

संख्या. पी-63013/11/2022/मोड-1/सीसुबल 4232-44

भारत सरकार, गृह मंत्रालय
महानिदेशालय सीमा सुरक्षा बल
(रसद निदेशालय: आधुनिकीकरण सैल)
(Email-comdtord@bsf.nic.in)
(Fax: 011-24367683)

ब्लाक संख्या . 10,
सीजीओ काम्पलैक्स,
लोधी रोड, नई दिल्ली-03
दिनांक ___ दिसम्बर 2022

सेवा में,

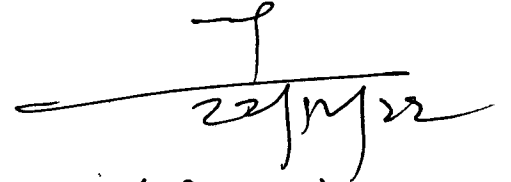
महानिदेशक:- आसाम राईफलस (through LOAR), केन्द्रीय ओद्योगिक सुरक्षा बल,
केन्द्रीय रिजर्व पुलिस बल, भारतीय तिब्बत बोर्डर पुलिस, सशस्त्र सीमा बल,
राष्ट्रीय सुरक्षा गार्ड एवं पुलिस अनुसन्धान एवं विकास ब्योरो

विषय: अनुमोदित गुणात्मक आवश्यकता /परीक्षण निर्देशों का प्रेषण

तकनीकी विशेषज्ञों के उप समूह द्वारा किए गये सूत्रीकरण एवं महानिदेशक सीमा सुरक्षा बल द्वारा अनुमोदित निम्नलिखित उपकरणों के गुणात्मक आवश्यकता/परीक्षण निर्देशों को आपकी अग्रिम कार्यवाही हेतु प्रेषित किया जाता है।

- (i) Anti Drone Gun
(ii) Light Weight Lumen Torch Light

संलग्न : उपरोक्तनुसार



(जमील अहमद)


उप महानिरीक्षक (रसद/परिवहन)

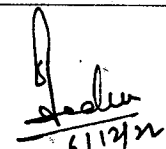
प्रतिलिपि :-

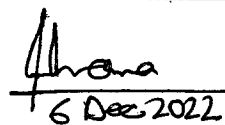
- तकनीकी निदेशक
The Technical Director
राष्ट्रीय सूचना-विज्ञान केन्द्र, नोर्थ ब्लाक,
गृह मंत्रालय, नई दिल्ली
NIC, North Block, MHA
New Delhi (द्वारा ई-मेल)
(ई-मेल पता : mpsugandhi@nic.in) : आपसे अनुरोध है कि उक्त उपकरण के गुणात्मक आवश्यकता /परीक्षण निर्देशों को गृह मंत्रालय की वेबसाईट (पुलिस आधुनिकीकरण विभाग- गुणात्मक आवश्यकता) पर अपलोड करने का श्रम करें।
- SO (IT), North Block, MHA
(Through E-mail)
(E-mail address: soit@nic.in) : आपसे अनुरोध है कि उक्त उपकरण के गुणात्मक आवश्यकता /परीक्षण निर्देशों को गृह मंत्रालय की वेबसाईट (पुलिस आधुनिकीकरण विभाग- गुणात्मक आवश्यकता) पर अपलोड करने का श्रम करें।
- तकनीकी विंग, सीमा सुरक्षा बल : आपसे अनुरोध है कि उक्त उपकरण के गुणात्मक आवश्यकता /परीक्षण निर्देशों को सीमा सुरक्षा बल की वेबसाईट पर अपलोड करने का श्रम करें।
- ICT निदेशालय, NII Cell, सीमा सुरक्षा बल : आपके पत्र संख्या 8168 दिनांक 21 सितम्बर 2022 के सन्दर्भ में अनुमोदित Anti Drone Gun के गुणात्मक आवश्यकता /परीक्षण निर्देशों को प्रेषित किया जा रहा है।
- रसद निदेशालय-आयुध अनुभाग : आपके पत्र संख्या 1920 दिनांक 24 मई 2021 के सन्दर्भ में अनुमोदित Light Weight Lumen Torch Light के गुणात्मक आवश्यकता /परीक्षण निर्देशों को प्रेषित किया जा रहा है।

QRs and TDs of Light Weight Lumen Torch Light

S No	Parameter	Specification	Procedure suggested for trial	Result expected / desired
1.	Body	Body should be tubular heavy duty:- a) Water Resistant b) Heat Resistant c) Shock Resistant d) Dust Resistant	Firm to submit Indian Govt. Institution / NABL Certificate for the same.	Body must be tubular heavy duty, water, heat, shock and dust resistant.
2.	Construction	a) Modular construction easy to operate by a trained soldier.	To be physically checked by the BOO.	Model of construction of torch light must be easy to operate.
		(b) Colour of the casing should be olive green or black.	To be physically checked by the BOO for its body colour.	Colour of the casing must 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.	Markers name and operational instructions 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 $+55^{\circ}\text{C}$ with 95% RH.	Firm has to submit any Indian Govt. Institution / NABL Certificate, in respect of the same.	Firm must provide any Indian Govt. Institution / NABL Certificate in respect of the same.
4.	Lithium Battery with suitable charger	(a) Rechargeable lithium battery.	To be physically checked by BOO the type of battery used and its suitability with the LWHLTL physically and OEM to issue a standardized Certificate.	Rechargeable lithium battery of suitable size & shape suiting the design of the LWHLTL must be provided.
		(b) Charge time - 3 Hrs \pm 1 Hrs, which makes it relatively easier and more probable to fully recharge.	To be physically checked by BOO.	Battery must be charged within 3 Hrs \pm 1 Hrs, which makes it relatively easier and more probable to fully recharge.

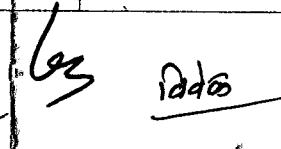
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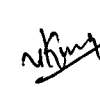








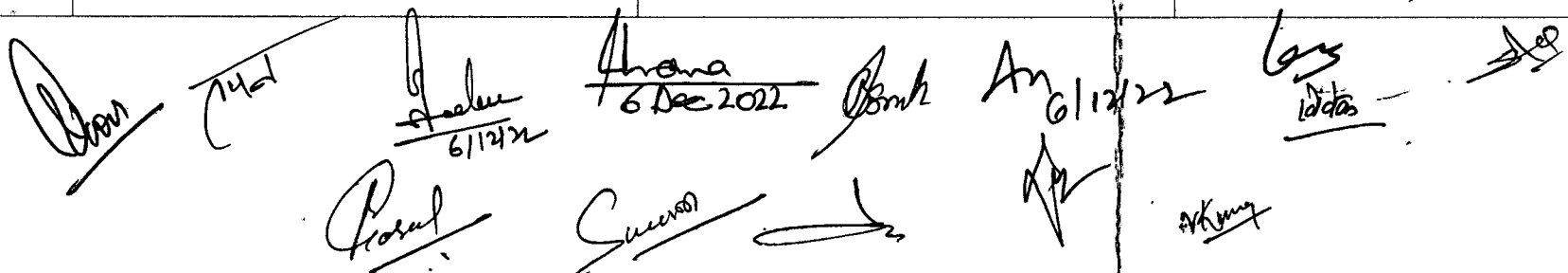




S No	Parameter	Specification	Procedure suggested for trial	Result expected / desired
		(c) Discharge time - 5 Hrs \pm 1 Hrs continuance use with full load.	To be physically checked by BOO by continuous operation of 5 hrs \pm 1 hrs with full load.	Battery must be run for continuous operation of 5 hrs \pm 1 hrs with full load.
		(d) Housing for the battery should be provided in the cabinet/casing of the Torch Light	To be physically checked by BOO by inserting the Battery in the cabinet/casing of the torch light.	Housing for the Battery must be provided in the cabinet/casing of the Torch Light.
		(e) The housing is such that the battery could be replaced easily.	To be physically checked by BOO by replacing the battery.	Housing must be easy to replace the battery.
		(f) Low battery indicator shall 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 BOO by connecting the AC power through Rheostat /Dimmer. AC power supply Vary the Input from 90 Volt to 270 V. Check the out-put of the charger.	The out-put of the charger must not vary as the in-put varies from 90 volt to 270 volt.
		(h) Adequate protection shall be provided against short circuit and bty over charge.	To be physically checked by BOO against short circuit and battery over charging.	Adequate protection must be provided against short circuit and battery over charge.
		(j) Battery life - 1 Year (One year).	Check the Certificate in respect of operational life.	OEM must provide battery life Certificate or under taking in this regard.
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 of serviceability. Wire should be of heavy duty.

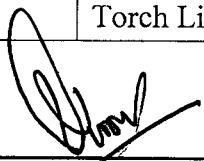
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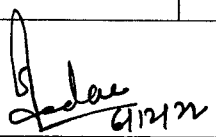
S No	Parameter	Specification	Procedure suggested for trial	Result expected / desired
6.	Switches/ Select	Suitable control for ON/OFF and function like flasher and dimmer.	To be physically checked by BOO.	Must be provided Suitable control for ON/OFF and function like flasher and dimmer.
7.	Beam distance/ Range of illumination	Torch Light should be able to detect a moving person at a distance of 300 Mtrs (Minimum).	Move group of 3 persons 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 men must be detected from 300 meters (min).
8.	Beam Angle	7 to 11 degree	Firm has to submit any Indian Govt. Lab & OEM Certificate in respect of the same.	Beam Angle must be between 7 to 11 degree.
9.	Length	Upto 40 Cms	To be physically checked by BOO.	Length must be upto 40 Cms.
10.	Weight	700 Gram ± 100 Gram	To be physically checked by BOO.	Weight must be 700 Gram ± 100 Gram
11.	Diameter (head)	6 Cms to 7.5 Cms	To be physically checked by BOO.	Diameter (head) must be 6 Cms to 7.5 Cms
	Diameter (Body)	Upto 5 Cms	To be physically checked by BOO.	Diameter (Body) must be upto 5 Cms
12.	Light source.	LED based light source single or multiple	To be physically checked by BOO.	LED based light source single or multiple highly lumen.
13.	Reflector	Parabolic or better reflector mounted in shock resistance cap good quality rubber	To be physically checked by BOO.	Parabolic or better reflector must be shock resistant.
14.	Front Glass	The glass should be of good quality and should be heat and scratch resistant.	OEM.to provide Certificate on the same.	The glass must be of good quality, heat and scratch resistant.
15.	Warranty	One year for Torch Light and Battery.	Check the Certificate in respect of Torch light and battery warranty.	OEM must provide Torch and battery life certificate.

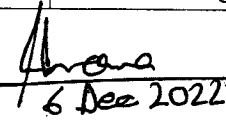



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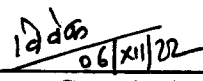
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16.	Misc	User Manual should be provided with each Torch Light.	To be physically checked by BOO.	User Manual must be provided with torch light.

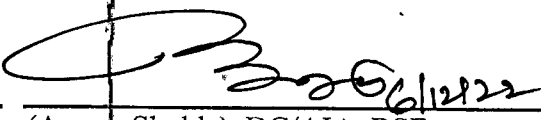

 (Pankaj Goomer), ADG (Log), BSF

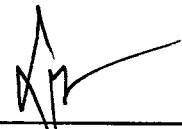

 (S C Yadav), DIG(SIW) (Now IG), BSF



 (Happy Verma), Comdt Ord, BSF



 (Dr. M M Gosal), SSO, BPR&D


 (Vivek Kumar Gupta), JAD, DCPW


 (Anoop Shukla), DC/AIA, BSF


 (Lalit Saxena), DC/Conn, CRPF



 (Tapan Wadhwa), DC, CISF

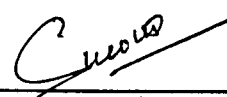

 (Vipin Kumar), AC-II, NSG


 (Ph. K K Sharma), AC, SIW, BSF


 (Inspr/RM Ashwani Kumar), SIW, BSF


 (Inspr Jogender Lal), ITBP


 (Sub Balwan Singh), LO Assam Rifles


 (ASI/Conn Bhatt Shekhar), SSB

✓
Approved / Not Approved


 Director General
 Border Security Force