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No.IV.17017/48/2002-Prov.I
Ministry of Home Affairs
Prov.I

New Delhi, the 27 April 2004

To

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

Sub. Finalization of QRs/Specifications surveillance Equipments.

Sir,

The Sub-Group constituted by MHA (Vide Memorandum No.IV.17017/18/2001-Prov.I dated 5/7/2002) for laying down QRs/ Specifications in respect of communication equipments for which at present there is no designated agency under DGS&D and DGQA of MOD, has finalised and submitted the QRs in respect for the following equipments:

- (a) ~~III Mobile/Static Repeater Radio sets~~
- (b) ~~III Hand Held Radio Set~~
- (c) ~~Satellite Phones~~
- (d) ~~Satellite Terminal~~

2. These QRs have been approved by MHA and are forwarded herewith as Appendix-A, B, C and D. 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.

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By. NO. _____
E. W&D _____
New Delhi _____
Dated 28/7/04

Yours faithfully

Alok
(Alok Mukhopadhyay)
Under Secretary (Prov)

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SEO (E)
SEO (W)

1582/Devon
30/4

App. C
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QUALITATIVE REQUIREMENT : SATELLITE PHONES

1. The following requirements (QRs) for the Satellite phones have been framed :-

(a) Essential Physical Characteristics

- (i) Should be Light weight and a compact system. The weight of the eqpt with Bty and portable antenna unit should not be more than 7 Kgs.
- (ii) Should be able to operate in temp of minus 20 to +50 degree C.
- (iii) The switches/knobs should be user friendly and easy to operate/handle.

(b) Essential Technical Characteristics

- (i) Voice - Operating speed to be 4.8 Kbps or better.
- (ii) Fax & Data - Should be able to provide value added services such as Facsimiles (Fax) at speeds of 4.8 Kbps or better and Data at 4.8 Kbps or better.
- (iii) Each fully charged bty should be able to provide at least 3 hrs talk time or 48 hrs as standby.
- (iv) Should be capable of being operated both on AC and DC. For AC operation, it should be able to work on std commercial mains i.e. 220 V 50 Hz or generator power of similar rating.

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- (v) Bty should be easily rechargeable and be integrated into the Satphone itself.
 - (vi) Should have an addl terminal/outlet for connecting a normal telephone and/or a fax machine.
 - (vii) Should have a LCD-display panel. LCD Display should give the signal strength and bty status.
 - (viii) Should have Data Connector, D-Sub, 9 Pin, RS 232.
 - (ix) Should be able to interface with existing comn network of the DOT/other service providers all over the Indian sub-continent.
 - (x) Each Satphone to be provided with two spare btys.
 - (xi) AC/DC adapter for bty charging.
- c) GSM Interoperability. Satphones having GSM interoperability will be quoted separately as an optional item.
- d) Connectivity. During tendering the vendors will specify how they are going to provide service. They will also specify terms and conditions including pulse charges. The vendors will have to ensure end to end connectivity.

(Kamlesh Deka)
INSPECTOR GENERAL (COMNS),BSF

(B.B.Lal)
Dy. Director (Tech),IB

Brig
(B.S. Sandhu)
DIG (COMN),NSG

(R.N. Kulkarni)
SCIENTIST, D., DRDO

(H.R. SHARMA)
Dy. DIRECTOR (Q) DGSDD

(R.K.Sharma)
SQN. COMMANDER,NSG