

المواصفات الفنية الخاصة بالمناقصة العامة

رقم المناقصة : (٢٠١١/٣٨)

الخاصة بشراء وتوريد أجهزة قياس كابلات ألياف ضوئية

المؤسسة العامة للاتصالات السلكية واللاسلكية

الإدارة العامة للمشتريات والمخازن

إدارة المشتريات - قسم العقود والمناقصات

OTDR Specifications

Integrating multimode and single mode functions

Passive optical network (PON) testing capability

<1m dead zone

Long haul testing 350km ($\geq 45\text{dB}$) SM, 100km ($\geq 25\text{dB}$) MM

Rugged Platform

Compact Size

Large internal memory >1000 trace

Capability to transfer data to PC

Interfaces Ethernet, USB interfaces

Battery life ≥ 8 hours

Sampling Resolution <4cm

Colored LCD screen

AC input 100 to 240V, 50Hz to 60Hz

Operating temperature -10 to 50C°

Relative humidity 0% to 95% non-condensing

Drop, Drip, Dust resistance

If there is built-in power meter , Laser source. You can offer it as an option

Data sheet should be attached with the offer, *Hard and soft copy.*

Any other features will take in consideration



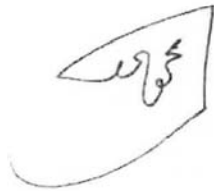
Power meter specifications

Measurement range	(-65dBm to +30)
Max. permitted input level	+30dBm
Wave Length range sitting	800 –1700nm
Optical connector	UPP adapter
Battery life	300hours
Resolution	0.01dB

Drop, Drip, Dust resistance

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A handwritten signature enclosed in a hand-drawn rectangular box.A handwritten signature, possibly reading 'M. S. ...', written in a cursive style.

Optical Laser source specifications

Laser type	Two FP Laser (SM , MM)
Wave Length range	850, 1310, 1550nm
Spectral Bandwidth	<7nm
Typical Output power	0dBm (SM), -20dBm (MM)
Optical connector	UPP adapter
Modulation Frequencies	<u>CW.2Hz@650nm</u> , CW_270Hz_1KHz_2KHz@1310nm, 1550nm
Battery life	120hours
Drop, Drip, Dust resistance	
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Any other features will take in consideration	



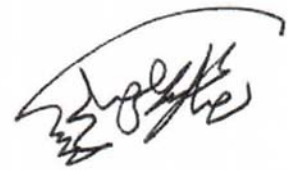
Fiber Identifier Specifications

Spectral response	800nm to 1700nm
Optical Tone Receiver	270Hz, 1KHz, 2KHz
Minimum Fiber Slack	0.75 inches required for detection
Typical loss in dB	<0.6dB @ 1310nm
Dual Window Single mode	8 to 10 μ m core diameter
Coating diameter	250 μ m, 900 μ m or 3mm diameter
Coating	high refractive index Acrylate
Battery Life	10000 reading at least
Optical Power Reading	-40dB to +20dB

Drop, Drip, Dust resistance

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Visible Fault Locator Specifications

Wavelength	650nm
Power output	\geq -5dB
Optical Connector	UPP adapter
Applications	SM, MM
Visible detection distance	>7km (SM), >5km (MM)
Battery Life	80hours

Drop, Drip, Dust resistance

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Any other features will take in consideration



Schedule of Quantities for tender No. 38/2011

No.	Items	Qty.	Unit price	Total price
1.	OTDR	4		
2.	Power Meter	8		
3.	Optical Laser Source	4		
4.	Fiber Identifier	4		
5.	Visible Fault Locator	15		