संख्या. पी-63013/187/01/2022/मोड– I/सीसुबल 2579-89

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 09 अगस्त 2023

सेवा में,

महानिदेशकः– आसाम राईफलस (through LOAR), केन्द्रीय ओद्यौगिक सुरक्षा बल, केन्द्रीय रिजर्व पुलिस बल, भारतीय तिब्बत बोर्डर पुलिस, सशस्त्र सीमा बल, राष्ट्रीय सुरक्षा गार्ड एवं पुलिस अनुसन्धान एवं विकास ब्योरो

विषयः **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) RFID Scanner/Reader

(ii) RFID Tag

संल्गन : उपरोक्तनुसार

ई.दे.सिंह

(इन्द्र देव सिंह)

उप महानिरीक्षक (रसद)

प्रतिलिपि :-

1. 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 MHA website (Division of MHA+ -Police Modernization Division- Qualitative Requirements- Qualitative Requirements of Machinery & Eqpt Items with Surveillance item) पर अपलोड करने का श्रम करें।

2. SO (IT), North Block, MHA

   (Through E-mail)

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

   : कृपया उपरोक्तानुसार कार्यवाही करने का श्रम करें।

3. तकनीकी विंग, सीमा सुरक्षा बल

   : कृपया उक्त उपकरण के गुणात्मक आवश्यकता/परीक्षण निर्देशों को सीमा सुरक्षा बल की वैबसाईट पर अपलोड करने का श्रम करें।

5. ICT निदेशालय, संचार उपकरण, सीमा सुरक्षा बल

   : आपके यूओ संख्या–463 दिनांक 13 जनवरी 2023 के सन्दर्भ में अनुमोदित RFID Scanner/Reader & RFID Tag के गुणात्मक आवश्यकता / परीक्षण निर्देशों को आपके सूचनार्थ एवं अग्रिम कार्यवाही हेतु प्रेषित जाता है।

6. फाईल

QRs & Trial Directives of RFID Scanner /Reader

S.No	Parameter	Specification	Trial Directives	Result expected /desired
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.				Must be as per specification
A. SCANNER /READER				
1.	Frequency	Between(865 – 867 MHz)	To be physically checked by the BOO and OEM certificate also submitted by firm in respect of same	Must be as per specification
2.	Read & Write Range	0 to 25 Feet (As per user Requirement)	To be physically checked by the BOO	Must be as per specification
3.	Reading Rate	Software programmable (Max read 200 Tags/Second)	To be physically checked by the BOO	Must be as per specification
4.	R F Power output	0-30dBm (Adjustable)	OEM certificate be submitted by firm in respect of same.	Must be as per specification
5.	Interface / Communication Port	USB/LAN/Serial	To be physically checked by the BOO	Must be as per specification
6.	Power Supply	DC (Power Adapter) or Powered by USB	To be physically checked by the BOO	Must be as per specification
7.	Working Mode	Read and Write Facility	To be physically checked by the BOO and OEM certificate also submitted by firm in respect of same	Must be as per specification
8.	Supporting Operating System	Windows 10 & above	To be physically checked by the BOO	Must be as per specification
9.	Protocol	ISO 18000-6B, EPC Class I Gen2 (ISO 18000-6C) or better	OEM certificate submitted by firm in respect of same	Must be as per specification
10.	Software Support	Host Application & SDK Provided	To be physically checked by the BOO	Must be as per specification
11.	Operating Mode	Manual and Automatic Both	To be physically checked by the BOO	Must be as per specification
12.	Reading Clue/Indicators	LED & Buzzer	To be physically checked by the BOO	Must be as per specification
13.	Temperature (Operating &	-10°C to +60°C	Firm has to submit NABL accredited/ILAC certificate/any Indian Govt Lab certificate in	Must be as per specification
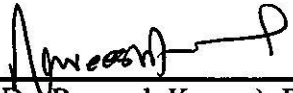
S.No	Parameter	Specification	Trial Directives	Result expected /desired
	Storage)		respect of the same.	
14.	Humidity	5 – 95% RH non condensing	Firm has to submit NABL accredited/ILAC certificate/any Indian Govt Lab certificate in respect of the same.	Must be as per specification
15.	Protection Class	IP 65 OR Better	Firm has to submit NABL accredited/ILAC certificate/any Indian Govt Lab certificate in respect of the same.	Must be as per specification
B. INVENTORY SOFTWARE				
1.	Maintain TAG Registration		To be physically checked by the BOO	Must be as per specification
2.	Real time reading for each item during IN & OUT with time stamp		To be physically checked by the BOO	Must be as per specification
3.	User Authentication	Biometric (Finger/Thumb)	To be physically checked by the BOO (The Compatible Bio metric Machine to be supplied by Firm)	Must be as per specification
4.	Issuer Authentication	Biometric (Finger/Thumb)	To be physically checked by the BOO (The Compatible Bio metric Machine to be supplied by Firm)	Must be as per specification
5.	Type of issue	Less than 24 Hrs/More than 24 Hrs	To be physically checked by the BOO	Must be as per specification
6.	Report Generation	Daily, Weekly, Monthly & Yearly summery	To be physically checked by the BOO	Must be as per specification
7.	OS Supported	Windows	To be physically checked by the BOO	Must be as per specification
C. MISCELLANEOUS				
1.	Warranty	02 years or more	OEM certificate submitted by firm in respect of same	Must be as per specification
2.	User Manual & Developing/Programming User Guide		To be physically checked by the BOO	Must be as per specification
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	Must be as per specification

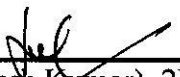| S.No	Parameter	Specification	Trial Directives	Result expected /desired
4.	Training :- a) Base Workshop level training to minimum 10 technicians at OEM premises on full-fledged running testing, diagnostic and calibration set up. b) Operator level training should be imparted to 02 persons @ each system		An under taking should be given by the firm	Must be as per specification

(B K Mehta), ADG (Log), BSF

(Umed Singh), DIG(C-Eqpt), BSF   26-7-23
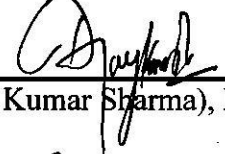
(Ajeet Kumar), Comdt. (SIW), BSF

(Dr. Raveesh Kumar), PSO(W), BPR&D

(K Elamurugan), Asstt. Director, DCPW

(Mukesh Kumar), 2IC (SIW), BSF

(Sudhanshu Kumar), DC (C-Eqpt), BSF

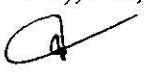(Ajay Kumar Sharma), DC (Comn), SSB

(Gaurav Drall), AC, SIW, BSF

(Sehdev Yadav), AC, BSF

(Manpal Singh), AC-IT, CRPF

(Sub Rajendra Kumar), NSG

(Inspr/RM Manish Raj), SIW, BSF

(Inspr Ramgopal Meena), ITBP

(SI M K Raiger), CISF

(SI D P Mishra), Assam Rifle

Approved/ Not approved

Director General
Boarder Security Force