

No. P-63013/15/2015-Ord/BSF/ 2098-2100
 Government of India Ministry of Home Affairs
 Directorate General Border Security Force
 (Prov Dte: Mod Cell)
Fax: 011-24367683

Block No.10, CGO Complex,
 Lodhi Road, New Delhi-03

Dated, the 08th June 2017

Technical Director
 NIC, North Block, MHA
 New Delhi
(Through E-mail)

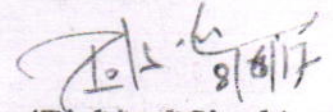
(E-mail address : mpsugandhi@nic.in)

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

Kindly refer to MHA letter No. IV-24011/12/2011-Prov-I (part) (CFN 3300890)-1710 dated 31st Aug 2015.

2. In this connection, it is to inform that draft QRs of "Hand Held Laser Range Funder (Portable)" revised by Sub-group of technical experts during the meeting held on 08th June 2017 at HQ DG BSF, is forwarded herewith with the request to upload the same on MHA website for 15 days please.

Encl: - As above



(Rishipal Singh)

Second-In-Command (Mod)

Copy to :-

| | |
|---|---|
| 1. SO (IT), North Block, MHA (Through E-mail) (E-mail address :soit@nic.in) | : For information and necessary action alongwith a copy of draft revised QR's of 'Hand Held Laser Range Finder (Portable)'. |
| 2. IT Wing, FHQ BSF | : i) Alongwith a copy of draft revised QR's of Hand Held Laser Range Finder (Portable) with the request to upload same on BSF website for 15 days i.e. upto 23 rd June 2017. The text may be removed on 24 th June 2017. ii) It is also requested to e-mail this letter alongwith draft QRs to following addressee :- a) Technical Director, NIC, North Block MHA (E-mail : mpsugandhi@nic.in) b) SO (IT), North Block, MHA (E-mail : soit@nic.in) |

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|-----------------|----------|
| कर्मचारी का नाम | |
| पद | |
| आदेश क्र | |
| दिनांक | 08/06/17 |
| स्थान | Mod Cell |
| मुख्य लिपिक | |
| HEAD CLK | |
| कर्मचारी नं० | |
| DEPT NO | |

DIRECTOR GENERAL BORDER SECURITY FORCE
(PROVISIONING DIRECTORATE (ORD SECTION))

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)
Mail id : comdtord.bsf.nic.in

The Sub-group of Technical Experts 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 24th April 2017 and 08th June 2017 to formulate the QRs of **'Hand Held Laser Range Finder (Portable)**.

Qualitative Requirements OF Hand Held Range Finder (Portable)

| S. No. | Parameters | |
|--------|--|---|
| 1 | Range | From 50 mtr to 3000 mtr atmosphere visibility – 10 km (target size 1.5x 0.5 mtr) |
| 2 | Accuracy | ± 5 mtr |
| 3 | PRF | One shot every five second or better. |
| 4 | Discrimination | 50 mtr (Multiple target) |
| 5 | False alarm | less than 01 percent |
| 6 | Laser pulse | Should be eye safe, nominal ocular hazard distance of zero meter |
| 7 | Weight | Less than 600 grams |
| 8 | Optics | Can be monocular or binocular |
| 9 | FOV | 6 degree minimum |
| 10 | Magnification | 4X minimum |
| 11 | Dioptr setting | ± 4D or better |
| 12 | Power supply | Lithium ion battery (commercially available and one set of spare batteries should also be provided along with the equipment. |
| 13 | Battery capacity | It should have rechargeable battery inside cover of main equipment. It should run the equipment for eight hours continuously on single charge and be able to take minimum 5000 or more measurement. |
| 14 | Digital-Magnetic Compass (optional requirement. To be specified by the user at the time of indent) : | |
| | i. | Inclination Angle measuring capability 45° minimum. |
| | i. | Declination Angle measuring capability 45° minimum. |

| | | |
|----|------------------------------------|---|
| | ii. | Inclination Accuracy : $\pm 1^\circ$ |
| | iii. | Azimuth accuracy : $\pm 1^\circ$ |
| | iv. | Compass Calibration : Menu giddied |
| | vi. | The DMC should be MIL-STD-461E compliant for EMI/EMC |
| 15 | Display | |
| | i | Type - High Brightness LED with auto brightness control |
| | ii | Resolution - 640 x 480 |
| | iii | Multiple Targets display upto previous 05 targets. |
| 16 | Operating temperature | -30° C to + 55° C |
| 17 | Storage temperature | -40°C to + 60°C |
| 18 | Ruggedness | Should comply Mil Std 810F or better/JSS55555. |
| 19 | Standard Accessories with each LRF | |
| | i | Soft Carrying Case |
| | ii | Neck Strap |
| | iii | Hard Transportation/Packing Box |
| | iv | Lens Cleaning Kit |
| 20 | Literature :with each LRF | |
| | i | Lens Cleaning Kit |
| | ii | User manual in English |
| | iii | Short Instructions |
| | iv | Technical manual : All the literature should be both in Soft and hard copy. |

Note: - All the firms are requested to comment upon the above mentioned QRs and furnish brochure/catalogue of their products from the OEMs.

The Sub-group has decided to upload the QRs on MHA/BSF website for 15 days to invite the views/comments/suggestion of prospective bidders to make the QRs more broad based.

(Signature)
8/2/17

(Rishipal Singh)
Second-In-Command (Mod)