

### Bid Document

Bid Details	
Bid End Date/Time	20-07-2020 15:00:00
Bid Opening Date/Time	20-07-2020 15:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	60 (Days)
Ministry/State Name	Ministry Of Information And Broadcasting
Department Name	Na
Organisation Name	Prasar Bharati Broadcasting Corporation Of India
Office Name	Adg(e)(ez) Air & Dd Kolkata
Total Quantity	1
Item Category	spectrum analyzers vector network analyzers
OEM Average Turnover (Last 3 Years)	20 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,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	80 %
Bid to RA enabled	No
Inspection Required	No

### EMD Detail

Advisory Bank	State Bank of India
EMD Percentage(%)	2.00
EMD Amount	10316

### ePBG Detail

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Advisory Bank	State Bank of India
ePBG Percentage(%)	10.00
Duration of ePBG required (Months).	38

(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:**

Assistant Engineer

Prasar Bharati, O/o Additional Director General (E) East Zone, All India Radio & Doordarshan, Kolkata (Subrata Bhowmick)

#### **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 80% 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	<b>Description of the item</b>	Spectrum analyzers	Spectrum analyzers
GENERAL FEATURES COMMON TO SPECTRUM AND VECTOR ANALYSER	Markers	Normal,delta	*
	Trigger	video,External,Free run	*
	Display	TFT Colour display with provision for three traces	*
	Interface	USB	*
	Software for transfer of screen shot/measurement data to PC	Yes	*
SPECTRUM ANALYZER FEATURES	<b>Frequency Range</b>	9 kHz to 3 GHz	9 kHz to 3 GHz
	Aging rate of spectrum analyzer frequency: Better than 1x10-6 /Year	Yes	*
	Frequency counter Resolution(minimum) (Hz)	1	*
	<b>Frequency Span</b>	100Hz to 3GHz	100Hz to 3GHz
	Spectral purity:SSB Phase Noise @10KHz offset shall be less than -90dBc/Hz at 1GHz	Yes	*
	Spectral purity:Harmonics @ -40dBm level <=60 dBc	yes	*
	Sweep time @span >or= 1 KHz	0.1S to 1000 s	*
	Sweep time @span = 0 Hz	100 micro S to 20 S	*
	Resolution Bandwidth (-3dB)	100 Hz to 3 MHz in steps	*
	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)	<=2	*

VECTOR NETWORK ANALYZER FEATURES	Average noise level displayed(@300HzRBW,10 Hz VBW)	<=-110dBm for 10MHz to 3 GHz	*
	Average noise level displayed(@100HzRBW,1 Hz VBW)	<=-110dBm for 10MHz to 3 GHz	*
	Average noise level displayed(@300HzRBW,1 Hz VBW)	<=-110dBm 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)	*
	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	*
	Calibration with Precision calibration components-open, short, load should be included to achieve directivity >35 dB	NA	*
	Ability to locate Distance-to-fault in Co-axial cables	NA	*
	Phase Range (degree)	NA	*
	Phase Resolution (deg)	NA	*
	RF output port	NA	*
	Dynamic Range	NA	*
	Nominal port power output: Hi Power/Lo-Power selectable	NA	*
	Power levels corresponding to Hi and Lo levels	-	*
	Measurement of S11 and S21 and Smith Chart	NA	*

	Vector Voltmeter for comparison and verification of the phase of the phase-matched cables	NA	*
	Group Delay measurement	-	*
OPERATING CONDITIONS	<b>Operating Temperature</b>	'5 to 40 degree C & 80% RH @ 40 degree C	'5 to 40 degree C & 80% RH @ 40 degree C
	<b>Operating Humidity</b>	80% RH @ 40 degree C	80% RH @ 40 degree C
POWER REQUIREMENT	<b>Power requirement</b>	230 +- 10 VAC, 50Hz, Rechargeable battery	230 +- 10 VAC, 50Hz, Rechargeable battery
	chemistry of the battery	lithium ion	*
	Voltage of rechargeable Battery	10.8	*
	capacity of rechargeable battery (millAh)	7500	*
	Suitable charger / adaptor provided	Yes	*
WARRANTY	<b>Warranty</b>	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	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	Yes	*

	Govt/NABL/ILAC approved accredited lab to prove conformity to the specification		
	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	Sadip Haldar	700095,18/3, UDAY SHANKAR SARANI, GOLF GREEN, KOLKATA	1	60

### Bid Specific Additional Terms and Conditions

- 1. Upload Manufacturer authorization:** Wherever Authorised Distributors are submitting the bid, Manufacturers Authorisation Form (MAF)/Certificate with OEM details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid.
- Data Sheet of the product(s) offered in the bid, are to be uploaded along with the bid documents. Buyers can match and verify the Data Sheet with the product specifications offered. In case of any unexplained mismatch of technical parameters, the bid is liable for rejection.
- 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:
  - The Seller fails to comply with any material term of the Contract.
  - 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.
  - 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.
  - The Seller becomes bankrupt or goes into liquidation.
  - The Seller makes a general assignment for the benefit of creditors.
  - A receiver is appointed for any substantial property owned by the Seller.
  - The Seller has misrepresented to Buyer, acting on which misrepresentation Buyer has placed the Purchase Order on the Seller.
- Scope of supply (Bid price to include all cost components) : Only supply of Goods
- 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.
6. 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.
  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. 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.
  11. 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.
  12. 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.
  13. 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
  14. For fulfilling the experience criteria any one of the following documents may be considered as valid proof for meeting the experience criteria:
    - a. Purchase Order copy along with Invoice(s) with self-certification by the bidder that supplies against the invoices have been executed.
    - b. Execution certificate by client with order value.
    - c. Any other document in support of order execution like Third Party Inspection release note, etc.
  15. 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---**