

## বিজ্ঞপ্তি

বাংলাদেশ বিমান বাহিনীর জন্য VHF AM Airband RT (Handheld, Portable & Base Sta) along with all accessories and HF RT (125W) along with all accessories incl Fax and Data Modem এর Brand, Country of origin and latest Production Model প্রমিতকরনের লক্ষ্যে প্রদত্ত Technical Specification অনুযায়ী সংশ্লিষ্ট সরবরাহকারীগণের (অত্র মহাপরিদপ্তরের তালিকাভুক্ত সংস্থা সমূহ) নিকট হতে আবেদন পত্র আহবান করা যাচ্ছে। উক্ত প্রমিতকরনের জন্য আত্মহী সরবরাহকারীগণ Technical Specifications টি DGDP Website থেকে সংগ্রহ করত তা পূরন করে প্রমিতকরণতব্য VHF AM Airband RT এর Brochure (Containing all Technical Information including latest production model, brand country of origin) সহ ০২ কপি আগামী ২৪ অক্টোবর ২০২৪ তারিখের মধ্যে নিম্ন স্বাক্ষরকারী বরাবর জমা দেওয়ার জন্য অনুরোধ করা হলো।

তারিখঃ ২৪ অক্টোবর ২০২৪



আরিফ আনজুম  
কোয়ালিটি লীডার  
মহাপরিচালকের পক্ষে

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TECHNICAL SPECIFICATIONS OF VHF AM AIRBAND RT (PORTABLE) ALONG  
WITH ALL ACCESSORIES

Ser No	Description	:	Specification Specified	To be filled up by Principal/Manufacturer
1.	Name of local agent with full address	:	To be mentioned	
2.	Name of Manufacturer with full address	:	To be mentioned	
3.	Name of the Principal with full address	:	To be mentioned	
4.	Type of Equipment	:	Portable VHF AM Air band RT (Synthesized Frequency Generation System) for ground to air communication	
5.	Brand	:	To be mentioned.	
6.	Model	:	To be mentioned.	
7.	Year of Manufacture	:	Not earlier than one Calendar Year of the contract/purchase order	
8.	Country of Origin	:	USA/EU Countries/UK/Japan	
9.	Country of Manufacturer	:	USA/EU Countries/UK/Japan	
10.	Frequency Range	:	118 MHz to 136.975 MHz	
11.	Channel Separation	:	8.33 KHz and 25 KHz	
12.	No of Pre-set Channel	:	30 Channels or more	
13.	Transmitter Power Output	:	10 Watt or more	
14.	Depth of Modulation	:	≥70%	
15.	Sensitivity	:	1μ volt/ -107 dBm or better at 6dB S/N ratio	
16.	Selectivity	:	≥70 dB at ± 25 KHz	
17.	Audio Output	:	≥4 Watt	
18.	Microphone	:	01 x Dynamic Microphone with PTT is to be provided with each RT set.	
19.	Headset/Speaker	:	Provision for using both headset with inline PTT key and Built in Speaker. 01 x Headset with inline PTT key is to be provided with each RT set.	
20.	Antenna	:	a. 01 x High Gain (6dB or more) Steel-band Antenna is to be provided with each RT set b. 01 x Roof antenna with clamp and other accessories (if any) is to be provided with each RT set.	
21.	Antenna Impedance	:	To be mentioned	
22.	Power Supply requirement	:	Built in Battery (12 Volt DC, ≥7Ah) with charger (Input voltage 220-240 Volt AC, 50 Hz) is to be provided with each RT set.	

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23.	Feeder Cable	:	50 meter coaxial feeder cable with appropriate connectors and 01 set spare connectors is to be provided with each RT set. Cost of feeder cable and connectors are to be mentioned separately if the cost is not included with main equipment.	
24.	The RT set must be placed in a portable handle case, which must have the provision to keep the microphone and steel band antenna inside the case.			
25.	The equipment must have recording provision, recording jack (3.5mm) with connecting lead is to be provided with each RT.			
26.	Any other items required for making the equipment operational and serviceable would be provided by the bidder.			

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**TECHNICAL SPECIFICATIONS OF VHF AM AIRBAND RT (BASE STATION 50W)**  
**ALONG WITH ALL ACCESSORIES**

Ser No	Description	Specification Specified	To be filled up by Principal/Manufacturer
1.	Name of local agent with full address	: To be mentioned	
2.	Name of Manufacturer with full address	: To be mentioned	
3.	Name of the Principal with full address	: To be mentioned	
4.	Type of Equipment	: Base Station VHF AM Air band RT (Synthesized Frequency Generation System) for ground to air communication	
5.	Brand	: To be mentioned	
6.	Model	: To be mentioned	
7.	Year of Manufacture	: Not earlier than one Calendar Year of the contract/purchase order	
8.	Country of Origin	: USA/EU Countries/UK/Japan	
5.	Country of Manufacturer	: USA/EU Countries/UK/Japan	
9.	Year of Manufacture	: Not earlier than one Calendar Year of the contract/purchase order	
10.	Frequency Range	: 118 MHz to 136.975 MHz	
11.	Channel Separation	: 25 KHz	
12.	No of Pre-set Channel	: 30 Channels or more	
13.	Transmitter Output Power	: 50 Watt or more	
14.	Duty Cycle	: Continuous	
15.	Type of Modulation	: Amplitude Modulation (AM)	
16.	Sensitivity	: 1 $\mu$ volt / -107dBm or better for 10 dB SINAD	
17.	Selectivity	: 70 dB or more at 25KHz.	
18.	Freq stability	: $\pm 1$ ppm	
19.	Speaker	Built-in Speaker	
20.	Audio Output	: $\geq 4$ Watt into 4 $\Omega$ / $\geq 2$ Watt into 8 $\Omega$ .	
21.	Antenna Type	: High Gain (6 dB or more) Roof Top Antenna with mounting clamps for fixing antenna	
22.	Feeder Cable	: 50 meter Coaxial feeder cable fitted with appropriate connectors and 02 extra connectors is to be provided with the RT set	
23.	Power Supply Requirement	: Provision for both AC and DC. 24V DC/ 220-240 Volt, AC 50 Hz (Automatic change over to DC in case of AC failure)	
24.	01 x Microphone with PTT is to be provided with the RT		
25.	01 x Headset with inline PTT key is to be provided with the RT		

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26.	The equipment must have facility to operate from desk console as well as remotely over IP
27.	The equipment must have recording provision. Recording jack with connecting lead is to be provided with each RT
28.	Any other items required for making the equipment operational and serviceable would be provided by the bidder



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TECHNICAL SPECIFICATIONS OF VHF AM AIRBAND RT (HANDHELD) ALONG  
WITH ALL ACCESSORIES

Ser No	Description	: Specification Specified	To be filled up by Principal/Manufacturer
1.	Name of local agent with full address	: To be mentioned	
2.	Name of Manufacturer with full address	: To be mentioned	
3.	Name of the Principal with full address	: To be mentioned	
4.	Type of Equipment	: VHF AM Airband RT (Handheld)	
5.	Brand	: To be mentioned	
6.	Model	: To be mentioned	
7.	Year of Manufacture	: Not earlier than one Calendar Year of the contract/purchase order	
8.	Country of Origin	: USA/EU Countries/UK/Japan	
9.	Country of Manufacturer	: USA/EU Countries/UK/Japan	
10.	Frequency Range	: 118 MHz to 136 MHz	
11.	Channel Spacing	: 25 KHz	
12.	Number of Preset Channel	: 10 Channels or more	
13.	Frequency Generation	: Synthesized	
14.	Transmitter Output Power	: 1.8 Watt (Carrier)/ 6 Watt (PEP) or better	
15.	Type of Modulation	: Amplitude Modulation	
16.	Receiver Sensitivity	: 1 $\mu$ Volt at 6 dB S/N ratio or better	
17.	Selectivity	: 60 dB at 25 KHz or better	
18.	Speaker	: Built-in Speaker	
19.	Audio Output	: More than 350 mW	
20.	Antenna Type	: Helical	
21.	Operating Power	: a. 7~12 Volt DC (Built-in battery with capacity 2350mAh) b. External power supply with adapter of 220~ 240 Volt AC, 50 Hz	
22.	The following essential items are to be supplied with each RT set: a. Li-ion Battery (Capacity: 2350mAh)      Ea-02 b. Antenna      Ea-02 c. AC adapter with charger.      Ea-01 d. Operation manual/ User guide      Ea-01		
23.	Any other items required for making the equipment operational and serviceable are to be provided by the supplier		

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TECHNICAL SPECIFICATION FOR DIGITAL HF RT (125W) ALONG WITH ALL  
 ACCESSORIES INCL FAX AND DATA MODEM

Ser No	Description	Specification Specified	To be filled up by Principal/Manufacturer
1.	Name of local agent with full address	: To be mentioned	
2.	Name of Manufacturer with full address	: To be mentioned	
3.	Name of the Principal with full address	: To be mentioned	
4.	Type of Equipment	: Digital HF Transceiver 125 Watt for long range communication	
5.	Brand	: To be mentioned	
6.	Model	: To be mentioned	
7.	Year of Manufacture	: Not earlier than one Calendar Year of the contract/purchase order	
8.	Country of Origin	: Australia/Newzeland/USA/EU Countries/UK/Japan	
9.	Country of Manufacturer	: Australia/Newzeland/USA/EU Countries/UK/Japan	
10.	Frequency Range	: 1.6 MHz-30 MHz (Synthesized).	
11.	Pre-set Channel	: 1000 or more pre-set channel. Simplex, Semi-Duplex or Duplex.	
12.	Mode of Operation	: SSB, USB, LSB (J3E), AM (H3E), CW (J2A), AFSK (J2B), FSK (F1B) Software controlled	
13.	Transmitter Output Power	: 100-150W PEP $\pm$ 1 dB.	
14.	Scanning	: Automatic Scanning of minimum 05 channels per second	
15.	Power Supply Requirement	: a. AC: 220V $\pm$ 10% Single Phase, 50 Hz b. DC: 12V/ 24V (Nominal).	
16.	Frequency Stability	: $\pm$ 0.5 ppm from $-30^{\circ}\text{C}$ to $+60^{\circ}\text{C}$	
17.	Receiver Sensitivity	: 0.02 $\mu\text{V}$ , $-125$ dBm for 10 dB SINAD.	
18.	Selectivity	: $>70$ dB at $-1$ KHz and $+4$ KHz ref SCF USB	
19.	Audio output	: 4 Watt	
20.	Metering Facility	: Equipment's handset/ front panel meter must indicate SWR & Signal Strength	
21.	Automatic Link Establishment (ALE)	: The equipment should have the Automatic Link Establishment (ALE) provision (built in).	
22.	Selective calling facility	: The equipment should have the selective calling facility	
23.	Antenna with feeder cable	: Broad band Antenna with 50-meter feeder cable with connectors and 01 set extra connectors are to be provided with RT set as part of the main set	

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24.	Fax and Data Modem	:	01 x Fax and Data Modem including necessary cables and connectors are to be provided with each RT set as essential item	
25.	Additional Items	:	The equipment should have the Remote Control over IP. Cost of Remote Control module is to be quoted separately as optional item	
26.	Special Features	:	New provision/ facility (if any) is to mentioned in the offer	
27.	Operational manual/ user guide in English version is to be provided with the RT set			
28.	All license of software provided with the set must be perpetual in nature (if required)			
29.	Items must be compatible for voice, Fax and data communication with existing HF RT of BAF			
30.	Any other items required for making the equipment operational and serviceable would be provided by the supplier			