

RA Document

RA Details	
RA Technical End Date/Time	25-07-2020 11:00:00
RA Opening Date/Time	25-07-2020 11:30:00
RA Life Cycle (From Publish Date)	90 (Days)
RA Offer Validity (From End Date)	60 (Days)
Ministry/State Name	Ministry Of Corporate Affairs
Department Name	Na
Organisation Name	Indian Institute Of Corporate Affairs (iica)
Office Name	Manesar
Total Quantity	8
Item Category	Analog Transceiver-Handheld
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Inspection Required	No

EMD Detail

Required	No
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ePBG Detail

Required	No
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Splitting

RA splitting not applied.

Analog Transceiver-Handheld (8 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
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PERFORMANCE FEATURES	Frequency Range (MHz)	136-174	136-174
	Types of Bandwidth	VHF Full Band	VHF Full Band
	Channel Capacity	16	16
	Channel Spacing	12.5	*
	Frequency Spread without degradation in Tx / Rx Specification	5	*
	Frequency Stability (±)	5	*
	Antenna Impedance	50	*
TRANSMITTER	RF Power output setting of transmitter	Programmable	*
	RF Power output Range	1 to 5 Watts (VHF)	1 to 5 Watts (VHF)
	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	5	*
	Modulation Fidelity	+1, -3 dB of 6dB/ octave pre-emphasis charactrestics from 350 Hz to 2700 Hz with 1KHz as reference	*
	Spurious & Harmonics Suppression (dB)	60	*
	VSWR	1.5	*
RECEIVERS	Sensitivity at 12 dB SINAD	0.25	*
	Squelch Sensitivity of receiver	0.2	*
	Adjacent Channel Selectivity (dB)	70	*
	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 charactrestics from 350 Hz to 2700 Hz with 1KHz as reference	*

ACCESSORIES	Antenna	Helical Antenna	*
	Programming kit	Yes	*
	Technical repairing & maintenance manual with complete block diagram, circuit layout etc in soft as well as hard copy	Yes	*
	Battery charger	Yes	*
	Output voltage of the charger	-	*
	Battery charger suitable for	Ni-Mh	*
	Charging time for standard mode	6 to 14hrs	*
	Charging time for rapid mode	1 to 3 hrs	*
	Number of spare batteries with each Radio Set	1	1
POWER SOURCE/BATTERY	Chemistry of Battery	NiMh	*
	Voltage rating of the Battery	7.4	*
	capacity of Battery (milli AH)	2300	*
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	Yes	*
	Emergency SOS/SIREN	Yes	*
	LCD Display (Min 4 characters)	No	*
	Automatic Number Identification (ANI)	Yes	*

	Talk-around	Yes	*
	DTMF Keypad	No	*
	DTMF Microphone	Yes	*
	Keypad Lock	Yes	*
	Built-in GPS	No	*
	Battery Strength Bar Indicator or Digital Voltage read out	No	*
	Signaling	2Tone	*
GENERIC	Internal Speaker impedance	8	*
	External Speaker impedance	8	*
	Output Termination	BNC female socket	*
	Weight of Transceiver with Battery	450	*
	Other features	-	*
SAFETY	Protections	Reverse polarity protection & short circuit protection	*
SERVICE	Warranty	1	1.0
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	conformity to Dry Heat for 16 hrs at a maximum temp in accordance with IS:9000/part-3/section-5/1977 latest	Yes	Yes
	conformity to Cold	Yes	Yes

Test for 4 hrs at a minimum temp in accordance with IS:9000/part-2/section-4/1977 latest		
conformity to Damp Heat (Cyclic)Test for 2 Cycles of 24 h each at a temp of 40 degree C & 95% RH in accordance with I S:9000/part-5/section-1/ 1991 latest	Yes	Yes
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	Yes	Yes
Vibration Test: IS 9000 Part VIII/1981 (reaffirmed 2006): 12 hours, 4 hours along with each axis, at 15-150 Hz and with amplitude of 0-15 mm/2g	Yes	Yes
Storage Test: IS 9000 Part III/SEC 5/1977 & Part II/ SEC 4/1977 (reaffirmed 2004): -40 deg C for 5 hours, then raise the temperature to 70 deg C for 16 hours	Yes	Yes
Bump Test: IS 9000 Part VII/SEC 2/1979 (reaffirmed 2004): 4000 bumps at peak acceleration of 400 m/s sq	Yes	Yes
Availability of the test report from Central Govt/ NABL/ ILAC accredited lab to prove conformity to the specification	Yes	Yes
If yes test report to furnished,to the buyer	Yes	*

	on demand		
	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

Consignee/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days	
1	Vineet Aggarwal	122052, Indian Institute of Corporate Affairs Ministry of Corporate Affairs Govt. of India, Plot No. 6,7, 8, Sector 5, IMT, Manesar	8	15	N/A

Bid Specific Additional Terms and Conditions

1. Scope of supply (Bid price to include all cost components) : Supply Installation Testing Commissioning of Goods and Training of operators and providing Statutory Clearances required (if any)

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

---Thank You---