

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

Expression of Interest

Commandant (Ord)
HQ DG BSF, Prov Dte (Ord Sec)
Block No. 10, CGO Complex
Lodhi Road, New Delhi
(Tele/Fax No. 011-24367683)

The Sub-group of Technical Experts on Surveillance Equipment 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 27 Jun 2013 held its meeting at BSF Headquarters on 20th March 2015, 17th April 2015, 30th Oct 2015, 27th Nov 2015, 08th Feb 2016, 01st June 2016, 07th Oct 2016, 19th Dec 2016 & 09th Jan 2017 to revise the Qualitative Requirement of 'Revolving Search Light'.

After detailed deliberations the referred Sub-group has revised the QRs of 'Revolving Search Light' which are as under:-

QRs OF REVOLVING SEARCH LIGHT

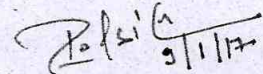
S.No.	SPECIFICATION
01	Housing/Body
	a) Casing/body of Search light should be tubular heavy duty water resistant and one piece moulded with integral handle of ABS. It should be light impact proof and corrosion proof.
	b) Maximum weight including the battery with telescopic base-not more than 10 kg.
02	Construction:
	a) Modular construction consisting of replaceable modules for ease of servicing / repairs.
	b) Halogen Bulb: The lamp shall be replaceable by unscrewing the front cover.
c) The battery and blown fuses can be replaced without disturbing electronic circuit by unscrewing the back cover.	
03	Operating Temperature: Equipment shall be able to operate satisfactorily in the temperature range of - 20 degree C to 55 degree C and 95% RH at 40 degree.
04	Battery: Rechargeable sealed maintenance free battery or dry battery from 6 to 12 Volts.
05	Housing of Battery:
	a) Housing for the battery should be provided in the cabinet/casing of equipment.
	b) There should be adequate space around the battery in the battery housing for dissipation of heat developed in battery while charging.
	c) The battery fuse should be easily accessible from out side for case of replacement.
d) The battery compartment should not be over crowded by placing electronics all	

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S.No.	SPECIFICATION
	around it.
	e) All electronics should be placed on lamp back end of the search light.
	f) Electronics should not be in direct contact with body of the battery.
	g) The housing is such that the battery could be replaced easily.
06	Circuit:
	a) Glass epoxy PCB.
	b) Electronic Component nomenclature should not erase.
	c) Wire should be heavy duty.
	d) Tantalum capacitor should be used.
	e) PCB should be easily removable for repairs.
	f) Moulded modules should not be used at any stage.
	g) Electronic circuits should not be sealed at any stage.
07	It should be operated by Remote Controller with minimum 10 meter range.
08	IR Filter, Should be IR filter which can be attached or detached with ease, IR should be able to jack on the Search Light.(optional).
09	The battery head should be mounted over a telescopic pole of at least 1.5meter height.
10	The battery should be attached to the head of telescopic pole and should be capable to rotate horizontally up to an angle of 360 deg. and vertically up to an angle of 45 deg.
11	Light Intensity: Min 1.5 lux at 500 mtrs..

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 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)