

### Bid Document

Bid Details	
Bid End Date/Time	28-07-2020 10:00:00
Bid Opening Date/Time	28-07-2020 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 Production
Organisation Name	Indian Ordnance Factories
Office Name	*****
Total Quantity	4
Item Category	Digital Storage Oscilloscope
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	Yes
Inspection Required	No

### EMD Detail

Advisory Bank	State Bank of India
EMD Percentage(%)	3.00
EMD Amount	17370

### ePBG Detail

Advisory Bank	State Bank of India
ePBG Percentage(%)	5.00
Duration of ePBG required (Months).	62

(a). EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy.

(b). EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.

**Beneficiary:**

THE GENERAL MANAGER

Ordnance Factory Ambajhari Nagpur, Maharashtra, Department of Defence Production, Indian Ordnance Factories, Ministry of Defence  
(The General Manager)

**Splitting**

Bid splitting not applied.

**MSE Purchase Preference**

MSE Purchase Preference	Yes
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1. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for percentage of 25% of total value.

**Digital Storage Oscilloscope ( 4 pieces )**

**Technical Specifications**

[\\* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
INPUT CHANNELS	Type of input channels	Analog	Analog
	Number of Analog Channels	4	4

	<b>Record Length Per Analog Channel Simultaneously</b>	10M points	10M points
	<b>Sampling Rate Per Analog Channel Simultaneously</b>	2 GS/sec	2 GS/sec
	<b>Digital Channels</b>	no	no
	<b>Number of Digital Channels</b>	NA	NA
	<b>Record Length Per Digital Channel Simultaneously</b>	NA	NA
	<b>Sampling Rate Per Digital Channel Simultaneously</b>	NA	2GS/sec, NA
PERFORMANCE FEATURES	<b>Bandwidth</b>	100	100.0
	<b>Bandwidth Upgradability</b>	yes	yes
	<b>Operating System</b>	Non -Windows	Non -Windows
DISPLAY	<b>Display Type</b>	colour TFT	colour TFT
	<b>Minimum Display Size</b>	8.5	8.5
MEASUREMENTS FEATURES	Vertical Sensitivity	1mV/Div to 5 V/Div	*
	Vertical Resolution	8	*
	Frequency Analysis Feature	yes	*
	In-built Frequency Counter	yes	*
	In-built Function Generator	no	*
	Time Base Range	-	*
	<b>Time Base Accuracy</b>	25	25.0
GENERIC	Minimum Detectable Pulse Width	5	*
	Memory Upgradability	yes	*
	Segmented Memory Feature Availability	yes	*
	Waveform Update Rate (Waveform/sec)	200000	*
	Coupling	AC,DC,GND	*
	Trigger Types	Edge,pulse width,video, pattern/state,External, Zone Qualified triggerin g,runt,setup/hold,patte rn,burst	*

	Measurements	Math function-Add, subtract, multiply, divide, Automatic Measurements of Amplitude and time, FFT (phase), low-pass filter, Frequency Domain function, Time & Voltage cursors, FFT (magnitude), Automatic Measurements related to combination, histogram and communication	*
	Acquisition Modes	Normal, Peak Detect, Averaging, High Resolution, Roll Mode, Sample, Envelope, Waveform database	*
	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	55	*
	Operating Humidity (RH)	80	*
SERVICE	<b>Warranty</b>	5	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	yes	*

	accordance with IS:9000/part-2/section-4/1977 latest		
	<b>Availability of Test Reports from Central Govt / NABL approved / ILAC accredited lab to prove conformity to the specification</b>	yes	yes
	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	*****	*****NAGPUR	4	30

#### Bid Specific Additional Terms and Conditions

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

---Thank You---

