

المديرية العامة لقوات الدرك



ادارة الاتصالات وتكنولوجيا المعلومات

شعبة الاتصالات

(مواصفات لاجهزة الفحص للانظمة السلكية واللاسلكية)

للعام

2014

GENERAL REQUIREMENT

- The General directorate of Gendarmerie (GDG) intend to buy Splicer Machine, OTDR Tester , E1 tester , BNC tester , Ethernet tester and GPS tester comprehensive operation, training and maintenance .
- The goal of Request for Proposal is to receive from the different bidders supply all Equipment for Testing General directorate Gendarmerie (GDG) network.

The scope of the project

- Commitment to provide all systems parts in offer.
- Commitment to provide Optional Prices the system parts and spare parts for a period not less than three years.
- Training staff of the General directorate Gendarmerie (GDG) of technicians on all Equipment operation and maintenance.
- Commitment in ensuring the maintenance for a period not less than two years.
- Provide fully documented including all procedures from the moment you begin installation and until completion with maintenance procedures and technical support.

General Conditions

- The bidder must be supply the brand name of all equipment and system And bidder shall provide certificate of origin to prove that.
- The bidder supplies a list of countries where the system is sold to and company portfolio.
- Prepare all the Equipment in accordance with the technical specifications required a minimum and appropriate to their needs and requirements.
- Implementation of the project safely and integrated.
- The contractor's commitment to come to the General Directorate of the Gendarmerie for two hours from which to make a brief presentation on the hardware.
- Provide technical offerand the financial offer separate addition to a copy of the tender invitation that all papers signed and stamped with the seal of the company.
- In case Provide installationand operation offer separated from technical offerand the financial offer addition to a copy of the tender invitation that all papers signed and stamped with the seal of the company.

- The contractor shall provide operating requirements, optional installation and all necessary and according to the sites and the proposed design to run efficiently , taking into account that these materials are suitable for all weather conditions.
- Presence Damage place in Amman within two hours and outside Amman within six hours.
- Provide proof for the existence of Efficiencies Company.
- Fixed the faults on the devices, which under warranty during 8 hours .
- Provide compliance table for each conditions, specifications hard and soft copy.
- The bidder Commitment to provide the license , software and upgrade for all equipment

A)

Splicer Machine

QTY (1)

- 1 **Applicable fibers** : SM (ITU-T G.652 & G.657), MM (ITU-T G.651),DS (ITU-T G.653), NZDS (ITU-T G.655),Others
- 2 **Fiber Count** : Single
- 3 **Cladding diameter** : 80 to 150µm
- 4 **Coating diameter** : 100 to 1000µm
- 5 **Fiber cleaved length** : 5 to 16mm
- 6 **Actual average splice loss** : 0.02dB with SM, 0.01dB with MM, 0.04dB with DS, 0.04dB with NZDS.
- 7 **Return loss** : 60dB or greater
- 8 **Attenuation splice function** : 0.1dB to 15dB (0.01dB step)
- 9 **Storage of splice result** : The last 2000 results to be stored in the internal memory.
- 10 **Viewing method** : Wide Color LCD Monitor
- 11 **Tension test** : 1.96 to 2.25N
- 12 **Operating condition** : 0-95% RH and -10 to 50°C respectively.
- 13 **Tube heater** : Built-in auto-start tube heater with 10 heating modes and up to 20 for reference
- 14 **Applicable protection sleeve length** : 60mm, 40mm and a series of micro sleeves.
- 15 **No. of splice/heating with battery** : 200 times of splicing and heat shrinking under with Battery.
- 16 **Power supply** : Auto voltage selection from 220 Vac. Or 10 to 15Vd.c. with ADC-18. 14.8Vd.c. with Battery
- 17 **Wind protection** : Up to 15m/s wind velocity
- 18 **Weight** : Including wind protector, monitor, and rubber protector

- 19 **Electrode life** : Excluding rubber foot
: 3000 arc-discharges

20	Others	:	1/Hard carrying case. 2/Battery QTY(2). 3/Battery charger. 4/Spare Electrodes QTY(4) 5/AC Adapter. 6/Cleaning Brush. 7/Electrode Sharpener.
21	The splicer machine included cleaver and tool kit.		
	B) Mechanical splices QTY.6		
	C) Standard fiber optic splice sleeve 40mm length(100 per pack)QTY.20		
	D) Standard fiber optic splice sleeve 60mm length(100 per pack)QTY.20		
	E) The contractor shall supply the following item free charge:		
	*		Tester E1 (QTY.1)
	*		Fiber optic test kit (optical source & power meter) (QTY.2)

المواصفات الفنية لجهاز فحص إشارة نظام الستالايت

العدد المطلوب (7)

- Power input: - DC12V 1.5A
- Input frequency: - 950-2150MHz
- Input impedance: - 750Ω
- Upgrade S/W by PC
- Li-Ion Battery (3000Mah)
- LNB INPUT: Satellite signal input port, connects directly to satellite antenna (1) using coaxial cable.
- LCD Screen: Shows MENU and Programs clearly (2)
- USB Port: Connect to PC to upgrade
- Charge port: To connect with the charger cord

المواصفات الفنية لجهاز فحص بطاريات

- 1- Stations(simultaneously served) : 4at least
- 2- Battery Voltage Range : 1.5 V ~ 10 V
- 3- Charge/Discharge Current : 100mA ~ 4A
- 4- Max Charge/Discharge Power : 60W (total)
- 5- Batteries Chemistry : NiMH, and Li-ion Batteries
- 6- Data Ports : RS232
- 7- Status check Throughput : 60 batteries/hour
- 8- Working Temp : 10oC ~ 30oC
- 9- Upgradeable Firmware.
- 10- Include of 4 adapters compatible with GP140 (HNN90089AR) batteries, and 4 adapters compatible with MTH800 (NNTN6923A) batteries.

المواصفات الفنية لأجهزة الفحص الخاصة بالوصلات الميكروية

المواصفات الفنية	أجهزة فحص	#
1. Connectors and ports :2.048Mbit/s E1 interfaces :Tx, Rx, Ext clock Standard : BNC 75Ω,120Ω,	<p>E1 TESTER جهاز فحص</p> <p>عدد (1)</p>	1
2. Serial port :RS-232/v.24, RJ-11,6-pin connector		
3. Save 10 Test Results , available to screen view or print with user defined label		
4. Battery life :4 Hour with Transmitter off &Internal battery: NiMH rechargeable & charger 5V@2A ,90to265 , 50-60HZ		
5. Measurement :E1 Signal level :0 to -43 dB Resolution :1dB		
6. Accurate error measurement (ES, SES, UAS...)		
7. Measure the propagation delay on a looped back signal		
8. Digital representation of sinusoidal Signals in selected time slot		
9. Audible alarm :a beep sound during an error or alarm		
10. The ability to determine the measurement duration for the test		
11. The ability to use different frequency resolution (1KH , 0.1KH , 0.01KH)		
12. The ability to observe the channel associated signaling for each time slot		
13. Operating Temperature :0 °C to 50°C		
14. Weight : less than 500g		

المواصفات الفنية لأجهزة الفحص الخاصة بالوصلات الميكروية		
المواصفات الفنية	أجهزة فحص	#
1. Built-in 3-axis electronic compass always shows your heading; barometric altimeter pinpoints the precise altitude.	GPS Hand Held (عدد 2)	2
2. Very accurate location to the site position (giving the longitude and the latitude & elevation to a reference point).		
3. The ability to locate your position quickly and precisely, maintaining its GPS location even in heavy cover and deep canyons.		
4. The product should have a barometric altimeter tracks changes in pressure to pinpoint your precise altitude, use to plot barometric pressure over time, which can help to keep an eye on changing weather conditions.		
5. Rugged handheld navigator with preloaded worldwide relief base map and 2.2-inch color display WAAS-enabled GPS receiver with HotFix and GLONASS support for fast positioning and a reliable signal.		
6. Powered with two AA batteries with life time of 25 hours; waterproof to IPX7 standards for protection against splashes, rain, etc.		
7. The product should have the ability to wirelessly share data with other users.		
8. This handheld GPS should be armed with a sunlight-readable, 2.2-inch color display and a worldwide base map with shaded relief, making it easier to know where you are and where you are headed next.		
9. With internal memory and a micro SD card slot.		
10. The products weight should be about 5 ounces and dimensions about (1.5 x4.5x2.5) inch maximum.		

المواصفات الفنية لأجهزة الفحص الخاصة بالوصلات الميكروية

المواصفات الفنية	أجهزة فحص	#
<p><u>Cable Tester Features:</u></p>		
<p>1. Ergonomic portable design</p>		
<p>2. Remote unit stored in main unit</p>		
<p>3. Simple one button test</p>		
<p>4. Audible annunciation of test results</p>		
<p>5. Indicated faults:</p> <ul style="list-style-type: none"> a. no connection; b. short; c. opens; d. crosses (cross connected wire); mis wires 		
<p>6. Low battery indicator</p>	<p>Ethernet Tester عدد (2)</p>	<p>3</p>
<p><u>Tester can test the following cables :</u></p>		
<p>1- Shielded (STP) and unshielded (UTP) LAN cables terminated in RJ-45 male connectors (EIA/TIA 568);</p> <p style="text-align: center;">RJ-11 cable with male connector;</p>		
<p>2- USB cables with type A flat plug on one end and type B square plug on other end;</p>		
<p>3- BNC cables with male connector.</p>		

المواصفات الفنية لأجهزة الفحص الخاصة بالوصلات الميكروية

Tester Technical Specification:

1. Tested cables : RJ-11, RJ-45, USB and BNC

2. Power : 1 battery, 9V (not included)

3. Weight : 250g (without battery) as maximum

Tester contains :

1. Main unit

2. Remote unit

3. Female BNC terminator

4. User manual

5. Carrying case

Ethernet Tester
عدد (2)

المواصفات الفنية لأجهزة الفحص الخاصة بالوصلات الميكروية

المواصفات الفنية	أجهزة فحص	#
<p><u>Specifications and Features:</u></p>	<p>BNC Cable tester عدد (2)</p>	<p>4</p>
<p>1. Coaxial cable (BNC) testing.</p>		
<p>2. Testing UTP and STP cables (RJ45) for 10 Base-T, EIA/TIA-568A, EIA/TIA-568B, AT&T258A, and Token Ring Cable.</p>		
<p>3. Fast and convenient testing</p>		
<p>4. Easy to read fault display</p>		
<p>5. Sleeping mode</p>		
<p>6. Automatic power disconnection</p>		
<p>7. Low battery LED indication</p>		
<p>8. Indicated faults:</p> <ul style="list-style-type: none"> a. no connection; b. short; c. opens; d. crosses (cross connected wire); miss wires 		

المواصفات الفنية لأجهزة الفحص الخاصة بالوصلات الميكروية		
المواصفات الفنية	أجهزة فحص	#
1. Lens configuration 8 elements / 6 groups	منظار مزدوج عدد (2)	5
2. Magnification: 10x		
3. Objective lens diameter : 42mm Ø		
4. Exit pupil diameter : 4.2mm Ø		
5. Actual field of view : 5.5°		
6. Apparent field of view : 55°		
7. Field of view at 100m : 9.61m		
8. Eye relief : 18.4mm		
9. Relative brightness: 17.6		
10. Closest focal point : 5m		
11. Type : Porro prism series		
12. Diopter adjustment range : over +/- 21/m		
13. Eye interval adjustment range : 60 - 70mm		
14. Lens quality : High-index BaK4 prisms		
15. Vision convenience : Long eye relief and adjustable		
16. Eyepieces : (twist up/down)		
17. Optical coating : Full multi-coating / UV		