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

New Delhi, Dated 31.03. 2006

To

180

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

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

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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 Mukhopadhyay ) Under Secretary(Prov.I)

Copy to: DD(Procurement), MHA

Copy for information to:

1. PS to JS(PM), MHA

2. Dir(Prov), MHA

36/2 21/91/4 PCUNNI

## **ORS / 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 Balance 300 mV to 300 V r.m.s. 300 mV to 10 vr.m.s.

Input Impedance : 800 K $\Omega$  ± 20%

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

Fundamental Rejection: >= 80 dB

Residual Noise

: <=0.25 mV

Voltage Mensurement

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

(Kamalesh Deka)

Inspector General(Comn), 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

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