

Bid Document

Bid Details	
Bid End Date/Time	30-01-2019 09:00:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	15 (Days)
Ministry/State Name	Ministry Of Defence
Department Name	Department Of Defence Research & Development
Organisation Name	Defence Research And Development Organisation (drdo)
Office Name	Terminal Ballistics Research Laboratory, chandigarh
Total Quantity	2
Item Category	Digital Storage Oscilloscope
MSE Exemption For Years Of Experience And Turnover	Yes

Digital Storage Oscilloscope (2)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Allowed Values
PERFORMANCE FEATURES	Bandwidth	200	200.0, 300.0, 350.0, 500.0
	Bandwidth Upgradability	no	yes, no
	Operating System	Non -Windows	Windows, Non -Windows, NA
INPUT CHANNELS	Type of input channels	Analog, Analog and Digital (Mixed Signal)	Analog, Analog and Digital (Mixed Signal)
	Number of Analog Channels	2	2
	Record Length Per Analog Channel Simultaneously	100K points	2500 points, 10000 points, 1M points, 4M points, 10M points, 100K points, 20M points, 50M points, 2M points

	Sampling Rate Per Analog Channel Simultaneously	1 GS/sec	1 GS/sec, 2 GS/sec
	Digital Channels	no	yes, no
	Number of Digital Channels	NA	8, 16, NA
	Record Length Per Digital Channel Simultaneously	NA	100K point, 500K point, 1M point, 2M point, 4M point, 8M point, 16M point, 32M point, 64M point, NA
	Sampling Rate Per Digital Channel Simultaneously	NA	500MS/sec, 1GS/sec, 2GS/sec, NA
DISPLAY	Display Type	colour TFT	colour LCD, colour TFT, colour LED, monochrome CRT
	Minimum Display Size	5.5	*
MEASUREMENTS FEATURES	Vertical Sensitivity	2mV/Div to 5 V/Div	*
	Vertical Resolution	10	*
	Frequency Analysis Feature	no	*
	In-built Frequency Counter	no	*
	In-built Function Generator	no	*
	Time Base Range	-	*
	Time Base Accuracy	25	25.0, 50.0
GENERIC	Minimum Detectable Pulse Width	1	*
	Memory Upgradability	no	*
	Segmented Memory Feature Availability	no	*
	Waveform Update Rate (Waveform/sec)	50000	*
	Coupling	AC,DC	*
	Trigger Types	Edge,pulse width,External,runt	*
	Measurements	Math function-Add, subtract, multiply, divide,Automatic Measurements of Amplitude and time,Time & Voltage cursors,FFT	*

		(magnitude)	
	Acquisition Modes	Normal,Peak Detect,Averaging,High Resolution,Roll Mode,Sample,Envelope	*
	I/O Interface	USB,LAN Port/GPIB	*
	Power Source	Battery operated	*
	Any other features,if applicable	-	*
ACCESSORIES	Standard Accessories to be supplied	-	*
OPERATING CONDITION	Minimum Operating Temperature	0	*
	Maximum Operating Temperature	50	*
	Operating Humidity (RH)	95	*
SERVICE	Warranty	3	3, 4, 5 Or higher
TEST REPORT DETAILS & TESTS	conformity to Dry Heat for 16 hrs at specified maximum temp , in accordance with IS:900 0/part-3/section-5/1977 latest	yes	*
	conformity to Damp Heat (Cyclic)Test for 2 Cycles of 24 h each at a temp of 40 degree C & 95% RH in accordance with IS:900 0/part-5/section-1/ 1991 latest	yes	*
	conformity to Cold Test for 4 hrs at specified minimum temp in accordance with IS:900 0/part-2/section-4/1977 latest	yes	*
	Availability of Test Reports from Central Govt / NABL approved / ILAC accredited lab to prove conformity to the specification	yes	yes, NO
	Test Report Number and date for specification(not a part of biddable parameter)	-	*

	Name and Address of the Test lab(not a part of biddable parameter)	-	*
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* Bold specifications are the golden parameters.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Harish Kumar	134111,Terminal Ballistics Research Laboratory Ramgarh Range, Distt Panchkula	2	60

EMD Detail

Required	No
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ePBG Detail

Required	No
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Splitting

Bid splitting not applied.

Buyer Specific Additional Terms and Conditions

- 1. Scope of supply (Bid price to include all cost components) :** Supply Installation Testing and Commissioning of Goods

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

---Thank You---