

### Bid Document

Bid Details	
Bid End Date/Time	17-07-2020 17:00:00
Bid Opening Date/Time	17-07-2020 17:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	30 (Days)
Ministry/State Name	Ministry Of Defence
Department Name	Department Of Defence
Organisation Name	Indian Army
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
Bid to RA enabled	Yes
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	<b>Fiber Compatibility</b>	Single Mode	Single Mode, Single Mode & Live Fiber Testing
	<b>Central Wavelength (nm)</b>	1310 & 1550 for Single Mode;	1310 & 1550 for Single Mode;
	<b>Wavelength Tolerance (±)</b>	20	Less than 30.0 Or lower
	<b>Dynamic range@ Max Wavelength</b>	24	24.0 - 50.0 Or higher
	<b>Event dead zone - Maximum</b>	3	Less than 3.0 Or lower
	<b>Attenuation dead zone - Maximum</b>	8	Less than 8.0 Or lower
	Maximum Display Distance Range	-	*
	Pulse width Range	3 to 20000 for Single Mode/Live Fiber Testing	*
	<b>Distance Measurement Accuracy (±)</b>	1	Less than 1.0 Or lower
	Reflection Detection Accuracy (±)	± 4 dB for Single Mode or better	*
	Linearity (dB/dB) (±)	0.05	*
	<b>Sampling points</b>	128000	128000.0 - 256000.0 Or higher
	Measurement time	User Selectable 15 seconds to 180 seconds	*
DISPLAY / STORAGE	Display	LCD	*
	<b>Display Size</b>	3.5	3.5 - 12.0 Or higher
	Connectivity interface	USB,RJ 45	*
	<b>Internal Storage OTDR traces</b>	10000	2000, 10000
	External Storage / Memory Stick Slot provided	Micro SD	*
	<b>External Storage Capacity inclusive in the scope of supply</b>	0	0, 1, 2, 4, 8, 16, 32 Or higher
STABILIZED LIGHT SOURCE	Integrated Stabilized Light Source	Yes	*
	Light Source Wave Length	Same as OTDR	*

POWER SOURCE	Modulation	CW,270 Hz,1 kHz,2 kHz	*
	Optical output power	- 6 dBm for Single Mode	*
	Optical output port	On OTDR Port	*
	Power Source	Internal / Removable-Rechargeable Battery	*
	Battery Chemistry, if Rechargeable Battery	Li-Polymer	*
	Voltage of each Battery	-	*
	Battery Capacity (mAh)	4000	*
	Number of Batteries required for operation	1	*
	Number of Batteries supplied (Inclusive in the Scope of Supply)	1	*
	Operating Time per full charge (Minimum)	-	*
VISUAL FAULT LOCATOR (VFL) / VISUAL LIGHT SOURCE (VLS) FOR OTDR	Suitable Adapter to be supplied to make the equipment Work on 230 V $\pm$ 10 %, 50 Hz	Yes	*
	<b>Built-in Visual Fault Locator (VFL) / Visual Light Source (VSL)</b>	Yes	Yes
	Wave Length Range (VFL/VSL)	650 nm $\pm$ 20 nm	*
	Output Function (VFL/VSL)	OFF,CW,Blink,NA	*
	Maximum Optical output power (Peak) (VFL/VSL) - dBm	- 3 dBm or more	*
POWER METER FOR OTDR	Laser Safety of VFL/VSL as per IEC 60825-1 latest or equivalent international standard	Class 2	*
	<b>Built-in Power Meter</b>	Yes	Yes
	<b>Power Meter input port</b>	Dedicated Port on OTDR	Dedicated Port on OTDR
	<b>Wavelength Range</b>	850 nm to 1650 nm	850 nm to 1650 nm
	Modulation (Power Meter)	CW,270 Hz,1 kHz,2 kHz,NA	*
	<b>Minimum Power measurement range (dBm)</b>	-50	-70.0 - -50.0 Or lower
	Maximum Power	26	*

	measurement range (dBm)		
	<b>Accuracy (Power Meter) (±)</b>	5	0.0 - 5.0 Or lower
GENERIC	<b>Connector Tip</b>	APC	APC
	Connector / Adapter End	SC,FC	*
	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)"	NA	*
ACCESSORIES	<b>Aceesories inclusive in the Scope of Supply (Select included Accessories Only)</b>	Carry Case	Carry Case
OPERATING CONDITIONS	<b>Minimum Operating Temperature</b>	-10	Less than -10.0 Or lower
	<b>Maximum Operating Temperature</b>	50	More than 50.0 Or higher
	<b>Maximum Operating Humidity</b>	95	95.0 - 95.0 Or higher
WARRANTY	<b>WARRANTY</b>	2	2, 3, 5 Or higher
CERTIFICATION	Conformance to Safety requirements as per IEC 61010- 1 latest or equivalent international standard	Yes	*
	Conformance to EMC requirements as per IEC 61326-1 latest or equivalent international standard	Yes	*
	Certifications	NA	*
	<b>Availability of Test Reports from Central Govt/ NABL/ ILAC accredited lab to prove conformity to the Specifications</b>	No	No
	If Yes, Test Report to	NA	*

	be furnished to the Buyer on demand		
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- \* 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	*****	*****JAMMU	1	30

### Bid Specific Additional Terms and Conditions

1. Scope of supply (Bid price to include all cost components) : Supply Installation Testing Commissioning of Goods and Training of operators and providing Statutory Clearances required (if any)
2. Successful bidder will have to ensure that adequate number of dedicated technical service personals / engineers are designated / deployed for attending to the Service Request in a time bound manner and for ensuring Timely Servicing / rectification of defects during warranty period, as per Service level agreement indicated in the relevant clause of the bid.
3. Timely Servicing / rectification of defects during warranty period: After having been notified of the defects / service requirement during warranty period, Seller has to complete the required Service / Rectification within 10 days time limit. If the Seller fails to complete service / rectification with defined time limit, a penalty of 0.5% of Unit Price of the product shall be charged as penalty for each week of delay from the seller. Seller can deposit the penalty with the Buyer directly else the Buyer shall have a right to recover all such penalty amount from the Performance Security (PBG).Cumulative Penalty cannot exceed more than 10% of the total contract value after which the Buyer shall have the right to get the service / rectification done from alternate sources at the risk and cost of the Seller besides forfeiture of PBG. Seller shall be liable to re-imburse the cost of such service / rectification to the Buyer.
4. ISO 9001: The bidder must have ISO 9001 certification.
5. Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.

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

**---Thank You---**