

Bid Document

Bid Details	
Bid End Date/Time	20-07-2020 17:00:00
Bid Opening Date/Time	2020-07-20 17:30:00
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	spectrum analyzers vector network analyzers
Bidder Turnover (Last 3 Years)	8 Lakh (s)
OEM Average Turnover (Last 3 Years)	60 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,Past Performance,Bidder Turnover,Certificate (Requested in ATC),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
Past Performance	50 %
Bid to RA enabled	No
Inspection Required	No
Estimated Bid Value	1700000

EMD Detail

Required	No
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ePBG Detail

Required

No

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.
2. OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.
3. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 50% of bid quantity, in at least one of the last three years before the bid opening date to any Central / State Govt Organization / PSU / Public Listed Company. Copies of relevant contracts (proving supply of cumulative order quantity in any one year) to be submitted along with bid in support of quantity supplied in the relevant year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.

Spectrum Analyzers Vector Network Analyzers (1 pieces)**Technical Specifications**

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
FEATURES	Description of the itemuu	Two port vector network analyzers (without spectrum analyser)	Two port vector network analyzers (without spectrum analyser)
GENERAL FEATURES COMMON TO SPECTRUM AND VECTOR ANALYSER	Markers	Normal,delta	*
	Trigger	Free run,video,External	*
	Display	TFT Colour display with provision for three traces	*
	Interface	USB,LAN	*

	Software for transfer of screen shot/measurement data to PC	Yes	*
SPECTRUM ANALYZER FEATURES	Frequency Range	NA	NA
	Aging rate of spectrum analyzer frequency: Better than 1x10 ⁻⁶ /Year	NA	*
	Frequency counter Resolution(minimum) (Hz)	NA	*
	Frequency Span	NA	NA
	Spectral purity:SSB Phase Noise @10KHz offset shall be less than -90dBc/Hz at 1GHz	NA	*
	Spectral purity:Harmonics @ -40dBm level <=60 dBc	NA	*
	Sweep time @span >or= 1 KHz	NA	*
	Sweep time @span = 0 Hz	NA	*
	Resolution Bandwidth (-3dB)	NA	*
	Video Bandwidth	NA	*
	Amplitude : Max input level for protection (dBm)	NA	*
	Amplitude : Max input level for measurement (dBm)	NA	*
	Amplitude :level measurement uncertainty (dB)	NA	*
	Average noise level displayed(@300HzRBW,10 Hz VBW)	NA	*
	Average noise level displayed(@100HzRBW,1 Hz VBW)	NA	*
	Average noise level displayed(@300HzRBW,1 Hz VBW)	NA	*
	Measurement features	NA	*

VECTOR NETWORK ANALYZER FEATURES	Frequency Range for 2port vector network analyzer	30 KHz to 18 GHz	*
	Frequency Resolution (CW ON) (Hz)	10	*
	Return Loss (dB)	0.00 to 60	*
	VSWR (dB)	1.01 to 10.00	*
	Cable Loss (dB)	0.00 to 30.00	*
	Calibration with Precision calibration components-open, short, load should be included to achieve directivity >35 dB	Yes	*
	Ability to locate Distance-to-fault in Co-axial cables	yes	*
	Phase Range (degree)	-180 to +180	*
	Phase Resolution (deg)	0.01	*
	RF output port	Type N, female, 50Ohm	*
	Dynamic Range	>100	*
	Nominal port power output: Hi Power/Lo-Power selectable	yes	*
	Power levels corresponding to Hi and Lo levels	-	*
	Measurement of S11 and S21 and Smith Chart	Yes	*
	Vector Voltmeter for comparison and verification of the phase of the phase-matched cables	Yes	*
	Group Delay measurement	-	*
OPERATING CONDITIONS	Operating Temperature	'5 to 40 degree C & 80% RH @ 40 degree C	'5 to 40 degree C & 80% RH @ 40 degree C
	Operating Humidity	80% RH @ 40 degree C	80% RH @ 40 degree C
POWER REQUIREMENT	Power requirement	230 +- 10 VAC, 50Hz,Rechargeable battery	230 +- 10 VAC, 50Hz, Rechargeable battery
	chemistry of the battery	lithium ion	*
	Voltage of	10.8	*

	rechargeable Battery		
	capacity of rechargeable battery (millAh)	4600	*
	Suitable charger / adaptor provided	Yes	*
WARRANTY	Warranty	3	3, 4, 5 Or higher
ACCESSORIES	Details of Standard accessories covered in the scope of supply	-	*
GENERIC	Other features	-	*
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	-	*
	Name and address of the Lab for the specification test	-	*

* 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	Amba Datt Bahuguna	110067, School of Engineering JNU New Campus New Delhi	1	45

Bid Specific Additional Terms and Conditions

1. The buyer organization is an institution eligible for concessional rates of GST as notified by the Government of India. The goods for which bids have been invited fall under classification of GST concession and the conditions for eligibility of concession are met by the institution. A certificate to this effect will be issued by Buyer to the Seller after award of the Contract. Sellers are requested to submit their bids after accounting for the Concessional rate of GST. Applicable Concessional rate of GST : 5%
Notification No. and date : TU/V/RG-CDE (5)/2016 dated 23/09/2016
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. ISO 9001: The bidder must have ISO 9001 certification.
4. The bidder is required to upload, along with the bid, all relevant certificates such as BIS licence, type test certificate, approval certificates and other certificates as prescribed in the Product Specification given in the bid document.
5. Bidder Turn Over Criteria: The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.
6. OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria. In case of bunch bids, the OEM of CATEGORY RELATED TO primary product having highest bid value should meet this criterion.
7. 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.
8. Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.
9. Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.
10. 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 15 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.

11. The Bidder / OEM {themselves or through reseller(s)}, should have executed project for supply and installation / commissioning of same or similar Category Products during preceding 3 financial years (i.e. current year and three previous financial years) as on opening of bid, as per following criteria:

- (i) Single order of at least 35% of estimated bid value; or
- (ii) Two orders of at least 20% each of estimated bid value; or
- (iii) Three orders of at least 15% each of estimated bid value.

Satisfactory Performance certificate issued by respective Buyer Organization for the above Orders should be uploaded with bid. In case of bunch bids, the Category related to primary product having highest bid value should meet this criterion

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

---Thank You---