Bid Document

Bid Details	
Bid End Date/Time	28-07-2020 12:00:00
Bid Opening Date/Time	28-07-2020 12:30:00
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 Production
Organisation Name	Indian Ordnance Factories
Office Name	***********
Total Quantity	1
Item Category	Digital Storage Oscilloscope
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Bid to RA enabled	No
Inspection Required	No

EMD Detail

Required	No

ePBG Detail

Required	No

Splitting

Bid splitting not applied.

Digital Storage Oscilloscope (1 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
INPUT CHANNELS	**Type of input channels**	Analog	Analog, Analog and Digital (Mixed Signal)
	Number of Analog Channels	4	2, 4

	Record Length Per Analog Channel Simultaneously	10M points	2500 points, 10000 points, 1M points, 4M points, 10M points, 100K points, 20M points, 5oM points, 2M points
	Sampling Rate Per Analog Channel Simultaneously	1 GS/sec	250 MS/sec, 500 MS/sec, 1 GS/sec, 2 GS/sec, 4 GS/sec, 5 GS/sec, 10 GS/sec, 20 GS/sec, 2.5 GS/sec, 40 GS/sec
	Digital Channels	no	yes, no
	Number of Digital Channels	NA	8, 16, NA
	Record Length Per Digital Channel Simultaneously	NA	*
	Sampling Rate Per Digital Channel Simultaneously	NA	500MS/sec, 1GS/sec, 2GS/sec, NA
PERFORMANCE FEATURES	**Bandwidth**	200	*
	Bandwidth Upgradability	no	yes, no
	Operating System	Non -Windows	Windows, Non -Windows, NA
DISPLAY	**Display Type**	colour TFT	colour LCD, colour TFT, colour LED, monochrome CRT
	Minimum Display Size	10	*
MEASUREMENTS FEATURES	Vertical Sensitivity	1mV/Div to 5 V/Div	*
	Vertical Resolution	10	*
	Frequency Analysis Feature	yes	*
	In-built Frequency Counter	yes	*
	In-built Function Generator	no	*
	Time Base Range	-	*
	Time Base Accuracy	5	*
GENERIC	Minimum Detectable Pulse Width	7	*
	Memory Upgradability	no	*
	Segmented Memory Feature Availability	no	*
	Waveform Update Rate (Waveform/sec)	50000	*
	Coupling	AC,DC,GND	*
	Trigger Types	Edge,pulse width,video,External,pattern	*
	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,Software for waveform analysis	*
	Power Source	230 V AC	*
	Any other features,if applicable	-	*
ACCESSORIES	Standard Accessories to be supplied	-	*
OPERATING CONDITION	Minimum Operating Temperature	0	*
	Maximum Operating Temperature	50	*
	Operating Humidity (RH)	90	*
SERVICE	**Warranty**	5	1, 2, 3, 4, 5 Or higher
TEST REPORT DETAILS & TESTS	conformity to Dry Heat for 16 hrs at specified maximum temp , in accordance with IS:9000/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:9000/part-5/section-1/1991 latest	yes	*
	conformity to Cold Test for 4 hrs at specified minimum temp in accordance with IS: 9000/part-2/section-4/1977 latest	yes	*
	Availability of Test Reports from Central Govt / NABL approved / ILAC acredited 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)	-	*

 * 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	***********	***********BALANGIR	1	90

Bid Specific Additional Terms and Conditions

1. 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-imberse the cost of such service / rectification to the Buyer.
2. 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---