



DIRECTORATE GENERAL, CRPF
EAST BLOCK-7, SECTOR-1, R.K PURAM, NEW DELHI-66
e-mail : digeqpt@crpf.gov.in Tele No. 011-26109038



No. B.V-7/2025-26-C(DMR/H)-QR Cell

Dated, the 08 Oct'2025

To

1. The DsG: AR, BSF, CISF, ITBP, NSG, SSB and BPR&D
2. Director, DCPW

Subject: QRs/TDs OF "DIGITAL MONITORING RECEIVER (HAND-HELD)" REGARDING.

I am directed to refer to the subject mentioned above and to say that the QRs/TDs of "**Digital Monitoring Receiver (Hand-Held)**" have been approved by the DG CRPF after due deliberations as per recommendations of CAPFs sub-group of technical experts and experts from DCPW.

2. QRs/TDs of "**Digital Hand-Held Wideband Receiver**" forwarded earlier vide letter No. B.V-7/2021-22-C (HWBR) dated 18/05/2021 stand rescinded.

This is for favour of information and further needful action please.

Encl:-As above

(Megh Raj)

DIG (Equipment)
Communication & IT Branch
Directorate General C R P F

No. B.V-7/2025-26-C(DMR/H)-QR Cell

Dated, the 08 Oct'2025

Copy to:-

1. Mr. Deepak Kumar, Technical Director, North block, MHA (e-mail ID: deepakg@gov.in) with request to upload the QRs/TDs of "Digital Monitoring Receiver (Hand-Held)" on MHA website and QRs/TDs of "Digital Hand-Held Wideband Receiver" forwarded earlier vide letter No. B.V-7/2021-22-C (HWBR) dated 18/05/2021 stand rescinded please.

Encl:-As above

(Megh Raj)


DIG (Equipment)
Communication & IT Branch
Directorate General C R P F


QRs/ TDs of Digital Monitoring Receiver (Hand-Held)

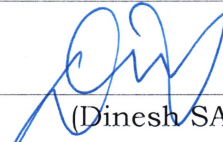
S N	Parameter	Specifications	Trial Directives
1. General			
a.	Role	Hand Held.	BOO will check physically and practically.
b.	Operational Mode	Memory scan, Programme scan	BOO will check practically.
c.	Frequency Range	100 KHz to 1300 MHz	BOO will check practically.
d.	No of memory channel	Minimum 1000 memory channel	BOO will check practically.
e.	Frequency resolution.	≤ 10 Hz.	BOO will check practically.
f.	Receive Mode	Intercept both Digital and Analog modes: - (i) Digital Mode-DMR(4FSK), NXDN, P25 (APCO25) Optional DPMR, TETRA, D-STAR, ALNICO EJ-47U, YAESU, DIGITAL-CR etc (ii) Analog Mode-AM, USB, LSB, CW, NFM etc.	BOO will check practically with available radio sets and firm will also submit OEM certificate.
g.	Antenna Impedance	50 Ohm	Firm will submit OEM certificate.
h.	Selectivity	Better than 60 dB for full range	Firm will submit OEM certificate.
i.	Sensitivity	100 KHz-17.99999 MHz: 0.75 μ V (12dB SINAD), 18 MHz-1300 MHz: 0.35 μ V (12 dB SINAD),	Firm will submit OEM certificate.
j.	Frequency stability	< ± 5 PPM or better	Firm will submit OEM certificate.
k.	AF Power Output	400 mw or better	Firm will submit OEM certificate.
l.	Weight with integrated battery	Less than 2 kg	Firm will submit OEM certificate.
2. Power Supply			
a.	Battery	Lithium ION/Polymer or latest technology integrated battery	Firm will Provide OEM certificate and BOO will check practically.
b.	Charger	Charging of rechargeable batteries	BOO will check practically.
c.	Battery working hours	Not less than 8 Hours in active mode	BOO will check practically.


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3. Environmental Parameters			
a.	Operating Temperature	-10° to +55°C	Firm will submit certificate of any Govt Lab or NABL or ILAC accredited lab.
b.	Water protection	IPX5 or superior	Firm will submit certificate of any Govt Lab or NABL or ILAC accredited laboratory.
4.	Antenna	Suitable antenna for all receiving mode	BOO will check practically.
5.	Connector Jack for External speaker/Head phone	Earphone jack for head phone	BOO will check practically.
6. Receiver Features.			
a.	Display	Alphanumeric LCD/LED display should be available.	BOO will check practically.
b.	Keypad back-lit	Should be available	BOO will check practically.
c.	Priority scanning	Should be available (pause for 10 sec as any signal intercepted)	BOO will check practically.
d.	Signal reception & Monitoring delay	Less than 2 seconds	Firm will provide OEM certificate and BOO will check practically.
e.	Auto store of frequency of signal received	Should be available	BOO will check practically.
f.	AFC (Automatic Freq. Control)	AFC function for spot on tuning should be available.	BOO will check practically.
g.	Squelch	NSQ, LSQ Should be available.	BOO will check practically.
h.	Squelch & Volume control knob/ Soft Key	Should be available	BOO will check practically.
i.	Pass frequency mode	Should be available	BOO will check practically.
j.	Multiple IF bandwidth	Should be available	BOO will check practically.
k.	Audio recording (Built-in)	>50 Hrs. Should be available	BOO will check practically.
l.	Built in playback facility	Should be available.	BOO will check practically.
m.	Data clone Lead To interface with computer.	Should be available	BOO will check practically.
n.	Data backup & Restore data facility via SD/SDHC card. (memory channel / search bank/ configuration) facility	Should be available.	BOO will check practically.
o.	Real time clock	Should be available.	BOO will check practically.
p.	Dual Band operation	Should be available.	BOO will check practically.
7. Additional features (Optional)			
a.	Life time online firmware update support for newly added features.	Should be available.	Firm will submit OEM certificate.

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b.	Receiver should have facility to operate by window- based PC.	Should be available.	BOO will check practically.
c.	Audio Analyzer Software.	Should be available.	BOO will check practically.
d.	VFO (Variable Freq. Oscillator)	Minimum 3 Nos. for full range	Firm will submit OEM certificate.
e.	Auto sleep timer, Alarm & Record Timer	Should be available.	BOO will check practically.
8. Receiver Accessories			
a.	Carrying Case	Should be available.	BOO will check practically
b.	Belt Clip /Hanging arrangement	Should be available	BOO will check practically
9. Literature			
a.	User Hand Book	As per requirement	BOO will check practically.
b.	Technical Manual for receiver (optional)	Should give out full technical descriptions of equipment and circuit layout etc.	BOO will check practically.

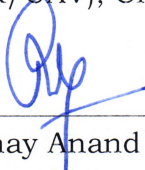

(WO/RM Sandip Kumar)
AR



(Sanjay Mathur)
AC (Comn), SSB

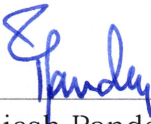

(Dinesh SA)
AC (QR/UAV), CRPF



(Lalji Ram)
JAD, DCPW

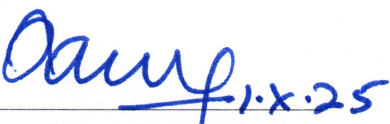

(Maj. G.S Gill)
NSG



(Abhay Anand Patil)
DC, CISF


(R.K. Saran)
2 I/C, BSF



(Rajesh Pandey)
Comdt (Tele), ITBP


(Megh Raj)
DIG (Eqpt), CRPF


(Vijay Kumar)
IG (Comn & IT), CRPF


(Vitul Kumar, IPS)
SDG (OPS), CRPF


Approved/Not Approved


(Sh. G.P. Singh, IPS)
DG, CRPF