

## 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 আহ্বহী 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 ০৯ জানুয়ারী ২০২৫ তারিখের মধ্যে নিম্ন স্বাক্ষরকারী বরাবর জমা দেওয়ার জন্য অনুরোধ করা হলো।



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তারিখঃ ২০ ডিসেম্বর ২০২৪

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	: $\geq 70\%$	
15.	Sensitivity	: $1\mu$ volt/ -107 dBm or better at 6dB S/N ratio	
16.	Selectivity	: $\geq 70$ dB at $\pm 25$ KHz	
17.	Audio Output	: $\geq 4$ 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 requirement	: Built in Battery (12 Volt DC, $\geq 7$ Ah) with charger (Input voltage 220-	

		240 Volt AC, 50 Hz) is to be provided with each RT set.	
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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	(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
26.	The equipment must have facility to operate from desk console as well as remotely over
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



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 Requirement	Supply : a. AC: 220V $\pm 10\%$ Single Phase, 50 Hz b. DC: 12V/ 24V (iNominal).	
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
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	