

No.IV-17017/13/06-Prov.I
Ministry of Home Affairs

18

19

New Delhi , Dated 31.03. 2006

To

The DGs: Assam Rifles/BSF/CISF/CRPF/ITBP/NSG/SSB/BPR&D.

Subject: Finalization of QRs/Specifications for Weaponry/Security Equipments

The Sub-Group constituted by MHA vide Office Memorandum No. IV.17017/18/2001-Prov.I dated 5-7-2002 for laying down QRs/specifications of various items/equipments has since submitted QRs in respect of the following items:-

- (a) Radio Communication Test Set
- (b) Distortion Meter
- (c) HF Man pack Transceiver

2. These recommendations have been accepted by MHA. The QRs finalized by the Sub-Group and accepted by MHA in respect of the above equipments are enclosed herewith.

3. Henceforth, all the CPMFs should procure the above items required by them to meet their operational needs strictly as per the laid down QRs/specifications.

Yours faithfully,

Alok

(Alok Mukhopadhyay)
Under Secretary(Prov.I)

Copy to : DD(Procurement), MHA

Copy for information to:

1. PS to JS(PM), MHA
2. Dir(Prov), MHA

1254/2002-06
21/4

DMF
MHA
21/4
SSO/E

QRs / SPECIFICATIONS FOR DISTORTION METER

Fundamental Frequency

Unbalance : 2 Hz to 200 KHz
Balance : 20 Hz to 20 KHz
Distortion Range : 0.1% to 200%

Input Voltage Range

Unbalance 300 mV to 300 V r.m.s.
Balance 300 mV to 10 vr.m.s.
Input Impedance : 800 K Ω \pm 20%

T.H.D. Measure Accuracy: \leq 1dB \pm 0.01%

Fundamental Rejection: \geq 80 dB

Residual Noise : \leq 0.25 mV

Voltage Measurement

Level Range 300mV to 300 V r.m.s.
300mV to 10 V (balance)

Fundamental Accuracy : \pm 5% f.s.

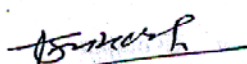
Frequency Response : \pm 1 dB(20 Hz to 100 KHz)
 \pm 1.5 dB (20 Hz to 1 MHz)

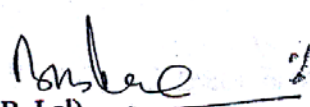
Power Requirement : 220 V 50 Hz 10 W

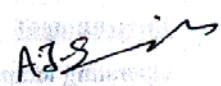
Accessories

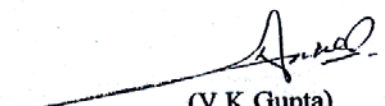
Mains Cable
Measuring Probes
Instruction Manual

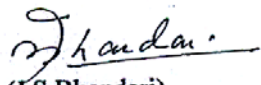

(Kamallesh Deka)
Inspector General(Comm), BSF


(S.K. Jindal)
Scientist 'F' D.R.D.O.


(B.B. Lal)
Deputy Director(Tech), I.B.


(Amarjit Singh)
Deputy Director(Eqpt), DCPW


(V.K. Gupta)
Deputy Director(QA), DGS&D


(J.S. Bhandari)
Assistant Commandant(Tele),SSB