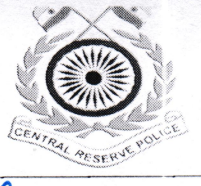




DIRECTORATE GENERAL, CRPF
EAST BLOCK-7, SECTOR-1, R.K PURAM, NEW DELHI-66
e-mail : digeqpt@crpf.gov.in Tele No. 011-26109038



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

Dated, the *of* 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 (STATIC/MOBILE VERSION)" REGARDING.

I am directed to refer to the subject mentioned above and to say that the QRs/TDs of "**Digital Monitoring Receiver (Static/Mobile version)**" 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of "**Digital Monitoring Receiver**" forwarded earlier vide letter No. B.V-7/2019-20-C (QRs) dated 08/01/2019 stand rescinded.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/S)-QR Cell

Dated, the *of* 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 (Static/Mobile version)" on MHA website and QRs/TDs of "Digital Monitoring Receiver" forwarded earlier vide letter No. B.V-7/2019-20-C (QRs) dated 08/01/2019 stand rescinded please.

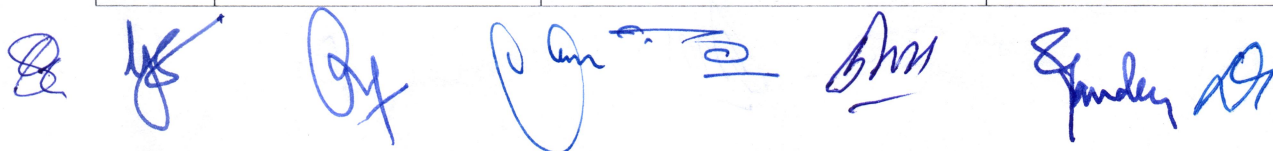
Encl:-As above

(Megh Raj)

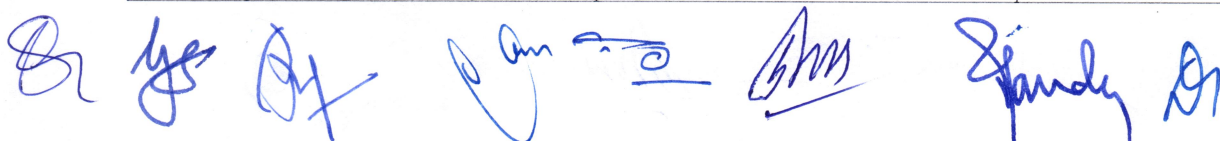
DIG (Equipment)
Communication & IT Branch
Directorate General C R P F

QRs/ TDs of Digital Monitoring Receiver (Static/Mobile version)

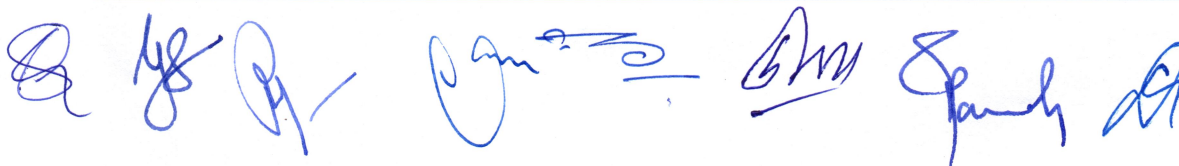
S No.	Parameter	Specifications	Trial Directives
1. General			
a.	Role	Static/Mobile version.	BOO will check physically and practically.
b.	Frequency Range	(i) 100 KHz to 1300 MHz OR (ii) 100 KHz to 3 GHz OR (iii) 100 KHz to 6 GHz As per user requirement	BOO will check practically.
c.	No of memory channel	Minimum 1000 memory channel	BOO will check practically.
d.	Frequency resolution.	≥10 Hz.	BOO will check practically.
e.	Receive Mode	Intercept both Digital and Analog modes: - (i) Digital Mode-DMR (4FSK), NXDN, P25 (APCO25) Optional DPMR, TETRA, D-STAR, ALINCO 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.
f.	Antenna Impedance	50 Ohm	Firm will submit OEM certificate.
g.	Selectivity	Better than 60 dB for full range	Firm will submit OEM certificate.
h.	Sensitivity	(i) 100 KHz -29.99999 MHz: 0.75μV (10 dB S/N ratio), 30 MHz - 1300 MHz: 0.35 μV (12 dB SINAD) (ii) 100 KHz -29.99999 MHz: 0.75μV (10 dB S/N ratio), 30 MHz - 3 GHz: 0.35 μV (12 dB SINAD) (iii) 100 KHz -29.99999 MHz: 0.75μV (10 dB S/N ratio), 30 MHz - 6 GHz: 0.35 μV (12 dB SINAD)	Firm will submit OEM certificate.
i.	Frequency stability	<±2.5 ppm	Firm will submit OEM certificate.
j.	AF Power Output	1W (Approx.)	Firm will submit OEM certificate.



S No.	Parameter	Specifications	Trial Directives
k.	Weight	Less than 8kg (Without accessories)	BOOs will check practically
2.Power Supply: Should operate with AC and DC Power Supply			
a.	AC power	230V±10%	BOO will check practically.
b.	DC Power	12V DC±10%	
3.Environmental Parameters			
a.	Operating Temperature	-10° to +55°C	Firm will submit certificate of any Govt Lab or NABL or ILAC accredited lab.
4. Receiver Features.			
a.	Display	For 1.b(i)&(ii) should be available for 1.b(iii) (Water Fall/ Spectrogram Display)	BOO will check practically.
b.	Priority scanning	Should be available (pause for 10 sec as any signal intercepted)	BOO will check practically.
c.	Signal reception & monitoring delay	Less than 2 Sec	BOO will check practically & Firm will submit OEM certificate
d.	Auto store of frequency of signal received	Should be available	BOO will check practically.
e.	AFC (Automatic Freq. Control)	AFC function for spot on tuning should be available.	BOO will check practically.
f.	Squelch	NSQ, LSQ Should be available.	BOO will check practically.
g.	Squelch & Volume control knob/ Soft key	Should be available	BOO will check practically.
h.	Pass frequency mode	Should be available	BOO will check practically.
i.	Audio recording (Built-in)	>200 Hrs. Should be available	BOO will check practically.
j.	Built in playback facility	Should be available.	BOO will check practically.
k.	Data clone Lead To interface with computer.	Should be available	BOO will check practically.
l.	Data backup & Restore data facility via SD/ SDHC card (memory channel/ search bank/ configuration)	Should be available.	BOO will check practically.



S No.	Parameter	Specifications	Trial Directives
m.	Real time clock	Should be available.	BOO will check practically.
5. Antenna & accessories. (Provide suitable antenna for interception as per requirement)			
a.	Mobile Role	(i) 0/3 dB VHF antenna with 3 mtrs cable bracket mount (ii) 0/3 dB UHF antenna with 3 mtrs cable bracket mount (iii) Flexible Whip VHF & UHF Antenna	Firm will provide OEM Certificate & BOO will check practically
b.	Static Role	(i) 0/3/6 dB VHF GP Antenna (ii) 0/3/6 dB UHF GP Antenna (iii) HF Broad band Dipole Antenna with 30mtrs RG213 Cable (iv) Discone Wide band Antenna (v) 1/2-inch Low Loss RF Cable 30mtrs (Loss-0.03dB/ mtrs)	Firm will provide OEM Certificate & BOO will check practically
c.	Telescopic Mast (Optional)	20 feet Telescopic mast with supporting ropes, base plate, and fixing piccle should be available	BOO will check practically.
d.	Connector jack for external speaker /headphone	Should be available	BOO will check practically.
e.	External speaker (Optional)	Should be available	BOO will check practically.
f.	Technical/ operation Manual	Should be provided by firm	BOO will check practically.
6. Additional features (Optional)			
a.	Life time online firmware update support for newly added features.	Should be available	Firm will submit OEM certificate.
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.



S No.	Parameter	Specifications	Trial Directives
d.	VFO (Variable Freq. Oscillator)	Minimum 3 Nos. for full range	Firm will submit OEM certificate.
e.	Multiple IF bandwidth	Should be available	BOO will check practically.
f.	Auto sleep timer, Alarm & Record Timer	Should be available	BOO will check practically.



(WO/RM Sandip Kumar)
AR



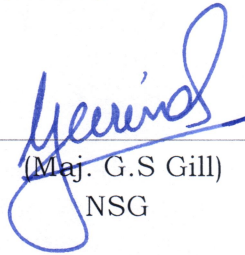
(Sanjay Mathur)
AC (Comn), SSB



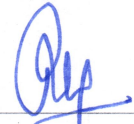
(Dinesh SA)
AC (QR/UAV), CRPF



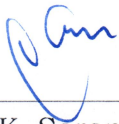
(Lalji Ram)
JAD, DCPW



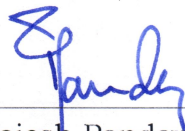
(Maj. G.S Gill)
NSG



(Abhay Anand Patil)
DC, CISF



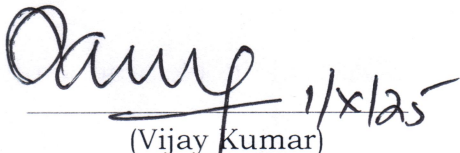
(R.K. Saran)
2 I/C, BSF



(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