

No. IV-17017/28/2005-Prov-I  
भारत सरकार/Government of India  
गृह मंत्रालय/Ministry of Home Affairs  
पुलिस आधुनिकीकरण प्रभाग /Police Modernization Division  
संभरण-I डेस्क /Prov.I Desk

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26, Man Singh Road, Jaisalmer House,  
New Delhi, the 1<sup>st</sup> December, 2014.

To,

DsG : AR (through LOAR), BSF, CISF, CRPF, ITBP, SSB, NSG & BPR&D.

**Subject : Trial Directives for Extension Search Mirror.**

The Trial Directives in respect of Extension Search Mirror as per the Annexure have been accepted by the Competent Authority in MHA.

2. Henceforth, all the CAPFs should trial evaluate the above items strictly as per the laid down Trial Directives and Technical Specifications/QRs issued vide letter of even number dated 10-08-2005.
3. Concerned CAPF would be accountable for correctness of Trial Directives.

Yours faithfully,



(P. K. Srivastava)

Under Secretary (Prov-I)

Encl.: As above.

Copy to : SO(IT), MHA : with the request to host the Trial Directives (soft copy being sent through email) on the MHA website (under the page of Organizational Set up-Police Modernization Division) alongwith QRs for Extension Search Mirror.



(R. K. Soni)

Section Officer (Prov.I)

Copy to DDC (Procurement), MHA.

TRIAL DIRECTIVES FOR EXTENSION SEARCH MIRROR

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No.	Qualitative requirements / Technical Specifications of Extension Search Mirror as per MHA Letter No- IV-17017/28/05-Prov-1 dated 10 Aug 2005		Method	Remarks
	Parameter	Specification		
1.	Camera type	Should be a Colour Camera with IR Sensors.  The camera Sensors should adapt to low light Conditions. Should be able to change from colour to black and white in Low- Light conditions.	The BOO to physically check.	
2.	Camera Movement	Manual Movement of 360 <sup>o</sup> with tilt	-do-	
3.	Monitor	4" Hi-resolution LCD Screen.  Should rest around the user's neck for ease of Viewing.	The BOO will physically check the size of screen. Certificate for resolution from a national / international accredited lab to be provided by the firm and BOO to physically check the ease of viewing and the monitor display picture so clearly that all the items can be easily differentiated in light and dark conditions, when the monitor rest around the user's neck.	Check the certificates submitted
4.	Telescopic Pole	Should extend from 90cms to 180cms (Min).  Should be non- rotational, lightweight, aluminium pole with rubber grip.	The BOO will physically check	
5.	Trolley	Under – vehicle trolley.	-do-	
6.	Castors	Should have minimum three swivel castor wheels for smooth operation.	-do-	

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Capt R S Mahla  
ED Unit, NSG  
Abhiram Panhraj  
DC, CRPF.

MANOJ SUNDERIAL  
DC, B.S.F  
Kant Mohan Singh  
AC - ITBP

CRS Bhadawania  
Major  
Telwar HQ NSG  
H. Binoth

DC C & S  
Panah

TRIAL DIRECTIVES FOR EXTENSION SEARCH MIRROR (Contd...)

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Srl No.	Qualitative requirements / Technical Specifications of Extension Search Mirror as per MHA Letter No- IV-17017/28/05-Prov-1 dated 10 Aug 2005		Method	Remarks
	Parameter	Specification		
7.	<b>Battery requirement</b>			
	a) Type	Sealed Lead Acid Battery	The BOO will physically check	
	b) Voltage	12 VDC	-do-	
	c) Charger	12-volt charger and float meter to protect over charging.	-do-	
8.	Operational Features required	a) The unit should have modular design to allow the operator to quickly change from under vehicle search mode to pole cam mode. b) No tools should be required to change from one mode to another. c) Manual swivel and tilt function should make it easy for the operator to point the camera in any direction off the end of the pole.	The extension search mirror to be fully assembled and the smoothness in functioning when it is changed from under Veh search mode to pole cam mode is to be checked. It is to be seen that manual swivel and tilt function are easy when the operator changes the directions of the camera and there is no obstruction from any of its attachment or cables	To be physically checked by BOO
9.	Accessories required	Camera cover to reduce glare from IR LED and protective case.	Under taking by the company would be the acceptance criteria	Check the certificates submitted

*[Signature]*  
 Maj. J.B. Sharma  
 SC (East) Coy (Anti) NSG

*[Signature]*  
 Capt R.S. Mahla  
 SP Unit, NSG

*[Signature]*  
 (Abhisam Panhraj)  
 DC, CRPF

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 MANOJ SUNDRIYAL  
 DC, B.S.F

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 Capt Mahan Singh  
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 CR.S. Bhaduria  
 Major  
 Td (WE), NSG

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 Td. Om Prakash  
 SS B.

*[Signature]*  
 Atal Bihari Vajpayee  
 Atal Bihari Vajpayee

APPROVED / NOT APPROVED

*[Signature]*  
 (J N Choudhury)  
 DG, NSG