

### Bid Document

Bid Details	
Bid End Date/Time	25-07-2020 20:00:00
Bid Opening Date/Time	25-07-2020 20:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	30 (Days)
Ministry/State Name	Ministry Of Defence
Department Name	Department Of Defence
Organisation Name	Indian Army
Office Name	*****
Total Quantity	42
Item Category	Analog Transceiver-Handheld
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 *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	60 %
Bid to RA enabled	No
Inspection Required	No
Estimated Bid Value	300000

### 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.

2. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 60% 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.

## **Analog Transceiver-Handheld ( 42 pieces )**

### **Technical Specifications**

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

<b>Specification</b>	<b>Specification Name</b>	<b>Values</b>	<b>Bid Requirement (Allowed Values)</b>
PERFORMANCE FEATURES	<b>Frequency Range (MHz)</b>	380-512	380-512
	<b>Types of Bandwidth</b>	UHF Split Band	UHF Split Band
	<b>Channel Capacity</b>	16	16, 32, 48, 128
	Channel Spacing	12.5	*
	Frequency Spread without degradation in Tx / Rx Specification	12.5	*
	Frequency Stability (± )	2.5	*
	Antenna Impedance	50	*
TRANSMITTER	RF Power output setting of transmitter	Programmable	*
	<b>RF Power output Range</b>	1 to 4 Watts (UHF)	1 to 4 Watts (UHF)
	Type of Emission	11K0F3	*
	Frequency deviation	± 2.5Khz max. for 100% at 1KHz	*
	Modulation Sensitivity	1 to 10mV at 1 KHz at mic. Input for +/- 1.5 KHz standard deviation	*

	Modulation Distortion	2.5	*
	Modulation Fidelity	+1, -3 dB of 6dB/ octave pre-emphasis characteristics from 350 Hz to 2700 Hz with 1KHz as reference	*
	Spurious & Harmonics Suppression (dB)	60	*
	VSWR	1.5	*
RECEIVERS	Sensitivity at 12 dB SINAD	0.2	*
	Squelch Sensitivity of receiver	0.2	*
	Adjacent Channel Selectivity (dB)	60	*
	Image Rejection (dB)	65	*
	Audio Output, (with less than 5 % distortion at 1 KHz reference measured at specified AF output)	500	*
	Audio Response	+1, -3 dB of 6dB/ octave de- emphasis characteristics from 350 Hz to 2700 Hz with 1KHz as reference	*
ACCESSORIES	Antenna	Helical Antenna	*
	Programming kit	No	*
	Technical repairing & maintenance manual with complete block diagram, circuit layout etc in soft as well as hard copy	No	*
	Battery charger	Yes	*
	Output voltage of the charger	-	*
	Battery charger suitable for	Lithium-ion	*
	Charging time for standard mode	6 to 14hrs	*
	Charging time for rapid mode	1 to 3 hrs	*
	<b>Number of spare batteries with each Radio Set</b>	1	1
POWER	Chemistry of Battery	Li-ion	*

SOURCE/BATTERY	Voltage rating of the Battery	7.4	*
	capacity of Battery (milli AH)	2200	*
VARIOUS FEATURES	Simple Press to talk	yes	*
	Protection against high VSWR	yes	*
	Low Battery Alert	yes	*
	CTCSS or DCS	yes	*
	Capable of VOX for hands-free operation	Yes	*
	PTT ID Encode	Yes	*
	Busy Channel Lockout	Yes	*
	Channel Scanning with call quieting facility	Yes	*
	Selective Call Decode	Yes	*
	Capable of being Killed/Unkilled	No	*
	Emergency SOS/SIREN	Yes	*
	LCD Display (Min 4 characters)	No	*
	Automatic Number Identification (ANI)	No	*
	Talk-around	No	*
	DTMF Keypad	No	*
	DTMF Microphone	No	*
	Keypad Lock	No	*
	Built-in GPS	No	*
	Battery Strength Bar Indicator or Digital Voltage read out	No	*
	Signaling	2Tone	*
GENERIC	Internal Speaker impedance	4	*
	External Speaker impedance	4	*
	Output Termination	Others	*
	Weight of Transceiver with Battery	235	*
	Other features	-	*
SAFETY	Protections	Reverse polarity protection & short circuit protection	*

SERVICE	<b>Warranty</b>	1	1.0, 2.0
OPERATING CONDITION	Minimum Operating temperature	-10	*
	Maximum Operating temperature	55	*
	Minimum Storage temperature	-40	*
	Maximum Storage temperature	70	*
	Humidity non-condensing (at +40 oC )	95	*
CERTIFICATION	BIS registration under CRS of Meity for the battery	-	*
	BIS registration Number and Date for the Battery	-	*
TEST REPORT DETAILS	<b>conformity to Dry Heat for 16 hrs at a maximum temp in accordance with IS:9000/part-3/section-5/1977 latest</b>	No	No
	<b>conformity to Cold Test for 4 hrs at a minimum temp in accordance with IS:9000/part-2/section-4/1977 latest</b>	No	No
	<b>conformity to Damp Heat (Cyclic)Test for 2 Cycles of 24 h each at a temp of 40 degree C &amp; 95% RH in accordance with I S:9000/part-5/section-1/ 1991 latest</b>	No	No
	<b>Drop Test (in packed condition): IS 9000 Part VII/SEC,3/1979 (reaffirmed 2004): Six drops one on each face, Height of fall 1000 mm incase of handheld items and 500 mm in case of other items</b>	No	No
	<b>Vibration Test: IS 9000 Part VIII/1981 (reaffirmed 2006):</b>	No	No

	<b>12 hours, 4 hours along with each axis, at 15-150 Hz and with amplitude of 0-15 mm/2g</b>		
	<b>Storage Test: IS 9000 Part III/SEC 5/1977 &amp; Part II/ SEC 4/1977 (reaffirmed 2004): -40 deg C for 5 hours, then raise the temperature to 70 deg C for 16 hours</b>	No	No
	<b>Bump Test: IS 9000 Part VII/SEC 2/1979 (reaffirmed 2004): 4000 bumps at peak acceleration of 400 m/s sq</b>	No	No
	<b>Availability of the test report from Central Govt/ NABL/ ILAC accredited lab to prove conformity to the specification</b>	No	No
	If yes test report to furnished,to the buyer on demand	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	*****	*****CHAMBA	42	30

## **Bid Specific Additional Terms and Conditions**

1. 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.
2. Scope of supply (Bid price to include all cost components) : Only supply of Goods
3. 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.
4. Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.
5. Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.
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. 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.
8. 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.

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

**---Thank You---**