

Directorate General Border Security Force
(Prov Dte: Mod Cell)

Expression of Interest

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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 18 April 2016, 15th May 2016, 17th June 2016, 11th July 2016, 29th Aug 2016 and 25th Jan 2017 to formulate the QRs of **High Resolution Binocular with Graticule** The QRs of **High Resolution Binocular with Graticule** are as under:-

REVISED DRAFT QRS OF HIGH RESOLUTION BINOCULAR WITH GRATICULES (8X & 10X)

User will have a choice to opt for either 8X, 10X or both.		
S/No	Parameter	Specification
1	8X with graticule	
	i) Magnification	8X
	ii) Objective lens dia	30 mm (Max) (μ_n)
	iii) FOV	7° minimum
	iv) Weight	650 gams (Max)
2	10X with Graticule	
	i) Magnification	10X
	ii) Objective lens dia	50 mm (Max)
	iii) FOV	5°30' minimum
	iv) Weight	1.5 kg (Max)
COMMON PARAMETERS APPLICABLE TO ALL I.E (8X30 & 10X50)		
3	Graticule Marking	Should be provided
4	Close focussing distance	15 mtr or less
5	Diopter	$\pm 5^\circ$
6	Inter pupillary distance	Between 56 to 74 mm
7	Prism	BAK 4 or better.
8	Optics	High quality scratch resistant.
9	Optical coating	Fully multi coated optics for Anti Reflection and UV protection.
10	Construction	Binocular should be of Military grade and in commensuration with the Mil standard 810G.
11	Ingress protection	IP 65 or better
12	Non slippery body armour	Non slippery armour should be provided for better grip.

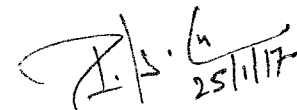
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13	Colour	Black or OG
14	Nitrogen Filling	Nitrogen should be filled in the body of binocular for moisture & fungus protection.
15	Purging valve (Optional requirement to be mentioned by the indenter at the time of indent).	Purging valve should be provided for Nitrogen pressure filling.
16	Operating Temperature	-20 to +55 degree C.
17	Storage Temperature	-30 to + 60 degree C.
18	Neck Sling	A suitable and adjustable Body colour sling be provided to bear weight of 10 Kg min.
19	Carrying case/cover	Water proof soft carrying case. The colour should be olive green or black
20	Transportation Box	Ruggedized military grade container of latest Mil Std.
21	Manual	Soft and hard copies each consisting of the following :- a) Illustration spare parts list. b) User manual with required illustration. c) Instruction on repair & maintenance. d) Exploded view of equipment
22	Testing Instrument/Equipment	Required testing Instruments/Equipment including tools as specified by OEM be provided.
23	Registered Number	The body of binocular shall be marked with the unique tamper proof registered number.

Note- All firms are requested to provide the following.

1. Original Brochure of product by OEM.
2. Detail literature about the product.
3. Comprehensive comments for incorporation in the specifications.
- 4.

The Sub-group has decided to upload the QRs on MHA and BSF website for 15 days to invite the views/ comments/ suggestions of prospective bidders to make the QRs more broad based.



(Rishipal Singh)
Second-In-Command (Mod)