

SDG/ ADG	DG
OFFICE OF DG BSF	
Dy. No.	9775
Date:	04/10/12
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HQ DG BSF N. DELHI
Office of IG (Prov)
Dy No. 2892
Date: 27/10/12

IAC (Proc)

by spm

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F. No. IV-21011/04/2012-Prov.I/1184
Bharat Sarkar/Government of India
Griha Mantralaya/Ministry of Home Affairs
PM Division/Prov. I Desk

26, Man Singh Road, Jaisalmer House
New Delhi, Dated : 25 September, 2012

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

Subject : QRs and Trial Directives FOR Tactical Lights

The QRs and Trial Directives in respect of Tactical Light as per Annexure have been accepted by the Competent Authority in MHA

2. Henceforth, all the CAPFs should procure the above items required by them strictly as per the laid down Technical Specifications/QRs.

DLG (Proc)
VA
spm

Yours faithfully,

(Signature)

(S. B. Nanda)

Under Secretary to the Govt. of India

Tel : 23381278

Comd (PROC)

Copy forwarded for necessary action to :-

- (i) Director, NIC, MHA : It is requested to host the QRs and Trial Directives (soft copy attached) on the MHA website (under the page of Organisational Set up-Police Modernisation Division- Qualitative Requirements)

(Signature)
(Ritesh Kumar)
Section Officer (Prov.II)

Copy to : Director (Procurement), MHA.
Copy for information to : PS to JS (PM)

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Director General Border Security Force
(Provisioning Directorate)

The Sub-group of Technical Experts on Surveillance Equipments constituted by MHA vide their letter No. IV-17017/18/2001-Prov-I dated 05 Jul 2002 held its meeting at BSF headquarters on 17 April 2012 to formulate the QRs of Tactical Light as desired by MHA vide their ID Note No. RC-1688/(Prov-I)/11-Prov-I dated 7 Jan 2011.

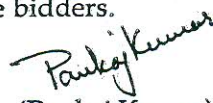
After detailed deliberations the referred Sub-group has formulate the QRs of Tactical Light which are as under:-


S.No.	Parameter	Description
1.	Physical requirement	Weight should not exceed : 300 gm. (without battery) The equipment should be handy and user friendly.
2.	Casing/Body	Body of the equipment should be ruggedized & made of non magnetic and non reflective material.
3.	Focusing lens	A spherical focusing [4°(±10%) to 45° (±10%) adjustable]. (National/International accredited LAB report is required)
4.	Battery	Should be commercially available rechargeable battery/batteries.
5.	Functional Modes	Minimum four modes - High, Medium, Low and Flasher.
6.	Waterproof	The functioning of the equipment should be tested after being submerged in 01 meter deep water for half an hour
7.	Brightness	Min.5000 Lumens at 02 meters distance (National/International accredited LAB report is required)
8.	Runtime	Run time:- High Min 5000 lumen for 2 hours, to be tested physically Medium 4 hours, to be tested physically Low 8 hours, to be tested physically
9.	Lamp	Should have Focusing LED Lamp with aspheric lens.
10.	Operation Temperature	-30°C to 55°C .
11.	Color Temperature	Above 5000K (National/International accredited LAB report is required).
12.	Finish	It should have hard-anodized (HA) finish treatment. (National/International accredited LAB report is required).
13.	AC charger operation	AC charger should recharge battery/batteries.
14.	Battery Charger	Charging process of the battery and fully charged state should be indicated by different colour LEDs.
15.	Accessories	It should be carried easily and be put in holster/carrying case to be fixed on belt.
16.	Sale and services	Undertaking to be provided by the firm for post sale services and availability of spares for a period of minimum seven years.

The Sub-group has decided to upload the revised QRs again on BSF website for comments/ views of the prospective bidders.


(Venu Kumar K.M.)
Joint Director, DCPW


(Priya Ranjan Kumar)
DC (SIW), BSF


(Pankaj Kumar)
Scientist 'C', DRDO


(Vinod Kumar)
SI (Tech), SIW, BSF


(Ajit Prasad)
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(Daljit Singh)
AC, SSB

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**TRIAL DIRECTIVE
FOR
TACTICAL LIGHT**

Sub ¹ L fe Lard
Packey
H Bm
Dante
M. J.

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INTRODUCTION:-

A tactical light is a flashlight used in conjunction with a firearm to aid low light target identification, allowing the marksman to simultaneously illuminate and aim the target. The tactical light is simple, lightweight, shock resistance, with powerful batteries, high light intensity and operable without attachments. Tactical light can be handheld or mounted to the weapon with the light beam parallel to the bore. Tactical light also serve a role of non-lethal force, used to temporarily blind and disorient target.

AIM:-

To frame trial directives to facilitate Board of Officers to carry out physical evaluation of Tender sample of Tactical light at the time of procurement.

Subs
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Dr *fe* *du* *Q* *PK* *BR*
Sanika *Pankaj* *W* *Q*
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GENERAL INSTRUCTIONS-

1. This trial directive is issued to assist and guide the evaluation committee. Nothing in this trial directive absolves the Board of Officers from their responsibility to ensure that the evaluation is carried out strictly as per the specifications in every respect.
2. The Evaluation committee may carry out additional test, which they considers necessary, after seeking approval of Competent Authority, to verify the quality of the tender sample with the specifications.
3. The Evaluation committee should ensure proper safety of man and equipment during evaluation to avoid any damage.
4. Trial / evaluation will be conducted in presence of firm representative only.

COMPOSITION OF THE BOARD:-

The physical evaluation of the tender samples of Tactical light will be carried out by the Board of Officers detailed by the competent authority.

GENERAL REQUIREMENT:

Following test instruments should be available during the trial:

- (a) Variable AC source ranging from 90-270 Volt single phase 50 Hz
- (b) Weighing Machine
- (c) Measuring Tape
- (d) Multimeter
- (e) Lux meter.
- (f) Hot and cold chamber.
- (g) water tank.



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TRIAL DIRECTIVE FOR TACTICAL LIGHT

S No.	PARAMETER	SPECIFICATION	Procedure suggested for trial for Board of Officers	Result expected / desired	Complied / Not Complied
1.	Physical requirement	Weight should not exceed: 300gm. (without battery) The equipment should be handy and user friendly.	Measure the weight of the tactical light without battery with the help of weighing machine.	Weight should not exceed 300gm. (without battery) The equipment should be handy and user friendly.	
2.	Casing /Body	Body of the equipment should be ruggedized & made of non magnetic and non reflective material.	Should be checked physically and also check the supporting documents provided by the OEM.	Body of the equipment must be ruggedized & made of non magnetic and non reflective material. Also check the supporting documents provided by the OEM. In case of any doubt, the veracity of same be checked from concerned OEM.	
3.	Focusing lens	A spherical focusing [4° (±10%) to 45° (±10%) adjustable (National /International accredited LAB report is required)	Check the National/International accredited lab test report submitted by the firm.	Check the certificate submitted. In case of any doubt, the veracity of same be checked from concerned lab.	
4.	Battery	Rechargeable Li-ION Battery.	Should be checked physically.	Must be Rechargeable Li-ION Battery.	
5.	Functional Modes	Minimum four modes—High, Medium, Low and Flasher	Should be checked physically after pressing / rotating the selector switch for all the four modes.	Function mode must be Minimum four modes—High, Medium, Low and Flasher.	
6.	Waterproof	The functioning of the equipment should be tested after being submerged in 01meter deep water for half an hour.	Should be checked physically after submerging the equipment in a water filled tank having the depth more than 02 mtr and equipment submerged/suspended in 01 mtr for	All functions of the equipment should work after submerging for half an hour in 01 meter deep water.	

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[Handwritten signatures and initials]
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	/International accredited LAB reports is required).	by the firm.	case of any doubt, the veracity of certificate be checked from concerned lab.	
13.	Battery charging Charging time should be maximum 4 hrs with 220 volt AC.	Should be checked physically after connecting the charger to the 220 v AC mains and also note the charging time with the help of stop watch.	Battery charger should charge the battery within 4 hrs with 220 volt AC.	
14.	Battery Charger Charging process of the battery and fully charged state should be indicated by different colours LEDs.	Should be checked physically.	During battery charging, battery charger must have the visual indication of Charging status of the battery and fully charged state should be indicated by different colour LEDs.	
15.	Accessories It should be carried easily and be put in holster /carrying case to be fixed on belt.	Should be checked physically.	It should be complied with.	
16.	Sale and services Undertaking to be provided by the firm for post sale services and availability of spares for a period of minimum seven years.	An undertaking in this regard to be obtained from firms.	-	

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