

### Bid Document

Bid Details	
Bid End Date/Time	20-07-2020 12:00:00
Bid Opening Date/Time	20-07-2020 12:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	30 (Days)
Ministry/State Name	Ministry Of Human Resource Development
Department Name	Department Of Higher Education
Organisation Name	Jawaharlal Nehru University (jnu)
Office Name	South West Delhi
Total Quantity	1
Item Category	function generator
Bidder Turnover (Last 3 Years)	1 Lakh (s)
Experience Criteria	3 Year (s)
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Document required from seller	Experience Criteria,Bidder Turnover,OEM Authorization Certificate,OEM Annual Turnover *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.

1. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for number of years as indicated in the bid document before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the year. In case of bunch bids, the category of primary product having highest value should meet this criterion.

## Function Generator ( 1 pieces )

### Technical Specifications

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

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
MEASUREMENT FEATURES	<b>Frequency Bandwidth (Sine Wave)</b>	10 mHz to 25 MHz	10 mHz to 25 MHz
	<b>Number of channels</b>	2	2
	Standard Waveforms	Sine,Square,Pulse,Ram p,Noise,Sin(x)/x,Expone ntional rise/fall,Gussian,DC Offset	*
	<b>Band Width of Arbitrary Waveform Generator</b>	10 mHz to 25 MHz	10 mHz to 25 MHz
	<b>Sample Rate of Arbitrary Waveform Generator (Mega Samples/sec)</b>	250	250
	<b>Record Length of Arbitrary Waveform Generator (Kilo Points)</b>	1000	1000
	Waveform Memory of Arbitrary Waveform Generator (Waveforms)	4	*
	Vertical Resolution	16	*
	<b>Amplitude Range (at 50 ohm impedance)</b>	10mV to 10 V pp	10mV to 10 V pp
	Modulation	AM,FM,PM,FSK,Burst,P WM,Sweep	*
GENERIC	Interface	USB,GPIB,LAN	*
	Display Type	LED	*

	Display Size	4.3	*
	Any others features,if applicable	-	*
ACCESSORIES	Details of Standard Accessories To be supplied with the devices	-	*
POWER SOURCE	Power Requirements	230 V +/-10% AC, 50 Hz +/- 3%	*
OPERATING CONDITION	Minimum Operating Temperature	0	*
	Maximum Operating Temperature	55	*
	Operating Humidity (RH) at 40 deg C non condensing (%)	80	*
SERVICE	<b>Warranty</b>	3	3.0
CERTIFICATION & TEST REPORT DETAILS	The equipment supplied with calibration certificate	yes	*
	conformity to Dry Heat for 16 hrs at a specified maximum temp in accordance with IS:9000/part-3/section-5/1977 latest	yes	*
	conformity to Cold Test for 4 hrs at a specified minimum temp in accordance with IS:9000/part-2/section-4/1977 latest	yes	*
	conformity to Damp Heat (Cyclic)Test for 2 Cycles of 24 h each at a temp of 40 degree C & 95% RH	yes	*
	Availability of Test Reports from Central Govt/NABL/ILAC approved accredited lab to prove conformity to the specification	yes	*
	Test Report Number and date for the specification test (not a part of biddable parameter)	-	*
	Name and address of the Lab for the	-	*

specification test (not a part of biddable parameter)		
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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	Paulraj Rajamani	110067,SES, Jawaharlal Nehru University, New Campus, New Delhi	1	15

### Bid Specific Additional Terms and Conditions

1. Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning 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. 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.
4. 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 3 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.
5. Availability of Service Centres: Bidder/OEM must have a Functional Service Centre in the State of each Consignee's Location in case of carry-in warranty. (Not applicable in case of goods having on-site warranty). If service center is not already there at the time of bidding, successful bidder / OEM shall have to establish one within 30 days of award of contract. Payment shall be released only after submission of documentary evidence of having Functional Service Centre.
6. Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.
7. 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---**