

No. IV-21011/19/2009-Prov-I

Government of India
Ministry of Home Affairs

26, Man Singh Road, Jaisalmer House,
New Delhi, 3.6.2009

To

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

Subject:- QRs/ Technical Specifications of the Static Camera Based under Vehicle
Inspection System.

The QRs/ Technical Specifications of the Static Camera Based under Vehicle
Inspection System as per Annexure, has been accepted by the Competent Authority in
MHA.

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



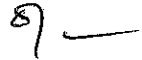
(R.S.Sharma)
Director (Prov)

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PS to JS(PM),MHA



QRs/ Technical Specifications of the Static Camera Based under Vehicle Inspection System

1. The system should have all weather, water proof, under vehicle image unit, observation unit, central processing unit.

2. **Central Processing Unit-**

CPU : Intel Core 2 Duo 6550 (or equivalent configuration), 2.33 GHz, 4 MB L2 cache and 1333 MHz FSB.

Chipset: Intel Q35/or better on OEM Motherboard.

Bus architecture: integrated Graphics, 2 PCI PCI Express x 1 and 1 PCI Express x 16.

Monitor : 19" Touch Screen

Keyboard : 104 keys.

Mouse : Optical

Hard Disk Drive : 260 GB 7200 rpm with extendable up to 4 GB.

Memory : 2 GB 667 MHz DDR 2 RAM with extendable up to 4 GB.

Windows Vista or Linux (REDHATELS or FEDORA8)

10/100/1000 on board integrated Network port with remote booting facility remote system installation. Remote wake up. Out of bank management using any standard management software.

DVD ROM Drive: 8X or better DVD Writer.

Power Source - Mains 230 VAC

Bays: 4 Nos (2 Nos. 5.25 inches for Optical Media Drives and 2 Nos 3.5 inches for Hard Disk Drives)

Ports: 6 USP Ports (with at least 2 in front). Audio ports for microphone and headphone in front.

Cabinet: Mini Tower

DMI: DMI 2.0 Compliance and support.

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3. Under Vehicle Imager-

A. Observation Unit

i) Dimension of Observation Unit - 480 x 480 x 90mm +/- 10 %

ii) Camera – A high-resolution colour line scan camera providing images of undercarriage.

- Camera Assembly - Water Proof outdoor Camera Assembly:
- Sensor Type - Linear CCD
- Lens - 4mm to 12.5mm
- Field of View - 100 degree to 120 degree
- Resolution - 2048 Pixels per line or more
- Pixel Speed - 20 MHz
- Power Consumption - 800 mA
- Camera should be capable to give good quality picture under low light conditions and also in the night.

iii) Material - Stainless Steel/heavy-duty galvanized steel

iv) Environment - IP -65 Rated or better

v) Power supply - 12 VDC battery Backup/Mains 230 VAC

vi) ANPR Camera - Automatic number plate reader Camera with Day and night IR illumination in water proof all weather casing.

- Power Supply - 12 VDC battery backup, Mains 230 VAC
- Illumination - Coaxial Infra-Red illuminator
- Environment - IP- 65 Rated or better

B. Light Bar Assembly :

- Light - Halogen Lights Assembly
- Power Source - 12 VDC

C. Image Comptroller Module -To control light bar assembly and sensors.

4. Other features:-

- System should read vehicle number plate at a speed of minimum 30 km./h.
- System should be capable to give audio and video alarm on detection of any foreign object in the under carriage.
- System should be able to give clear picture of driver in the car during the move.