

## বিজ্ঞপ্তি

বাংলাদেশ বিমান বাহিনীর জন্য VHF AM Airband RT (Handheld, Portable & Base Sta) along with all accessories Including HF/VHF/UHF software defined Radio (SDR) and HF RT (125W and 500W) along with all accessories including 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 অত্রহী 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 ২৬ অক্টোবর ২০২৫ তারিখের মধ্যে নিম্ন স্বাক্ষরকারী বরাবর জমা দেওয়ার জন্য অনুরোধ করা হলো।

তারিখঃ ০২ অক্টোবর ২০২৫



আরিফ আনজুম  
স্কোয়াড্রন লীডার  
মহাপরিচালকের পক্ষে

# TECHNICAL SPECIFICATIONS OF VHF AM AIRBAND RT (HANDHELD)

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 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.		



# **TECHNICAL SPECIFICATIONS OF VHF AM AIRBAND RT (PORTABLE)**

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 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.	Number of Preset 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 Supply 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	

Ser No	Description	:	Specification Specified	To be filled up by Principal/Manufacturer
			RT set. Cost of feeder cable and connectors is also to be mentioned 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 are to be provided by the bidder.			

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**TECHNICAL SPECIFICATIONS FOR DIGITAL HF RT (500W) ALONG WITH ALL  
ACCESSORIES INCLUDING 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 RT 500 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 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 to 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	: 100-150 PEP $\pm$ 1dB	
14.	Scanning	: Automatic scanning of minimum 05 channels per second.	
15.	Power Supply requirement	a. AC: 220 $\pm$ 10% single phase, 50 Hz b. DC: 12V/24V (Nominal)	
16.	Frequency Stability	: $\pm$ 0.5 ppm from -30°C to +60°C	
17.	Receiver Sensitivity	: 0.12 $\mu$ 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 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.	

Ser No	Description	:	Specification Specified	To be filled up by Principal/Manufacturer
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 be 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.	Item 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.			

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**TECHNICAL SPECIFICATIONS FOR DIGITAL HF RT (125W) ALONG WITH ALL  
ACCESSORIES INCLUDING 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 RT 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 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 to 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	: 100-150 PEP $\pm$ 1dB	
14.	Scanning	: Automatic scanning of minimum 05 channels per second.	
15.	Power Supply requirement	a. AC: 220 $\pm$ 10% single phase, 50 Hz b. DC: 12V/24V (Nominal)	
16.	Frequency Stability	: $\pm$ 0.5 ppm from -30°C to +60°C	
17.	Receiver Sensitivity	: 0.12 $\mu$ 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 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.	

Ser No	Description	:	Specification Specified	To be filled up by Principal/Manufacturer
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 be 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.	Item 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.			

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# **TECHNICAL SPECIFICATIONS OF VHF AM AIRBAND RT (BASE STATION)**

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.	Country of Origin	: USA/EU Countries/UK/Japan	
8.	Country of Manufacturer	: USA/EU Countries/UK/Japan	
9.	Frequency Range	: 118 MHz to 136.975 MHz	
10.	Channel Separation	: 25 KHz	
11.	No of Pre-set Channel	: 30 Channels or more	
12.	Transmitter Power Output	: 50 Watt or more.	
13.	Duty Cycle	: Continuous.	
14.	Type of Modulation	: Amplitude Modulation	
15.	Sensitivity	: 1 $\mu$ volt/ -107dBm or better for 12dB SINAD	
16.	Selectivity	: 70 dB or more at 25KHz.	
17.	Frequency Stability	: $\pm$ 1ppm	
18.	Speaker	: Built in Speaker	
19.	Audio Output	: $\geq$ 4 Watt into 4 $\Omega$ / $\geq$ 2 Watt into 8 $\Omega$ .	
20.	Antenna	: High Gain (6dB or more) Roof Top Antenna with mounting clamps for fixing antenna	
21.	Feeder Cable	: 50-meter coaxial feeder cable with appropriate connectors and 02 x extra connectors is to be provided with the RT set.	
22.	Power requirement Supply	: Provision for both AC and DC. 24V DC/ 220-240 Volt AC 50 Hz (Automatic change over to DC in case of AC failure).	
23.	01 x Headset with inline PTT key is to be provided with the RT		
24.	01 x Microphone with PTT is to be provided with the RT.		

Ser No	Description	:	Specification Specified	To be filled up by Principal/Manufacturer
25.	The equipment must have facility to operate from desk console as well as remotely over IP.			
26.	The equipment must have recording provision. Recording jack with connecting lead is to be provided with each RT.			
27.	Any other items required for making the equipment operational and serviceable would be provided by the bidder			

