

संख्या. पी-63013/206/01/2024/मोड-1/सीओसुओबल/ 2044-18

भारत सरकार, गृह मंत्रालय
महानिदेशालय सीमा सुरक्षा बल
(रसद निदेशालय: आधुनिकीकरण सैल)
(Email-comdtord@bsf.nic.in)

ब्लाक संख्या . 10,
सीजीओ काम्पलेक्स,
लोधी रोड, नई दिल्ली-03
दिनांक 8 सितम्बर 2026

वरिष्ठ तकनीकी निदेशक

The Senior Technical Director

राष्ट्रीय सूचना-विज्ञान केन्द्र, नोर्थ ब्लॉक,

गृह मंत्रालय, नई दिल्ली

NIC, North Block, MHA

New Delhi

(द्वारा ई-मेल)

(ई-मेल पता : mpsugandhi@nic.in)

Sub: **Request for comments of stakeholders/OEM on draft QRs & TDs**

कृपया गृह मंत्रालय के पत्र संख्या IV-24011/12/2011-Prov-I(part)(CFN 3300890)-1710 दिनांक 31st Aug 2015 के सन्दर्भ में।

2. उपरोक्त विषयान्तर्गत सूचित किया जाता है कि तकनीकी विशेषज्ञों के उप समूह द्वारा “Dragon Search Light” के गुणात्मक आवश्यकता/परीक्षण निर्देशों के मसौदे का प्रारूप दिनांक 01 सितम्बर 2026 को आयोजित सभा के दौरान तैयार किया गया, जिसको इस आशय से प्रेषित किया जा रहा है कि उक्त उपकरण के गुणात्मक आवश्यकता/परीक्षण निर्देश को गृह मंत्रालय की वेबसाइट पर 15 दिन के लिए अपलोड करने का श्रम करें।

संलग्न: उपरोक्तनुसार


(कपिल चाहर)
उप कमाण्डेंट (मोड)

प्रतिलिपि :-

1. SO (IT), North Block, MHA : उपरोक्त उपकरण के गुणात्मक आवश्यकता /परीक्षण निर्देशों के मसौदा को आपके सूचनार्थ एवं अग्रिम कार्यवाही हेतु प्रेषित किया जाता है।
(Through E-mail)
(E-mail address: soit@nic.in)
2. IT Wing, FHQ BSF : उपरोक्त उपकरण के गुणात्मक आवश्यकता /परीक्षण निर्देशों के मसौदे को सीमा सुरक्षा बल की वेबसाइट पर 15 दिन के लिए अपलोड करने का श्रम करें। आपसे अनुरोध है कि उक्त मसौदे को गृह मंत्रालय की वेबसाइट पर भी अपलोड करने हेतु निम्नलिखित पतों पर ई-मेल करने का श्रम करें:-
(a) Technical Director, NIC, North Block, MHA
(E-mail : mpsugandhi@nic.in)
(b) SO (IT), North Block, MHA
(E-mail : soit@nic.in)
3. Prov Dte (Ord Section) : For information w.r.t your UO No. 3359 dated 7th Aug 2026.
4. File.

भारत सरकार, गृह मंत्रालय
महानिदेशालय सीमा सुरक्षा बल
(रसद निदेशालय: आधुनिकीकरण सैल)
ब्लाक संख्या . 10, सीजीओ काम्पलैक्स, लोधी रोड, नई दिल्ली-03
(Email-comdtord@bsf.nic.in)

संख्या. पी-63013/206/01/2024/मोड-1/सी0सु0बल/

दिनांक ___ सितम्बर 2026

विषय : “DRAGON SEARCH LIGHT” के गुणात्मक आवश्यकता/परीक्षण निर्देशों पर हितधारकों/निर्माताओं/विक्रेताओं की टिप्पणी के लिए अनुरोध।

“Dragon Search Light” के गुणात्मक आवश्यकता और परीक्षण निर्देशों को परिशिष्ट 'ए' के रूप में संलग्न किया गया है। हितधारकों/निर्माताओं/विक्रेताओं से अनुरोध किया जाता है कि वे उस उत्पाद की विस्तृत एवं स्टीक जानकारी दें। साथ ही प्रत्येक पैरामीटर के अनुरूप अपने उत्पाद के सही विवरणों को प्रस्तुत करें। सिर्फ 'अनुपालना' या 'अनुपालना नहीं' वाली टिप्पणी स्वीकार नहीं की जाएगी।

- क्या आप मूल उपकरण निर्माता/विक्रेता हैं?
- यदि विक्रेता मूल उपकरण निर्माता का विवरण देता है।
- मूल उपकरण निर्माता से प्राधिकरण प्रमाण पत्र।
- उत्पाद की मूल सूची।
- उत्पाद ब्रोशर एवं साहित्य रचना का ब्यौरा

1. आवश्यक जानकारी/विवरण 22 सितम्बर 2026 तक निम्नलिखित पते पर भेजे जा सकते हैं।

रसद निदेशालय, सीमा सुरक्षा बल
लेवल-8, ब्लाक-10,
केन्द्रीय कार्यालय परिसर, लोधी रोड,
नई दिल्ली-110003
ईमेल:- comdtord@bsf.nic.in

2. शीघ्र प्रतिक्रिया का अनुरोध किया जाता है।

कपिल चाहर
08/09/24
(कपिल चाहर)

उप कमाण्डेंट (आधुनिकीकरण)

Government of India
Ministry of Home Affairs
Directorate General Border Security Force
(Prov Dte: Mod Cell)
Block No.10, CGO Complex, Lodhi Road, New Delhi-03
(Email-comdtord@bsf.nic.in)

No. P-63013/206/01/2024/Mod-I/BSF/

Dated, the __Sept 2026

Subject : Request for comments of stakeholders/OEM/Firms on QRs (Qualitative Requirements) & TDs (Trial Directives) of "DRAGON SEARCH LIGHT"

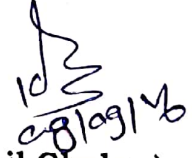
The draft QRs/TDs "Dragon Search Light" is attached as **Appendix-'A'**. The OEMs/Vendors are requested to forward information of the product, which they can offer and also forward correct specifications of their system against each parameter. Only complied or not complied remarks will not be accepted. The firms are also requested to furnish the following details:-

- Whether you are OEM/Vendor?
- If vendor details of OEM.
- Authorization certificate from OEM.
- Original catalogue of the product
- Brochure/Literature of the product

2. The required information/details may please be forwarded at the following addresses by 22.09.2026.

Directorate General BSF,
Level-8, Block No. 10,
CGO Complex, Lodhi Road,
New Delhi-110003
Email: comdtord@bsf.nic.in

3. An early response is requested.


(Kapil Chahar)
Dy. Commandant (Mod)

Draft QRs & TDs of Dragon Search Light (DSL) with IR Filter

S/No	Parameter	QRs	TDs	Result excepted/desired
1.	Body	The DSL should be compliant to IP 65 or better. The Body should be tubular & heavy duty:- a) Heat Resistant b) Shock Resistant c) Dust Resistant	i) Firm to submit National/ International accredited lab certificate for the same. ii) DSL be placed at a height of minimum 1 mtr and drop on a hard surface. DSL should not be deformed and have any crack. After drop test eqpt should work properly	The DSL must be compliant to IP 65 or better. Body must be tubular heavy duty, heat, shock and dust resistant.
2.	Construction	a) Modular construction easy to operate by a trained soldier. b) Colour of the casing should be olive green or black c) Markers name and operational instructions in brief shall be printed on the casing of the body.	To be physically checked by the BOO. To be physically checked by the BOO for its body colour. To be physically checked by the BOO.	Model of construction of DSL must be easy to operate. Colour of the casing must be olive green or black Markers name and operational instructions in brief must be printed on the casing of the body.
3.	Operating Temperature	Torch light shall be able to operate satisfactory in range temperature of -20°C to + 55°C with 95% RH.	Firm has to submit National/ International accredited lab certificate in respect of the same.	Firm must submit National/ International accredited lab certificate in respect of the same.
4.	Lithium Battery with suitable charger	a) Commercially available rechargeable Lithium battery b) Charging time should be 04 hrs (Maximum) (For fully discharged battery)	To be physically checked by the BOO the type of battery used and its suitability with the DSL and OEM to issue a standardized Certificate. To be physically checked by BOO.	Rechargeable Lithium battery of suitable size & shape suiting the design of the DSL must be provided. Charging time must be 04 hrs maximum (For fully discharged battery)

S/No	Parameter	QRs	TDs	Result excepted/desired
		c) Battery endurance should be 3 hours on full illumination and 5 hours in IR mode with fully charged battery).	To be physically checked by the BOO.	Battery endurance must be 3 hours on full illumination and 5 hours in IR mode with fully charged battery.
		d) Housing for the battery should be provided in the cabinet/casing of the DSL.	To be physically checked by the BOO by inserting the battery in the cabinet/casing of the DSL.	Housing for the battery must be provided in the cabinet/casing of the DSL.
		e) The housing is such that the battery should be replaced easily.	To be physically checked by the BOO by replacing the battery.	The housing is such that the battery must be replaced easily.
		f) Low battery indicator should be provided.	To be physically checked by BOO by connecting through regulated power source by decreasing/increasing their Voltage.	Low battery indicator must be provided.
		g) Input voltages 90 to 270 volts, 50 Hz single phase AC.	To be physically checked by the BOO by connecting the AC power through Rheostat/Dimmer by the AC input from 90 Volt to 270 Volt. Check the out-put of the charger.	The out-put of the charger must not vary during input from 90 to 270 volt AC.
		h) Adequate protection should be provided to prevent the battery from over charge.	To be physically checked by BOO.	Adequate protection must be provided to prevent the battery from over charge.
		i) Battery life- 2 Year (Two year)	Firm to submit an undertaking certificate in this regard.	Firm must provide an undertaking certificate in this regard.

S/No	Parameter	QRs	TDs	Result excepted/desired
5.	Wiring	Wiring should be neat and clean using minimum number of wires for ease of serviceability. Wire should be of heavy duty.	To be physically checked by the BOO.	Wiring must be neat and clean using minimum number of wires for ease serviceability. Wiring must be for heavy duty.
6.	Switches/ Select	a) Suitable control for ON/Off and function like flasher and dimmer.	To be physically checked by the BOO.	Must be provided suitable control for ON/OFF and function like flasher and dimmer.
		b) Separate switch should be provided for change in IR mode only .	To be physically checked by the BOO.	Separate switch must be provided for change in IR mode only.
7.	Beam distance/ range of Illumination	DSL should be able to detect a moving person at a distance of 300 Mtrs (Minimum) in full illumination mode.	Move group of 3 person at the range of 300 meters (min) and move them horizontally and monitor the beam by person placed horizontally away from the beam source.	The group of 3 person must be detected from 300 meters (Min).
8.	IR illumination	DSL should be able to illuminate a moving person at a distance of 300 Mtrs (Minimum) in fully darkness condition on IR illumination mode and moving person should be detected through Night Vision Device (NVD).	Move group of 3 person at the range of 300 meters (min) and move them horizontally and monitor the beam by person placed horizontally away from the IR source.	The group of 3 person must be detected through NVD from 300 meters (Min).
9.	Beam Angle	7 to 11 degree	Firm has to submit National / International accredited lab or any Govt. Lab certificate in respect of the same.	Beam angle must be between 7 to 11 degree.
10.	Length	Up to 400 mm	To be physically checked by the BOO.	Length must be up to 400 mm.

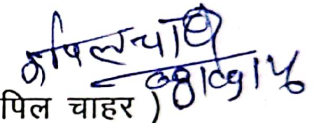
S/No	Parameter	QRs	TDs	Result excepted/desired
11.	Weight	1000 gram (Maximum) including battery.	To be physically checked by the BOO.	Weight must be 1000 gram (Max.) including battery
12.	Diameter (head)	60 mm to 75 mm	To be physically checked by the BOO.	Diameter (head) must be 60 mm to 75 mm
	Diameter (Body)	Up to 50 mm	To be physically checked by the BOO.	Diameter (Body) must be up to 50 mm.
13.	Light source	LED based light source single or multiple.	To be physically checked by the BOO.	LED based light source single or multiple
14.	Reflector	Parabolic or better reflector mounted in shock resistance cap good quality rubber.	To be physically checked by the BOO.	Parabolic or better reflector must be shock resistant.
15.	Front Glass	The glass should be good quality, heat and scratch resistant.	Firm to submit OEM Certificate for the same.	The glass must be of good quality, heat and scratch resistant.
16.	Warranty	Two year for DSL with battery.	Firm to submit an undertaking certificate in this regard.	A certificate in this regard must be obtained from the firm.
17.	Misc	a) User Manual with operational instructions should be provided with each DSL.	Firm to submit an undertaking certificate in this regard.	An undertaking in this regard must be obtained from the firm.
		b) Technical manual including schematic diagram and spare parts list should be provided.	Firm to submit an undertaking certificate in this regard.	An undertaking in this regard must be obtained from the firm.
		c) 05 days training on repair and maintenance of the equipment to minimum 10 technicians at OEM premises.	Firm to submit an undertaking certificate in this regard.	An undertaking in this regard must be obtained from the firm.
		d) Spare parts support should be provided by the firm for at least 7 years.	Firm to submit an undertaking certificate in this regard.	An undertaking in this regard must be obtained from the firm.

S/No	Parameter	QRs	TDs	Result excepted/desired
18.	Flashlight (Quality control) Order 2025.	Shall confirm to BIS standard IS 2083:2024.	Firm to provide BIS certificate for compliance to IS 2083:2024 (Flash-light).	A BIS certificate in this regard must be obtained from the firm

तकनीकी विशेषज्ञों के उप समूह द्वारा यह निश्चित किया गया है कि उक्त गुणात्मक आवश्यकता को अधिक बेहतर बनाने के लिए गृह मंत्रालय एवं सीमा सुरक्षा बल की वेबसाइट पर विक्रेताओं/फर्मों के सुझाव प्राप्त करने हेतु 15 दिनों के लिए अपलोड किया जाए।

नोट – सभी विक्रेताओं/फर्मों से निवेदन है कि अपने सुझावों के साथ निम्नलिखित कागजात संलग्न कर ई-मेल पता comdtord@bsf.nic.in पर भेजने का श्रम करें:-

1. उत्पाद की वास्तविक विवरण पुस्तिका।
2. उत्पाद की साहित्यिक रचना का ब्यौरा।
3. गुणात्मक आवश्यकताओं के उपर व्यापक टिप्पणीयों।


 (कपिल चाहर)
 उप कमांडेंट (आधुनिकीकरण)