

संख्या. पी-63013/57/2022/मोड-1/सीसुबल 215-18

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

ब्लाक संख्या . 10,
सीजीओ काम्प्लेक्स,
लोधी रोड, नई दिल्ली-03

दिनांक 20 जनवरी 2023

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)

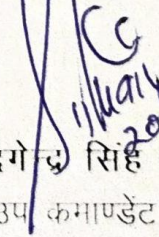
(ई-मेल पता : mpsugandhi@nic.in)

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

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 यह सूचित किया जाता है कि तकनीकी विशेषज्ञों के उप समूह द्वारा "RFID Scanner/Reader and RFID Tag Developer" के गुणात्मक आवश्यकता/परीक्षण निर्देशों का प्रारूप दिनांक 06 मई 2022 में आयोजित सभा के दौरान तैयार किया गया था जिसको इस आशय से प्रेषित किया जा रहा है कि उक्त गुणात्मक आवश्यकता/परीक्षण निर्देश को पुनः गृह मंत्रालय की वैबसाइट पर 15 दिन के लिए अपलोड करने का श्रम करें।

संलग्न : उपरोक्तनुसार


(दिगेन्द्र सिंह पेंवार)
उप. कमाण्डेंट (मोड)

प्रतिलिपि :-

1. SO (IT), North Block, MHA : उपरोक्त गुणात्मक आवश्यकता/परीक्षण निर्देश का
(Through E-mail) मसौदा आपके सूचनार्थ एवं अग्रिम कार्यवाही हेतु।
(E-mail address: soit@nic.in)
2. IT Wing, FHQ BSF : i) उपरोक्त गुणात्मक आवश्यकता/परीक्षण निर्देश के
मसौदे को सीमा सुरक्षा बल की वैबसाइट पर 15 दिन
के लिए अपलोड करने का श्रम करें।
3. ICT Dte- Eqpt Sec : आपके कार्यालय के यूओ संख्या 463 दिनांक
13 जनवरी 2023 के सन्दर्भ में।

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)
(Fax: 011-24367683)

संख्या. पी-63013/57/2023/मोड- I/सीसुबल

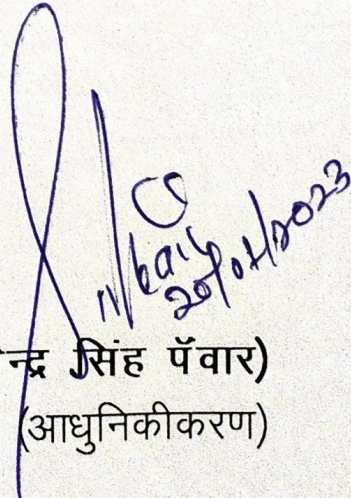
दिनांक 20 जनवरी 2023

विषय : “RFID Scanner/Reader and RFID Tag Developer” के गुणात्मक आवश्यकता/परीक्षण निर्देशों पर हितधारकों/निर्माताओं/विक्रेताओं की टिप्पणी के लिए अनुरोध।

1. “RFID Scanner/Reader and RFID Tag Developer” 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।
2. आवश्यक जानकारी/विवरण 05 फरवरी 2023 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

3. शीघ्र प्रतिक्रिया का अनुरोध किया जाता है।


(दिगेन्द्र सिंह पॅवार)
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
(Fax: 011-24367683, Email-comdtord@bsf.nic.in)

No. P-63013/60/2022/Mod-I/BSF/

Dated, the 20 Jan 2023

Subject : Request for comments of stakeholders/OEM/Firms on QRs (Qualitative Requirements) & TDs (Trial Directives) of "RFID Scanner/Reader and RFID Tag Developer".

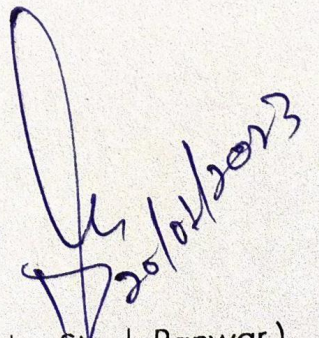
1. The revised QRs/TDs "RFID Scanner/Reader and RFID Tag Developer" is attached as Appendix 'A'. The OEMs/Vendors are requested to forward information of the product, which they can offer and also forward correct specifications of their system against each parameter. Only complied or not complied remarks 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 05.02.2023.

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.


(Digendra Singh Panwar)
Dy. Commandant (Mod)

DRAFT QRs/TDs OF RFID SCANNER /READER AND RFID TAG DEVELOPER.

S.No	Parameter	Specification	Trial Directives	Complied not / not complied
RFID is Radio Frequency Identification refers to a wireless system comprised of two components Tags and Readers, which use Radio wave to communicate their identity and other information to nearby readers can be passive or active.				
A. SCANNER /READER				
1.	Frequency	860 - 870 MHz	To be physically checked by the BOO and OEM certificate also submitted by firm in respect of same	
2.	Read & Write Range	1 to 5 Feet	To be physically checked by the BOO	
3.	Reading Rate	Software programmable (Max read 200 Tags)	To be physically checked by the BOO	
4.	R F Power output	0-30dBm (Adjustable)	OEM certificate be submitted by firm in respect of same.	
5.	Antenna	Built-in 2.5 dBm circular polarized antenna	OEM certificate be submitted by firm in respect of same.	
6.	Interface / Communication Port	USB/LAN	To be physically checked by the BOO	
7.	Power Supply	DC (Power Adapter) or Powered by USB	To be physically checked by the BOO	
8.	Working Mode	Read and Write Facility	To be physically checked by the BOO and OEM certificate also submitted by firm in respect of same	
9.	Operating System	Windows	To be physically checked by the BOO	
10.	Protocol	ISO 18000-6B, EPC Class I Gen2 (ISO 18000-6C)	OEM certificate submitted by firm in respect of same	

S.No	Parameter	Specification	Trial Directives	Complied not / not complied
11.	Software Support	Host Application/SDK Provided	To be physically checked by the BOO	
12.	Operating Mode	Manual and Automatic Both	To be physically checked by the BOO	
13.	Reading Clue/Indicators	LED/Buzzer	To be physically checked by the BOO	
14.	Temperature	-25°C to +55°C (Operating) -25°C to +60°C (Storage)	Firm has to submit NABL accredited/ILAC certificate/any Indian Govt Lab certificate in respect of the same.	
15.	Humidity	5 - 95% RH non condensing	Firm has to submit NABL accredited/ILAC certificate/any Indian Govt Lab certificate in respect of the same.	
16.	Protection Class	IP 54 OR Better	Firm has to submit NABL accredited/ILAC certificate/any Indian Govt Lab certificate in respect of the same.	
B. RFID TAG/LABEL				
1.	Types	Passive, Programmable	To be physically checked by the BOO or OEM certificate also submitted by firm in respect of same	
2.	Frequency Range (MHz)	860-870 MHz	To be physically checked by the BOO and OEM certificate also submitted by firm in respect of same	
3.	Read Range	1 to 5 Feet	To be physically checked by the BOO	
4.	Working Mode	Read & Write	To be physically checked by the BOO	
5.	RFID Label	Should be Tamper proof	To be physically checked by the BOO	

S.No	Parameter	Specification	Trial Directives	Complied not / not complied
6.	Protocol	EPC Class 1 Gen2Vs	OEM certificate submitted by firm in respect of same	
7.	Chip Type	Alien H3/H4 Or Monza, Impinj, NXP	OEM certificate submitted by firm in respect of same	
8.	Operating Temperature	-20°C to +55°C	Firm has to submit NABL accredited/ILAC certificate/any Indian Govt Lab certificate in respect of the same	
9.	Material	Ceramic/PCB/PVC (As per user requirement)	To be physically checked by the BOO or OEM certificate also submitted by firm in respect of same	
10.	Compatibility	Metal/Wooden	To be physically checked by the BOO or OEM certificate also submitted by firm in respect of same	
11.	Finish	Painted black/White	To be physically checked by the BOO	
12.	IP Rating	IP68	Firm has to submit NABL accredited/ILAC certificate/any Indian Govt Lab certificate in respect of the same	
13.	Shock & Vibration T	MIL-STD-810 G	Firm has to submit NABL accredited/ILAC certificate/any Indian Govt Lab certificate in respect of the same	
C. INVENTORY SOFTWARE				
1.	Maintain TAG Registration		To be physically checked by the BOO	
2.	Real time reading for each item during IN & OUT with time stamp		To be physically checked by the BOO	
3.	User Authentication	Biometric (Finger/Thumb)	To be physically checked by the BOO	
4.	Issuer Authentication	Biometric (Finger/Thumb)	To be physically checked by the BOO	
5.	Type of issue	Less than 24 Hrs/More than 24 Hrs	To be physically checked by the BOO	

S.No	Parameter	Specification	Trial Directives	Complied not / not complied
6.	Report Generation	Daily, Weekly, Monthly & Yearly summery	To be physically checked by the BOO	
7.	OS Supported	Windows	To be physically checked by the BOO	
8.	Any additional change required should be incorporated at no extra cost		Firm under taking certificate in respect of same	
D. Miscellaneous				
1.	Warranty	02 years or more	OEM certificate submitted by firm in respect of same	
2.	User Manual & Developing/Programming User Guide		To be physically checked by the BOO	
3.	Operation Manual/technical Manual - Detailed operators instructions, Technical literature, Maintenance manual, inspection standards be provided with the equipment		To be physically checked by the BOO	
4.	Training :- a) Base Workshop level training to minimum 10 technicians at OEM premises on full-fledged running testing, diagnostic and calibration set up. b) Operator level training should be imparted to 02 persons @ each system		An under taking should be given by 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 वेबसाईट 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 टिप्पणीयाँ।

(दिगेन्द्र सिंह पँवार)
उप कमांडेण्ट (आधुनिकीकरण)