

No.IV.17017/13/2006-Prov-I
Government of India/Bharat Sarkar
Ministry of Home Affairs/ Grih Mantralaya

26, Man Singh Road, Jaisalmer House
New Delhi, dated the 16th January, 2012

To

06/2011 05/2008 03/2009
The DsG: AR/BSF/CRPF/CISF/ITBP/NSG/SSB

Sub:- QRs/Specification of High Powered Telescope.

Sir,

I am directed to forward the QRs/Specifications for QRs/Specification of High Powered Telescope, as per annexure, approved by the competent authority for further needful.



(S.B. Nanda)
Under Secretary (Prov-I)

Copy to:-

1. DD(Procurement)

Copy for information to:-

1. PS to JS(PM)

Copy also to:-

1. NIC, MHA, North Block, for publish in MHA, website.

(11)

Directorate General Border Security Force

(Prov Dte : Ord Sec)

The Sub-group of technical experts on surveillance equipment constituted by MHA vide their letter No. IV-17017/18/2001-Prov-I dated 05 Jul 2002 held its meeting at BSF HQ on 10 Feb 2011 and finalised the QRS of High Powered Telescope required by ITBP.

QUALITATIVE REQUIREMENTS - HIGH POWERED TELESCOPE

S/No.	Particulars	Required specification
1.	Magnification	Should be between 30x and 50x. ✓
2.	Telescope type	Should be Binocular.
3.	Casing	Should be of FRP.
4.	Exit pupil specification	7.3 mm \pm 1.0 mm
5.	Eye relief	14-16 mm.
6.	Field of view in degree	Should be not less than 1.5 degree. ✓
7.	Angular range	Should be 0-5 mil.
8.	Resolution of each monocular in centre of view	Should be 4 seconds.
9.	Exact weight	Should not be more than 20 Kg. incl. carrying case, excluding tripod. ✓
10.	Entrance pupil	Should be 110 mm
11.	Angle measurement accuracy mil	Should be 0-5 mil.
12.	Warranty	Should be minimum 3 years
13.	Post sale, repair and maintenance	Should be provided by the firm
14.	Carriage	Should be easily portable in high altitude areas. It should also be easily stripped and assembled, so that it can be manually carried if required
15.	Mil specification	Should conform to mil specification.
16.	Operating temperature	Should be able to function at -40 degree centigrade to +50 degree centigrade temperature ✓
17.	Climatic and durability	Should conform to IS 10236 or Mil Std. 810 F to be supported by a certificate issued by any national/internationally accredited laboratory.
18.	Mounting facility	Should have been mounted on the tripod.
19.	Application	Device should be intended for ground and area observance.
20.	Features requirement	Device should have laying mechanism, angular scales for azimuth and elevation, level, angular position stopper. Dioptr. and inter pupillary adjustments.

[Handwritten signature]

Pankaj Kumar

B *Q* *Contd..2/-*
10/2/11

21.	Scales	The Reticule should be equipped with the angular (in degrees) and range scales (in multiple of 0.5 Km).
22	Filter requirements for weather conditions.	The light filters should consist of filters for eye protection against LASER radiation, neutral filters for bright light conditions, filters for contrast increasing in reduced illumination or fog conditions.

(Signature)
 (D Mukhopadhyay)
 Dy Director, DCPW

(Signature)
 (Pankaj Kumar)
 SC'C, DRDO

(Signature)
 (Ashok Kumar Singh)
 DC, ITBP

(Signature)
 (Mohd Yusuf)
 DC, CRPF

(Signature)
 (Rajeev Sinha)
 Commandant (Ord), BSF

(Signature)
 (Satyawan Gaur)
 Inspr (Tech), SIW

✓
~~Approved/Not Approved~~

(Signature)
 (Raman Srivastava)
 Director General
 Border Security Force