

No. IV-21011/39/2009-Prov-I
Government of India
Ministry of Home Affairs

26, Man Singh Road, Jaisalmer House,
New Delhi, 12.10.2009

To

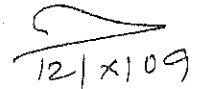
The DGs: Assam Rifles/BSF/CISF/CRPF/ITBP/NSG/SSB/BPR&D

Subject: - QRs/Technical Specifications for the security related equipments -regarding

The QRs/Technical Specifications for the following security related equipments have been accepted and approved by the Competent Authority in MHA;-

- (i) HIT Bags
- (ii) Portable Kennel for dogs
- (iii) Dog Training Equipment(Agility)
- (iv) Chemical Detection Lab
- (v) Multipurpose Camera with night scope and objective lenses
- (vi) Blasting Machine/Pogal Set
- (vii) Chemical Protection Suit Gas Mask
- (viii) Multipurpose Ladder

2. Henceforth, all the CPMFs should procure the above items required by them strictly as per the laid down Technical Specifications/QRs.


12/10/09

(R.S.Sharma)
Director (Prov)

Copy to:-

DD(Procurement),MHA

Copy for information to:-

PS to JS(PM),MHA

QUALITATIVE REQUIREMENT

MULTIPURPOSE CAMERA
WITH NIGHT SCOPE AND OBJECTIVE LENSES

1. Camera (Body Only)

- (a) Resolution : 10 Mega Pixel or Higher
- (b) Screen Size (Inches) : 2.5" or more
- (c) Optical View Finder : Anti fog view finder eye piece
- (d) Shutter Speed (Seconds) : 30 Sec – 1/8,000sec
- (e) Optical Sensor Type : CMOS/CCD
- (f) USB Connectivity : USB 2.0, wireless data transfer or equivalent
- (g) Storage Media/ Type of Card : CFC Type minimum 2 GB, SD minimum 2 GB
- (h) Compatibility : windows compatible
- (j) Built in Flash : TTL balanced fill flash
- (k) Focus Adjustment : Auto and Manual.
- (l) Battery Type : Rechargeable Li-ion Battery
- (m) Weight : Less than 2 kg.
- (n) Metering : exposure metering
- (o) Accessory shoe : ISO 518
- (p) Exposure mode : Auto, Auto Shutter priority, Auto Aperture priority, Manual
- (q) ISO : 100 to 1600 or above

2. Objective Lenses

- (a) Reflex 2000mm f/11 with F Mount : Qty 1 per camera
- (b) AF 80-200 mm F/4.5 – 5.6 D Zoom : Qty 1 per camera with UV filter, F mount.
- (c) 2 x Teleconverter for 2 (b) : Qty 1 per camera

A series of handwritten signatures and initials, including a large 'Q', several stylized names, and a signature that appears to be 'Wp'.

3. Night Vision Attachment. (Qty 1 per Camera)

- (a) Super Gen or Gen III or better image intensifier.
- (b) Detachable assembly compatible with camera and Lenses above.
- (c) Built in battery compartment.
- (d) Built in protection from over illumination.
- (e) Coaxial Laser illuminator with a range greater than 1000 meters for identification of a human target in pitch dark night conditions using 2000 mm lens mentioned above.

4. Accessories (Qty 1 per Camera)

- (a) Rugged tripod with soft case
- (b) Remote control set for camera
- (c) External power cord for camera
- (d) Nickel Metal Hybrid Battery unit for camera
- (e) TTL Macro Speed light for camera
- (f) Data back up for camera
- (g) PC connecting cord for Windows based computers.
- (h) Quick Charger for bty
- (j) U V filter

5. Software. Proprietary software designed and marketed by the manufacturer for the model of camera procured. Software should be compatible with Windows Operating System procured.

6. Casing.

- (a) Soft casings for camera body, lenses, night vision attachments and individual accessories .
- (b) Rugged hard suitcase type casing for the entire system.

7. Literature. Operating and Technical literature for each discrete component of system, in English language.

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8. **Tools and Spares.** Tool set and user changeable spares of critical items to be provided. Preservation and maintenance equipment to be provided.

9. **Demonstration and Training.** Demonstration of the complete system to be given in Delhi on no cost no commitment basis before acceptance of the equipment. In situ training of users for 14 days on operation, maintenance, fault finding and user level repairs.

10. **Repair Cover.** Repair Cover to be made available ex Delhi. Down time not to exceed 5 days from the time of reporting, without penalty.

11. **Life and Warranty.** Vendor to specify life of system component wise on acceptance of the equipment. Vendor to accordingly provide warranty and AMC facilities for the specified life Minimum specified life for entire system should not be less than Five years excluding Image Intensifier. The life of Image intensifier should at least 10,000 hours of use/two years or more.

12. **Up gradation.** Vendor should undertake to upgrade the Image intensifier to the latest available version at the end of 10,000 hours of use or three years from date of purchase, whichever is earlier, at mutually agreed upon terms, failing which penalty should be levied.

✓ Commandr
V. B. Yadav
TSN

MAJ ATUL DEVI

Agtr
DC, Dir, DOAG

SK
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AC-Teek CSF

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H. S. Mann
Asst. Col. BB Unit

Approved/Not Approved

(NPS Aulakh)
Director General, NSG