizer & Patch Cords if connected to 19" Rack Cabinet				20
Approved %				100%

19" Rack Cabinet Cat6 Patch Panel:		Qty:	6	
Specs	Comply		Note	Percentage
	Yes / No			1%
24 Port Modular Patch Panel full loaded				50
1 rack unit height, 19" width				40
Can get up to 24 Category 6 connectors				10
Approved %				100%

19" Rack Cabinet Fiber Patch Panel:		Qty.:	6	
Specs	Comply	Note	Percentage	
	Yes / No			
Shall be spliced box type			20	
19"/1U, extractable,			20	
Shall include 8 SC Duplex Adapters			20	
Shall Include 16 Pigtail OM4, 2 meter length			20	
Shall include spliced tray & cover to host splicing inside the Patch Panel, shall have two cable entry			20	
Approved %			100%	

Fiber cord:		Qty.:	10	
Specs	Comply	Note	Percentage	
	Yes / No			
Shall be SC Duplex to LC Duplex			25	
LSZH sheath			25	
Min. 1 Meter Length			25	
OM4 Type			25	
Approved %			100%	

Cat 6 patch cord:		Qty:	65	
Specs	Comply	Note	Percentage	
	Yes / No			
Cable Shall be Category 6 F/UTP cable			40	
1meter length			30	
Low-Smoke Zero Halogen			30	
Approved %			100%	

Organizer:		Qty:	15	
Specs	Comply	Note	Percentage	
	Yes / No			1%
1 rack unit height				50
Metal				50
Approved %				100%

Aggregation Managed Switch 24Ports:		Qty:	1	
Specs	Comply	Note	Percentage	
	Yes / No			3%
Min 16 port *10/100/1000Base (T RJ45 or X SFP) ports				10
Min 8*100/1000Base-X SFP ports , (8 Multi Mode SFP Should be include)				30
Min 4*1/10G SFP+ fiber slot ports				10
Min. capacity 320Gbps/non-blocking 105 Gbps and throughput 95Mpps				10
Dual Power Supply				10
19-inch Rack cabinet installation				5
ERPS, STP, RSTP, MSTP, IGMP Snooping v1/v2, DHC				5
EEE802.3 10BASE-T, IEEE802.3i 10Base-T, IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T, IEEE802.3z 1000Base-X, IEEE802.3ae 10GBase-LR/SR, IEEE802.3x				5
FCC, CE Certification Should be Submit , 3 Years Factory Warranty				10
Not end-of-life or end-of-sale				5
Approved %				90%

16Ports POE Managed Switch:		Qty:	6	
Specs	Comply	Note	Percentage	
	Yes / No			3%
16*10/100/1000Base-T PoE ports			30	
2*Giga uplink SFP+ fiber slot ports (Data) (2 Multi Mode SFP Should be include)			20	
240-watt Min Power Budget			10	
19-inch Rack cabinet installation			5	
FCC, CE Certification Should be Submit , 3 Years Factory Warranty			10	
ERPS, STP, RSTP, MSTP, IGMP Snooping v1/v2, DHC			5	
IEEE802.3 10BASE-T, IEEE802.3i 10Base-T, IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T, IEEE802.3z 1000Base-X, IEEE802.3ae 10GBase-LR/SR, IEEE802.3x			10	
Not end-of-life or end-of-sale			10	
Approved %				80%

4Ports POE industrial Managed Switch:		Qty:	3	
Specs	Comply	Note	Percentage	
	Yes / No			4%
4*10/100/1000Base-T PoE ports (POE/POE+ Support)			30	
2*Giga uplink SFP (2 Multi Mode SFP Should be include)			20	
110-Watt Power Budget (industrial Power Supply)			10	
DIN rail mounting			10	
FCC, CE Certification Should be Submit , 3 Years Factory Warranty			15	
Not end-of-life or end-of-sale			15	
Approved %				80%

UPS 6 KVA Rack Mount		Qty: 1	
Specs	Comply	Note	Percentage
	Yes / No		3%
Input /Output: Single Phase			10
True Online double conversion			10
Power Factor 1			10
Backup time @ full load 15 Minutes power calculations should be submitted before supply			40
Rack mount			10
3 Years Factory Warranty, Battery life time 5 years Min			20
Approved %			90%

PC workstation		Qty.: 1	
Specs	Comply	Note	Percentage
	Yes / No		1%
CPU Core i7 2.5 4 MP Cache at least			20
16 GB DDR4			10
2 * 10/100*1000 ethernet card			10
1 TB SSD			10
4GB Dual video Card, 2 HDMI			10
3 Years Warranty, well-known brand			10
55-inch LED Wall Mount Monitor with HDMI and power cable,			20
wireless mouse and keyboard with same brand			10
Approved %			100%

Gate Station NVR, workstation or Decoder		Qty: 2	
Specs	Comply	Note	Percentage
	Yes / No		2%
Should Support 16 min IP Cameras			25
HDMI output.			25
32-inch CCTV 7/24 Wall Mount Monitor with HDMI and power cable			25
3 Years Warranty,			25
Approved %			100%

Control Room Requirements:		Qty:	LOT	
Specs	Comply		Note	Percentage
	Yes / No			1%
Painting with approved colours with Edge Fishing based in site survey				10
4* 20-watt LED lighting fixture ceiling mount with power point				10
8 *Power Points (LED, PC)				10
5 *Data Points				10
10 *10 meters HDMI, 7 *Wireless Mouse and Keyboard				10
1* Control room operator chairs, 1* Console 120 CM,				10
2 * Door Access Control, 1* 250 Kg Magnetic Lock, 1* Strick				15
Air Conditioner Full Inverter Split AC 1.5 Ton				15
PVC Flooring 20 Meter Squard				10
Approved %				100%

ج- جدول الكميات – مجمع المطحنة

NO	Description	Qty	Unit Price	Total Price
1	Control Room Requirements	LS		
3	Gate Station NVR, workstation or Decoder	2		
4	PC workstation	1		
5	UPS 6 KVA Rack mount	1		
6	4Ports POE industrial Managed Switch	3		
7	16Ports POE Managed Switch	6		
8	Aggregation Managed Switch 24Ports	1		
9	Organizer	15		
10	Cat 6 patch cord	65		
11	Fiber cord	10		
12	19" Rack Cabinet Fiber Patch Panel	6		
13	19" Rack Cabinet Cat6 Patch Panel	6		
14	Piping and other accessories	LOT		
15	CAT6 Cable	LOT		
16	Fiber Cable	LOT		
17	Civil Works	LOT		
18	Failover 4K Network Video Recorder	1		
19	4K Network Video Recorder	2		
20	4 Meters Pole	5		
21	Outdoor Galvanized Cabinet	3		
22	Rack Server cabinet 42	1		
23	42 CCTV LED Screen	2		
24	Rack cabinet 12U	5		
25	5MP (2.8-12) mm Dome Network Camera	32		
26	5MP (2.8-12) mm outdoor (Short Lens) Bullet Network Camera	18		
27	5MP Long Lens (7-22) mm out Door Bullet Network Camera	4		
28	5MP 36X PTZ Network Camera	1		
	Supply, Installation, Testing and commission with all needed accessories التركيب والتشغيل والتسليم	LS		
إجمالي السعر للبندود أعلاه شاملاً ضريبة المبيعات وأي ضرائب حكومية أخرى.				

• المخططات التوضيحية : على (CD)