

## Bid Document

Bid Details	
<b>Bid End Date/Time</b>	05-08-2021 16:00:00
<b>Bid Opening Date/Time</b>	05-08-2021 16:30:00
<b>Bid Life Cycle (From Publish Date)</b>	90 (Days)
<b>Bid Offer Validity (From End Date)</b>	80 (Days)
<b>Ministry/State Name</b>	Ministry Of Home Affairs
<b>Department Name</b>	Central Armed Police Forces
<b>Organisation Name</b>	Directorate Of Coordination Police Wireless
<b>Office Name</b>	New Delhi
<b>Total Quantity</b>	1
<b>Item Category</b>	Spectrum Analyzers Vector Network Analyzers-IS 9000
<b>Minimum Average Annual Turnover of the Bidder</b>	15 Lakh (s)
<b>OEM Average Turnover (Last 3 Years)</b>	100 Lakh (s)
<b>Years of Past Experience required</b>	2 Year (s)
<b>MSE Exemption for Years Of Experience and Turnover</b>	Yes
<b>Startup Exemption for Years Of Experience and Turnover</b>	Yes
<b>Document required from seller</b>	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
<b>Past Performance</b>	20 %
<b>Bid to RA enabled</b>	Yes
<b>Time allowed for Technical Clarifications during technical evaluation</b>	2 Days
<b>Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)</b>	No
<b>Evaluation Method</b>	Total value wise evaluation

### EMD Detail

Advisory Bank	State Bank of India
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EMD Percentage(%)	5.00
EMD Amount	177500

#### ePBG Detail

Advisory Bank	State Bank of India
ePBG Percentage(%)	3.00
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:

Deputy Director

New Delhi, Central Armed Police Forces, Directorate of Coordination Police Wireless, Ministry of Home Affairs  
(Vikram Singh Panwar)

#### Splitting

Bid splitting not applied.

#### MII Purchase Preference

MII Purchase Preference	Yes
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#### MSE Purchase Preference

MSE Purchase Preference	Yes
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1. If the bidder is a Micro or Small Enterprise as per latest definitions under MSME rules, the bidder shall be exempted from the requirement of "Bidder Turnover" criteria and "Experience Criteria". If the bidder is OEM of the offered products, it would also be exempted from the "OEM Average Turnover" criteria. In case any bidder is seeking exemption from Turnover / Experience Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer.
2. If the bidder is a Startup, the bidder shall be exempted from the requirement of "Bidder Turnover" criteria and "Experience Criteria". If the bidder is OEM of the offered products, it would also be exempted from the "OEM Average Turnover" criteria. In case any bidder is seeking exemption from Turnover / Experience Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer.
3. 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.
4. 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.

5. 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.

6. Preference to Make In India products (For bids < 200 Crore): Preference shall be given to 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. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document. If the bidder wants to avail the Purchase preference, the bidder 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 no purchase preference shall be granted. 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. Only Class-I and Class-II Local suppliers as per MII order dated 4.6.2020 will be eligible to bid. Non - Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. However, eligible micro and small enterprises will be allowed to participate .In case Buyer has selected Purchase preference to Micro and Small Enterprises clause in the bid, the same will get precedence over this clause.

7. 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% (Selected by Buyer) 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 25%(selected by Buyer) percentage of total QUANTITY.

8. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 20% 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	<b>Description of the itemuu</b>	Two port vector network analyzers(with spectrum analyser)
GENERAL FEATURES COMMON TO SPECTRUM AND VECTOR ANALYSER	Markers	Normal, delta
	Trigger	Free run, video, External
	Display	Internal TFT/LCD Color Display with provision for Four traces
	Interface	USB, LAN

Specification	Specification Name	Bid Requirement (Allowed Values)
	Software for transfer of screen shot/measurement data to PC	Yes
SPECTRUM ANALYZER FEATURES	<b>Frequency Range</b>	9KHz to 1.6GHz (tuneable to 0Hz)
	Aging rate of spectrum analyzer frequency: Better than 1x10-6 /Year	Yes
	Frequency counter Resolution(minimum) (Hz)	0.001Hz
	<b>Frequency Span</b>	10 Hz to 1.6GHz
	Spectral purity:SSB Phase Noise @10KHz offset shall be less than -90dBc/Hz at 1GHz	SSB Phase Noise @ 10KHz offset , at 1GHz shall be less than -100dBc/Hz
	Spectral purity:Harmonics @ -40dBm level <=60 dBc	Harmonics @ -30dBm level <= -50 dBc
	Sweep time @span >or= 1 KHz	0.1sec to 3000sec
	Sweep time @span = 0 Hz	10microS - 3000sec
	Resolution Bandwidth (-3dB)	10 Hz to 3 MHz in steps
	Video Bandwidth	1 Hz to 3 MHz
	Amplitude : Max input level for protection (dBm)	+30
	Amplitude : Max input level for measurement (dBm)	25
	Amplitude :level measurement uncertainty (dB)	<=2, <= ±2
	Measurement features	AM,FM,PM demodulation, Analog Demodulation, Built-in power meter, Built-in Digital and Analog Signal Generator for 1.6GHz Spectrum Analyzer, channel power measurement, C/I ratio, DMR Phase I, DMR Phase II, OBW(occupied bandwidth), P25 Phase I, P25 Phase II, Preamp, SINAD & THD, TETRA
VECTOR NETWORK ANALYZER FEATURES	Frequency Range for 2port vector network analyzer	500KHz to 1.5GHz
	Frequency Resolution (CW ON) (Hz)	1Hz
	Return Loss (dB)	0.00 to 60
	VSWR (dB)	1.01 to 10.00
	Calibration with Precision calibration components-open, short, load should be included to achieve directivity >35 dB hint: NA for items designated as spectrum analyzers	open, short, load & Through should be included to achieve directivity >42 dB
	Ability to locate Distance-to-fault in Co-axial cables	yes
	Phase Range (degree)	-180 to +180

Specification	Specification Name	Bid Requirement (Allowed Values)
	Phase Resolution (deg)	0.01
	RF output port	Type N, female, 50Ohm
	Dynamic Range	100, >100
	Nominal port power output: Hi Power/Lo-Power selectable	yes
	Measurement of S11 and S21 and Smith Chart	Yes
	Vector Voltmeter for comparison and verification of the phase of the phase-matched cables	Yes
OPERATING CONDITIONS	<b>Operating Temperature</b>	-10 to 55 degree C & 80% RH @ 40 degree C
	<b>Operating Humidity</b>	80% RH @ 40 degree C
POWER REQUIREMENT	<b>Power requirement</b>	230 +- 10 VAC, 50Hz, Rechargeable battery
	chemistry of the battery	lithium ion
	capacity of rechargeable battery (millAh)	More than 7500.0 Or higher
	Suitable charger / adaptor provided	Yes
WARRANTY	<b>Warranty</b>	3, 4, 5 Or higher
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

**Consignees/Reporting Officer and Quantity**

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Pradeep Narayan Baliya	110003,Block-9, CGO Complex, Lodhi Road, New Delhi	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'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.
3. 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.
4. Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.
5. 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.
6. Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.
7. 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.
8. 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.
9. Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods
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 7 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.

## 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---**