

DIRECTOR GENERAL BORDER SECURITY FORCE
(PROVISIONING DIRECTORATE (MOD CELL))

EXPRESSION OF INTEREST

Commandant (Ord)
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The Sub-group of Technical Experts on Surveillance Equipments constituted by MHA vide their letter No. IV-24011/12/2011-Prov-I dated 13 Jun 2012, No. IV- 24011/12/2011-Prov-I dated 28 Dec 2012 & UO No. IV-24011/12/2011-Prov-I- 350 dated 27th Jun 2013 held its meeting at BSF Headquarters on 19th April 2017, 15th June 2017 and 29th August 2017 to revise the Qualitative Requirement of '**Passive Night Telescopic Sight For 5.56 mm INSAS Rifle and LMG**'.

QUALITATIVE REQUIREMENT OF PASSIVE NIGHT TELESCOPIC SIGHT FOR 5.56 MM INSAS RIFLE AND LMG

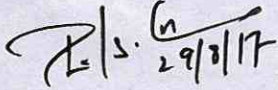
S.No	Parameter				
1	Magnification	4x Min			
2	II Tube : All parameters of II Tube mentioned blow should be supported by certificate of II Tube manufacturer and data sheet of each II Tube must be provided :-				
	a	Resolution	64p/mm or better		
	b	Signal to Noise Rate (SNR)	22 or better		
	c	Mean Time to Failure (MTTF)	Minimum 10000 operational hrs.		
	d	II tube should be a Military Grade			
	e	It should have inbuilt AGC and BSP.			
	f	Permissible black spot level			
		Size of spot (in inches)	Zone 1	Zone 2	Zone 3
		0.003 to 0.006	0	1 (Max)	1 (Max)
		0.006 to 0.009	0	1 (Max)	2 (Max)
		>0.009	0	0	0
3	Field of View		8° Minimum		
4	Range		Single Man Size Target		
	a	Detector Range	400 Mtr Minimum		
	b	Recognition Range	300 Mtr Minimum		
5	Equipment should conform to IP65 or better				
6	Diopter Adjustment		-4.5 to +2 Diopter or better		
7	Range of Focus		25m to infinity or better		
8	Low Bty Indicator		Should be provided on screen/display		
9	Operational Temp		-30°C to +55°C		
10	Reticule		Should be provided		

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11	Reticule On/Off	The reticule illumination should be capable of being turned ON/OFF and its brightness level should be adjustable.
12	Azimuth and Elevation	
	a	Should be provided with the help of reticle on FOV screen.
	b	Checking suitability by firing.
13	Mount Kit	Suitable mounting adaptor should be provided for 5.56 for INSAS Rifle and LMG or specified by the user.
14	Weight including eye guard, light cover, adaptor and batteries	1.375 Kg Maximum.
15	Power Source	
	a	Should be operable independently on primary and rechargeable cells and battery. The equipment is to be supplied with one set of commercially available primary & rechargeable NiMH/Li-Ion cells or battery.
	b	The cell/battery should be capable to run the equipment at least 15 hrs on continuous mode.
	c	A commercially available battery charger should be provided which should have the provision to charge the cells from 90-270 volt AC mains supply as well as 12/24 Volt DC supply.
16	Suitable cover for eye piece & OG.	
17	MIL grade ruggedized transportation box to be provided.	
18	Purging kit to be provided with each equipment.	
19	Technical manual to be provided with each equipment.	

Note: - All firm are requested to comment upon the above mentioned QRs and furnish original OEM Brochures/catalogues.

The sub-group has decided to upload the QRs on BSF and MHA 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)