

Bid Document

Bid Details	
Bid End Date/Time	26-07-2021 15:00:00
Bid Opening Date/Time	26-07-2021 15:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	75 (Days)
Ministry/State Name	Ministry Of Human Resource Development
Department Name	Department Of Higher Education
Organisation Name	Indian Institute Of Science Education And Research (iisers)
Office Name	Pune 411008
Total Quantity	1
Item Category	Spectrum Analyzers Vector Network Analyzers-IS 9000
Minimum Average Annual Turnover of the Bidder	5 Lakh (s)
OEM Average Turnover (Last 3 Years)	6 Lakh (s)
Years of Past Experience required	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	30 %
Bid to RA enabled	No
Time allowed for Technical Clarifications during technical evaluation	2 Days
Estimated Bid Value	1200000
Evaluation Method	Total value wise evaluation

EMD Detail

Required	No
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ePBG Detail

Advisory Bank	State Bank of India
ePBG Percentage(%)	3.00
Duration of ePBG required (Months).	36

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

Beneficiary:

Director

Indian Institute of Science Education and Research (IISERs), Ministry of Education, , Department of Higher Education, Dr Homi Bhabha Road, Pune 411008

(Indian Institute Of Science Education And Research, Pune)

Splitting

Bid splitting not applied.

Reserved for Make In India products

Reserved for Make In India products	Yes
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Reserved for MSE

Reserved for MSE	Yes
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1. 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 above 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.
2. 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 Financial years as indicated above 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 Financial year. In case of bunch bids, the category of primary product having highest value should meet this criterion.
3. 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.
4. Bid reserved for Make In India products: : Procurement under this bid is reserved for purchase from Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. However, eligible micro and small enterprises will be allowed to participate. The minimum local content to qualify as a class 1 local supplier is denoted in the bid document. All bidders must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which the bid is liable to be rejected. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020 . In case Buyer has selected Purchase preference to Micro and Small Enterprises clause in the bid, the same will get

precedence over this clause.

5. Procurement under this bid is reserved for purchase from Micro and Small Enterprises whose credentials are validated online through Udyog Aadhaar for that product category. If the bidder wants to avail the reservation benefit, 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.

6. Estimated Bid Value indicated above is being declared solely for the purpose of guidance on EMD amount and for determining the Eligibility Criteria related to Turn Over, Past Performance and Project / Past Experience etc. This has no relevance or bearing on the price to be quoted by the bidders and is also not going to have any impact on bid participation. Also this is not going to be used as a criteria in determining reasonableness of quoted prices which would be determined by the buyer based on its own assessment of reasonableness and based on competitive prices received in Bid / RA process.

7. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 30% of bid quantity, in at least one of the last three Financial 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 financial year) to be submitted along with bid in support of quantity supplied in the relevant Financial 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-IS 9000 (1 pieces)

(Minimum 50% Local content required for MII compliance)

Brand Type	Registered Brand
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Technical Specifications

* [As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
FEATURES	Description of the itemuu	Spectrum analyzers
GENERAL FEATURES COMMON TO SPECTRUM AND VECTOR ANALYSER	Markers	Normal, delta
	Trigger	Free run, video, External
	Display	NA
	Interface	USB, LAN
	Software for transfer of screen shot/measurement data to PC	Yes
SPECTRUM ANALYZER FEATURES	Frequency Range	9 kHz to 7 GHz
	Aging rate of spectrum analyzer frequency: Better than 1×10^{-6} /Year	Yes
	Frequency counter Resolution(minimum) (Hz)	1
	Frequency Span	1kHz to 7GHz
	Spectral purity:SSB Phase Noise @10KHz offset shall be less than -90dBc/Hz at 1GHz	Yes
	Sweep time @span \geq 1 KHz	0.1S to 1000 s
	Sweep time @span = 0 Hz	10 micro S to 2000 S
	Resolution Bandwidth (-3dB)	10 Hz to 3 MHz in steps

Specification	Specification Name	Bid Requirement (Allowed Values)
	Video Bandwidth	10Hz to 1 MHz in steps
	Amplitude : Max input level for protection (dBm)	+30
	Amplitude : Max input level for measurement (dBm)	20
	Amplitude :level measurement uncertainty (dB)	<=1, <=±1
	Average noise level displayed(@300HzRBW,10Hz VBW)	<=-130dBm for 10MHz to 3 GHz &
	Average noise level displayed(@100HzRBW,1Hz VBW)	<=-130dBm for 10MHz to 3 GHz &
	Average noise level displayed(@300HzRBW,1Hz VBW)	<=-130dBm for 10MHz to 3 GHz &
	Measurement features	C/N ratio,AM%,time domain power measurement,channel power measurement,Phase noise measurement,TOI(THIRD ORDER INTERCEPT),OBW(occupied bandwidth), Interference analyser and spectrogram, Channel scanner, Digital Demodulation (> 40 schemes), Analog Demodulation, Tracking Generator (CW) upto frequency of instrument, Built-in power meter, Noise Figure (NF), Indoor and outdoor mapping, I/Q Analyzer (IQA), Preamp, Harmonics, Pulse Analysis, Burst Power Detection, Frequency Error, Spurious Emissions, Interference Analysis with Directional Antenna, Mapping and Direction Finding using Interference Hunter with Directional Antenna, Analysis Bandwidth 40MHz, GSM-R for Railways, ZigBee, 802.11a/b/g/j/n/p, WCDMA, EDGE, GPRS, GSM, IQ capture and streaming, DMR Phase I, Real Time Spectrum Analyzer, Built-in Analog Signal Generator for 1.6GHz Spectrum Analyzer, C/N ratio, AM,FM,PM demodulation, time domain power measurement, channel power measurement, Phase noise measurement, TOI(THIRD ORDER INTERCEPT), OBW(occupied bandwidth), Pulse Profile Measurement, adjacent channel power, signal bandwidth, center frequency, interference detection, mask
VECTOR NETWORK ANALYZER FEATURES	Frequency Range for 2port vector network analyzer	NA
	Frequency Resolution (CW ON) (Hz)	NA
	Return Loss (dB)	NA
	VSWR (dB)	NA
	Cable Loss (dB)	NA

Specification	Specification Name	Bid Requirement (Allowed Values)
	Calibration with Precision calibration components-open, short, load should be included to achieve directivity >35 dB hint: NA for items designated as spectrum analyzers	NA
	Ability to locate Distance-to-fault in Co-axial cables	yes
	RF output port	RF output port - Type N, Male/Female, 50 OHMS
	Nominal port power output: Hi Power/Lo-Power selectable	NA
OPERATING CONDITIONS	Operating Temperature	'5 to 40 degree C & 80% RH @ 40 degree C
	Operating Humidity	80% RH @ 40 degree C
POWER REQUIREMENT	Power requirement	230 +- 10 VAC, 50Hz, Rechargeable battery, Rechargeable battery, battery life up to 4 hours
	capacity of rechargeable battery (millAh)	More than 6140.0 Or higher
WARRANTY	Warranty	3, 4, 5 Or higher
CERTIFICATION/TEST REPORT DETAILS	conformity to Dry Heat for 16 hrs at a specified maximum temp in accordance with IS:9000/part-3/section-5/1977 latest	no
	conformity to Cold Test for 4 hrs at a specified minimum temp in accordance with IS:9000/part-2/section-4/1977 latest	no
	conformity to Damp Heat (Cyclic)Test for 2 Cycles of 24 h each at a temp of 40 degree C & 95% RH	no
	Availability of Test Reports from Central Govt/NABL/ILAC approved accredited lab to prove conformity to the specification	Yes

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	John Albert K	411008, Indian Institute of Science Education and Research, Pune (IISER) Dr.Homi Bhabha Road , Pashan, Pune Email: purchase@iiserpune.ac.in For Delivery Status: 020 2590 8169 For Payment Status: 020 2590 8180/8452	1	30

Buyer Added Bid Specific Additional Terms and Conditions

1. 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.
2. 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.
3. **Bidder financial standing:** The bidder should not be under liquidation, court receivership or similar proceedings, should not be bankrupt. Bidder to upload undertaking to this effect with bid.
4. Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.
5. Warranty period of the supplied products shall be 3 years from the date of final acceptance of goods or after completion of installation, commissioning & testing of goods (if included in the scope of supply), at consignee location. OEM Warranty certificates must be submitted by Successful Bidder at the time of delivery of Goods. The seller should guarantee the rectification of goods in case of any break down during the guarantee period. Seller should have well established Installation, Commissioning, Training, Troubleshooting and Maintenance Service group in INDIA for attending the after sales service. Details of Service Centres near consignee destinations are to be uploaded along with the bid.
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.
8. **End User Certificate:** Wherever Bidders are insisting for End User Certificate from the Buyer, same shall be provided in Buyer's standard format only.
9. 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 3 years 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 primary product having highest value should meet this criterion.
10. Without prejudice to Buyer's right to price adjustment by way of discount or any other right or remedy available to Buyer, Buyer may terminate the Contract or any part thereof by a written notice to the Seller, if:
 - i) The Seller fails to comply with any material term of the Contract.
 - ii) The Seller informs Buyer of its inability to deliver the Material(s) or any part thereof within the stipulated Delivery Period or such inability otherwise becomes apparent.
 - iii) The Seller fails to deliver the Material(s) or any part thereof within the stipulated Delivery Period and/or to replace/rectify any rejected or defective Material(s) promptly.
 - iv) The Seller becomes bankrupt or goes into liquidation.

- v) The Seller makes a general assignment for the benefit of creditors.
- vi) A receiver is appointed for any substantial property owned by the Seller.
- vii) The Seller has misrepresented to Buyer, acting on which misrepresentation Buyer has placed the Purchase Order on the Seller.

11. 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-imburse the cost of such service / rectification to the Buyer.
12. 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 : The rate of GST applicable to IISER Pune is 5% for the items procured for Research purpose as per Notification No. 45/2017-Central Tax (Rate) New Delhi, 14th November, 2017 and Notification No. 47/2017-Integrated Tax (Rate) New Delhi, 14th November, 2017 dated 14/11/2017 dated 14/11/2017 dated 14/11/2017
13. Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods
14. Products supplied shall be nontoxic and harmless to health. In the case of toxic materials, Material Safety Data Sheet may be furnished along with the material.
15. IT equipment shall be IPv6 ready from day one.
16. ISO 9001: The bidder or the OEM of the offered products must have ISO 9001 certification.
17. Malicious Code Certificate:

The seller should upload following certificate in the bid:-
(a) This is to certify that the Hardware and the Software being offered, as part of the contract, does not contain Embedded Malicious code that would activate procedures to :-
 - (i) Inhibit the desires and designed function of the equipment.
 - (ii) Cause physical damage to the user or equipment during the exploitation.
 - (iii) Tap information resident or transient in the equipment/network.
(b) The firm will be considered to be in breach of the procurement contract, in case physical damage, loss of information or infringements related to copyright and Intellectual Property Right (IPRs) are caused due to activation of any such malicious code in embedded software.
18. 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.
19. Procurement under this bid is reserved for purchase from Micro and Small Enterprises whose credentials are validated online through Udyog Aadhaar for that product category. If the bidder wants to avail the reservation benefit, 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.
20. Successful Bidder can submit the Performance Security in the form of Account Payee Demand Draft also (besides PBG which is allowed as per GeM GTC). DD should be made in favour of Director, Indian Institute of Science Education and Research payable at Pune. After award of contract, Successful Bidder can upload scanned copy of the DD in place of PBG and has to ensure delivery of hard copy to the original DD to the Buyer within 15 days of award of contract.

Disclaimer

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization. Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specification and / or terms and conditions governing the bid. Any clause incorporated by the Buyer such as demanding Tender Sample, incorporating any clause against the MSME policy and Preference to make in India Policy, mandating any Brand names or Foreign Certification, changing the default time period for Acceptance of material or payment timeline governed by OM of Department of Expenditure shall be null and void and would not be considered part of bid. Further any reference of conditions published on any external site or reference to external documents / clauses shall also be null and void. If any seller has any objection / grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

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

In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws.

---Thank You---