

Bid Document

Bid Details	
Bid End Date/Time	27-07-2020 10:00:00
Bid Opening Date/Time	27-07-2020 10:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	75 (Days)
Ministry/State Name	Ministry Of Defence
Department Name	Department Of Defence
Organisation Name	Indian Air Force
Office Name	*****
Total Quantity	1
Item Category	Optical Time Domain Reflectometer (OTDR)
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Document required from seller	OEM Authorization Certificate *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
Bid to RA enabled	No
Inspection Required	No

EMD Detail

Required	No
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ePBG Detail

Required	No
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Splitting

Bid splitting not applied.

Optical Time Domain Reflectometer (OTDR) (1 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
PERFORMANCE	Fiber Compatibility	Single Mode	Single Mode, Single Mode & Live Fiber Testing
	Central Wavelength (nm)	1310 & 1550 for Single Mode;	1310 & 1550 and 1625 / 1650 for for Single Mode & live Fiber testing, 1310 & 1550 for Single Mode;
	Wavelength Tolerance (±)	20	Less than 20.0 Or lower
	Dynamic range@ Max Wavelength	35	35.0 - 50.0 Or higher
	Event dead zone - Maximum	1	Less than 1.0 Or lower
	Attenuation dead zone - Maximum	4	Less than 4.0 Or lower
	Maximum Display Distance Range	-	*
	Pulse width Range	3 to 20000 for Single Mode/Live Fiber Testing	*
	Distance Measurement Accuracy (±)	1	Less than 1.0 Or lower
	Reflection Detection Accuracy (±)	± 4 dB for Single Mode or better	*
	Linearity (dB/dB) (±)	0.05	*
	Sampling points	256000	256000.0 - 256000.0 Or higher
	Measurement time	User Selectable 15 seconds to 180 seconds	*
DISPLAY / STORAGE	Display	Colour Display,LCD,Daylight Readable Display,Touch Screen,Backlit Display	*
	Display Size	5	5.0 - 12.0 Or higher
	Connectivity interface	USB	*
	Internal Storage OTDR traces	40000	40000

	External Storage / Memory Stick Slot provided	Mini SD	*
	External Storage Capacity inclusive in the scope of supply	32	32 Or higher
STABILIZED LIGHT SOURCE	Integrated Stabilized Light Source	Yes	*
	Light Source Wave Length	Same as OTDR	*
	Modulation	CW,270 Hz,1 kHz,2 kHz	*
	Optical output power	- 3 dBm for Multi Mode	*
	Optical output port	On OTDR Port	*
POWER SOURCE	Power Source	Internal / Removable-Rechargeable Battery	*
	Battery Chemistry, if Rechargeable Battery	Li-Ion	*
	Voltage of each Battery	-	*
	Battery Capacity (mAh)	3300	*
	Number of Batteries required for operation	1	*
	Number of Batteries supplied (Inclusive in the Scope of Supply)	1	*
	Operating Time per full charge (Minimum)	-	*
	Suitable Adapter to be supplied to make the equipment Work on 230 V \pm 10 %, 50 Hz	Yes	*
VISUAL FAULT LOCATOR (VFL) / VISUAL LIGHT SOURCE (VLS) FOR OTDR	Built-in Visual Fault Locator (VFL) / Visual Light Source (VSL)	Yes	Yes
	Wave Length Range (VFL/VSL)	650 nm \pm 20 nm	*
	Output Function (VFL/VSL)	CW	*
	Maximum Optical output power (Peak) (VFL/VSL) - dBm	- 3 dBm or more	*
	Laser Safety of VFL/VSL as per IEC 60825-1 latest or equivalent international standard	Class 2	*
POWER METER FOR	Built-in Power Meter	Yes	Yes

OTDR	Power Meter input port	Dedicated Port on OTDR	Dedicated Port on OTDR
	Wavelength Range	850 nm to 1650 nm	850 nm to 1650 nm
	Modulation (Power Meter)	CW,270 Hz,1 kHz,2 kHz	*
	Minimum Power measurement range (dBm)	-50	-70.0 - -50.0 Or lower
	Maximum Power measurement range (dBm)	20	*
	Accuracy (Power Meter) (±)	5	0.0 - 5.0 Or lower
GENERIC	Connector Tip	APC	APC
	Connector / Adapter End	SC,FC,LC,ST	*
	OTDR Data Format	.sor	*
	Laser Safety of OTDR as per IEC 60825-1 latest or equivalent international standard	Class 1M (1310 nm),Class 1M (1550 nm)	*
	Dimensions (mm x mm x mm)	-	*
	Weight (with battery)	-	*
SALIENT FEATURES	"Salient Features (Select Applicable Features Only)"	Supports 12 V External Battery	*
ACCESSORIES	Aceesories inclusive in the Scope of Supply (Select included Accessories Only)	Suitable Fiber Inspection Probe,DC vehicle battery-charging adaptor (12 V),Suitable VFL/VSL adapter,Carry Case,NA	Suitable Fiber Inspection Probe, DC vehicle battery-charging adaptor (12 V), Suitable VFL/VSL adapter, Carry Case, NA
OPERATING CONDITIONS	Minimum Operating Temperature	-10	Less than -10.0 Or lower
	Maximum Operating Temperature	55	More than 55.0 Or higher
	Maximum Operating Humidity	95	95.0 - 95.0 Or higher
WARRANTY	WARRANTY	1	1, 2, 3, 5 Or higher
CERTIFICATION	Conformance to Safety requirements as per IEC 61010- 1 latest or equivalent international standard	Yes	*
	Conformance to EMC	Yes	*

	requirements as per IEC 61326-1 latest or equivalent international standard		
	Certifications	CE,UL,RoHS	*
	Availability of Test Reports from Central Govt/ NABL/ ILAC accredited lab to prove conformity to the Specifications	Yes	Yes
	If Yes, Test Report to be furnished to the Buyer on demand	Yes	*
	Test Report No and Date	-	*
	Name of the Lab and Address	-	*

* Specifications highlighted in bold are the Golden Parameters.

* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement (allowed Values) by the Buyer.

Additional Specification Documents

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	*****	*****SONITPUR	1	30

Bid Specific Additional Terms and Conditions

1. Scope of supply (Bid price to include all cost components) : Only supply of Goods
2. IMPORTED PRODUCTS: In case of imported products, OEM or Authorized Seller of OEM should have a registered office in India to provide after sales service support in India. The certificate to this effect should be submitted.
3. Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.

[This Bid is also governed by the General Terms and Conditions](#)

---Thank You---