

संख्या. पी-63013/188/01/2023/मोड-1/सीसुबल

2563-74

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

ब्लाक संख्या . 10,
सीजीओ काम्पलेक्स,
लोधी रोड, नई दिल्ली-03
दिनांक 13 मई 2024

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 "DDC Diagnostic Station" के गुणात्मक आवश्यकता/परीक्षण निर्देशों को आपकी अग्रिम कार्यवाही हेतु प्रेषित किया जाता है।

संलग्न : उपरोक्तनुसार

इन्द्र देव 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)
2. SO (IT), North Block, MHA
(Through E-mail)
(E-mail address: soit@nic.in)
3. तकनीकी विंग, सीमा सुरक्षा बल
4. Sh. Anoop Dhanvijay, Director- Buyer
Management (CPSEs & Central
Ministries), GOI. Ministry of
Commerce & Industry, Government
e-Marketplace. Jeevan Tara
Building,5-Parliament Street. New
Delhi-110001
E-mail:- anoop.dhanvijay@gem.gov.in
5. SIW, BSF
6. फाईल।
- : आपसे अनुरोध है कि उक्त उपकरण के सूत्रीकरण किये गये गुणात्मक आवश्यकता /परीक्षण निर्देशों को गृह मंत्रालय की वैबसाईट (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।
- : कृपया उपरोक्तानुसार कार्यवाही करने का श्रम करें।
- : कृपया उक्त उपकरण के गुणात्मक आवश्यकता/परीक्षण निर्देशों को सीमा सुरक्षा बल की वैबसाईट पर अपलोड करने का श्रम करें।
- For info with request to upload the approved QRs & TDs of "DDC Diagnostic Station" on GeM Portal. Copy of QRs & TDs is attached with this letter.
- : वास्ते सूचनार्थ आपके पत्र संख्या-217/SIW/BSF/QC/MOD/QRs/2022/1800-20 दिनांक 26 मार्च 2024 के संदर्भ में।

QRs & TDs of DDC Diagnostic Station

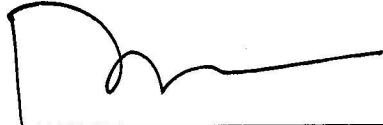
S No	QR/Specifications	Trial directives	Result expected / Desired
	INTRODUCTION: DDC diagnostic test station is used to check the various component parameter of Detector Dewar Cooler. The detector is the main element of thermal imaging system and the quality of the image produced by DDC depends upon its performance. DDC diagnostic station test equipment is a system which facilitates testing and measurement of various performance parameters of the detector under different operating conditions.		-
1	The DDC Diagnostic Station consists of the following modules a. Cooler / Getter Power Supply. b. Industrial Personal Computer. c. Control Switching Unit.	Physically checked by the BOO.	Must be as per QRs/specifications
2.	SPECIFICATION OF COOLER POWER SUPPLY/ GETTER POWER SUPPLY: DC Power Supply with 0-15V, 7A or 0-30V, 4A.	Physically checked by the BOO by connecting the power supply through adaptor on AC mains 230 V. Observe the DC power supply display / readings for respective voltages and current.	The power supply readings must be achieved as per the specifications mentioned in the QRs Para 2.
3.	a. Cooler Supply Voltage: 12 V.	Physically checked by the BOO by connecting the power supply through adaptor on AC mains 230 V. Observe the Cooler Supply Voltage: 12 V display.	Must be as per QRs/specifications
	b. Number of Getters : 4.	Physically checked by the BOO.	Must be as per QRs/specifications
	c. Current Change rate: 2 A/Min.	Physically checked by the BOO by connecting the power supply through adaptor on AC mains 230 V. Observe the Cooler Current reading on current display.	Must be as per QRs/specifications
	d. Maximum Current: 5.5A.	Physically checked by the BOO by connecting the power supply through adaptor on AC mains 230 V. Observe the Cooler Current reading on current display.	Must be as per QRs/specifications
	e. Max. Current Remain Time : Min	7 Physically checked by the BOO by connecting the power supply through adaptor on AC mains 230 V. Observe the Cooler Current reading on current display with stop watch.	Must be as per QRs/specifications


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4.	SPECIFICATION OF INDUSTRIAL PERSONAL COMPUTER :	Physically checked by the BOO. Also Check the OEM certificate/data sheet in respect of Windows.	Must be as per QRs/specifications
	a. Windows-10(64 bit) or better.	Physically checked by the BOO. Also Check the OEM certificate/data sheet in respect of Processor.	Must be as per QRs/specifications
	b. Processor: Intel i7 or better.	Physically checked by the BOO. Also Check the OEM certificate/data sheet in respect of RAM.	Must be as per QRs/specifications
	c. RAM : 4 GB or better.	Physically checked by the BOO. Also Check the OEM certificate/data sheet in respect of RAM.	Must be as per QRs/specifications
	d. Hard.Disk: 512 GB or better	Physically checked by the BOO. Also Check the OEM certificate/data sheet in respect of RAM.	Must be as per QRs/specifications
	e. Min Resolution : 800x600.	Physically checked by the BOO. Also Check the OEM certificate/data sheet in respect of Screen Resolution.	Must be as per QRs/specifications
	f. File System: NTFS.	Physically checked by the BOO. Also Check the OEM certificate/data sheet in respect of File System.	Must be as per QRs/specifications
5	SPECIFICATION OF CONTROL SWITCHING UNIT (CSU) :	Physically checked by the BOO, by connecting the DUT (Detector Under Test) and observe the diode voltage when cooling starts.	Ensure Proper functioning of Diode voltage and corresponding voltage ranges as per the specifications mentioned in the QRs Para 5 (a),(b),(c) & (d).
	a. Diode Voltage at 23°C at 0.1mA (within voltage ranges 620-650 mV)	Physically checked by the BOO, by connecting the DUT (Detector Under Test) and observe the diode voltage after cooling.	
	b. Diode Voltage at 23°C at 0.5mA (within voltage ranges 655-715 mV).	Physically checked by the BOO, by connecting the DUT (Detector Under Test) and observe the diode voltage when cooling starts..	
	c. Voltage to temperature at 0.1mA.	Physically checked by the BOO, by connecting the DUT (Detector Under Test) and observe the diode voltage after cooling.	
	d. Voltage to temperature at 0.5mA		
6	Weight of the system not more than 150 kg.	OEM/CoC certificate should be submitted by the firm.	Must be as per QRs/specifications


[Handwritten signatures and initials including names like 'Ramesh', 'Suresh', 'Arsh', 'Raj', 'M.R. Jayas', and 'N']

S No	QR/Specifications	Trial directives	Result expected / Desired
7	Rack mounted test station with 4 castor wheels and of which 2 are preferably fitted with brakes on castor wheel.	Physically checked by the BOO.	Must be as per QRs/specifications
8	POWER SOURCE: It should Function on 230 volt \pm 10 V 50 Hz AC mains through and with UPS. Battery backup of UPS minimum 30 Minutes.	Physically checked by the BOO by Connecting the variable AC mains supply and also check the, Battery backup of UPS for 30 Minutes	Must be as per QRs/specifications
9	OPERATIONAL REQUIREMENT OF TEMPERATURE 23°C \pm 5°	Physically checked by the BOO (During installation of test equipment).	Must be as per QRs/specifications
10	SAFETY AND PROTECTION Over voltage, current and short circuit protection circuit breaker and thumb press emergency switch should be provided by the firm.	Physically checked by the BOO.	Must be as per QRs/specifications
11	MISCELLANEOUS 1. Operator level training for 04 working days for 10 technicians should be imparted by the firm.	1. Under taking in this regard must be obtained from firm.	Must be as per QRs/specifications
	2. The warranty period should be at least one years after commissioning and repair and maintenance support for at least 10 years after completion of warranty period.	2. Under taking in this regard must be obtained from firm.	Must be as per QRs/specifications
	3. User Manual (Hard and Soft copy)	Physically checked by the BOO.	Must be as per QRs/specifications
	4. Operation Manual/technical Manual (Hard and Soft copy) - Detailed operators instructions, Technical literature, Maintenance manual, inspection standards be provided with the equipment.	Physically checked by the BOO.	Must be as per QRs/specifications
	5. Windows operating system CD/DVD (original) and application software CD/DVD along with test equipment.	Physically checked by the BOO.	Must be as per QRs/specifications

S No	QR Specifications	Trial directives	Result expected / Desired
6.	All test zigs and fixtures provide along with the st equipment.	Physically checked by the BOO.	Must be as per QRs/specifications

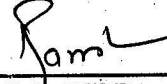

 (Puneet Rastogi), IPS, ADG (Log), BSF

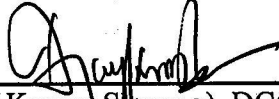

 (K M Prasad), DIG (SIW), BSF


 (Ajeet Kumar), Comdt(SIW), BSF

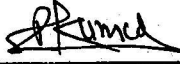

 (S.N Choudhary), DC, CISF



 (Anil Rajput), DC, MIE Cell



 (Ram Pal), DC, ITBP


 (Dr. Ajay Kumar Sharma), DC(Comm), SSB



 (Rajeev Bhatt), SSO, BPR&D



 (Pradeep Kumar), JAD, DCPW


 (Man Mohan Sharma), Team Cdr, NSG


 (Inspr/RM Manish Raj), SIW, BSF


 (Inspr/GD Naveen Jangid), CRPF


 (Inspr/Comm Ashok Kumar Dixit), ITBP


 (Sub/GD D P Mishra), Assam Rifles

Approved / not approved


 Director General
 Border Security Force