

संख्या. पी-63013/53/12/2021/मोड-1/सीसुबल 12255-58

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

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ब्लाक संख्या . 10,
सीजीओ काम्पलैक्स,
लोधी रोड, नई दिल्ली-03
दिनांक 18 जुलाई 2023

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 Cartridge Disfiguring Machine उपकरण के गुणात्मक आवश्यकता/परीक्षण निर्देशों को आपकी अग्रिम कार्यवाही हेतु प्रेषित किया जाता है।

संलग्न : उपरोक्तनुसार

इ. दे. सिंह

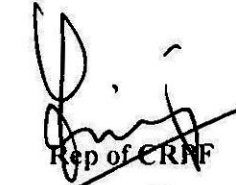
(इन्द्र देव सिंह)
उप महानिरीक्षक (रसद)


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 गृह मंत्रालय की वैबसाईट (MHA - Division of MHA+ - Police Modernisation 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) : आपसे अनुरोध है कि उक्त उपकरण के गुणात्मक आवश्यकता /परीक्षण निर्देशों को गृह मंत्रालय की वैबसाईट (MHA - Division of MHA+ - Police Modernisation Division- Qualitative Requirements- Qualitative Requirements of Machinery & Eqpt items with Surveillance item) पर अपलोड करने का श्रम करें।
3. तकनीकी विंग, सीमा सुरक्षा बल : आपसे अनुरोध है कि उक्त उपकरण के गुणात्मक आवश्यकता /परीक्षण निर्देशों को सीमा सुरक्षा बल की वैबसाईट पर अपलोड करने का श्रम करें।
4. फाईल।

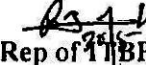
QRS/TDS (SPECIFICATIONS) OF CARTRIDGE DISFIGURING MACHINE

S/N	Parameters	Quality Requirements	Trial Directive
1.	General	Cartridge Disfiguring Machine is required to crush/disfigure/mutilate of small arms (SA) ammunition from 5.56 MM to 12.7 mm calibre. It provides fast and efficient crushing/ disfiguring of EFC and should be built on a heavy duty structure frame to ensure a long life without maintenance or damage.	---
2.	Type	Ground mounted with PLC control machine	Firm to submit compliance certificate in this regard and to be physically checked by BOOs during PDI/JRI stage.
3.	Capacity	1,50,000 EFC per day	Firm to submit a compliance certificate in this regard and to be physically checked by BOOs during PDI/JRI stage.
4.	Material of construction of the platform.	Mild Steel	Firm to submit a compliance certificate in this regard and to be physically checked by BOOs during PDI/JRI stage.
5.	Disfiguring accuracy of system.	100%	Firm to submit a compliance certificate in this regard and to be physically checked by BOOs during PDI/JRI stage.
6.	Size of Inlet hopper	Suitable for 15,000 EFC per hour. It should have a thickness of 5mm.	Firm to submit a compliance certificate in this regard and to be physically checked by BOOs during PDI/JRI stage..
7.	Collection hopper	2 nos. Hopper (1 Inlet and 1 outlet)	Firm to submit a compliance certificate in this regard and to be physically checked by BOOs during PDI/JRI stage.


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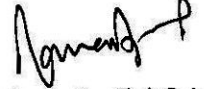

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 Rep of BPR&D

8.	Motor Capacity	Power-7.5 KW Minimum Power Supply-400/440 3Phase, 50 Hzs Speed-960 rpm Amperage-15.6 Amp.	Firm to submit a compliance certificate in this regard and to be physically checked by BOOs during PDI/JRI stage.
9.	Dimension	Overall length-2000 mm (Max) Overall width-1300 mm (Max) Overall Height-1700 mm (Max)	Firm to submit a compliance certificate in this regard and to be physically checked by BOOs during PDI/JRI stage
10.	Crusher Drum Adjuster	Suitable design heavy duty crusher drum adjuster should be provided for perfect adjustment of crushing of different calibre ammunition.	Firm to submit a compliance certificate in this regard and to be physically checked by BOOs during PDI/JRI stage.
11.	Inlet conveyor System	A heavy duty variables speed inlet conveyor system will be provided at the bottom of inlet hopper for smooth transfer of EFC into crushing drum.	Firm to submit a compliance certificate in this regard and to be physically checked by BOOs during PDI/JRI stage.
12.	Cover for Crusher	Suitable design, detachable type crusher cover will be provided for safety and easy access at crusher drum with thickness of minimum 5 mm.	Firm to submit a compliance certificate in this regard and to be physically checked by BOOs during PDI/JRI stage.
13.	Alarm	A Suitable gate opening and system control alarm will be provided.	Firm to submit a compliance certificate in this regard and to be physically checked by BOOs during PDI/JRI stage.
14.	Vibration isolator pad	Vibration isolator pad will be provided for minimizing the machine vibration at all mounting place and desired place both.	Firm to submit a compliance certificate in this regard and to be physically checked by BOOs during PDI/JRI stage.

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15.	Display board	Minimum 10 inch display with live operation details for each hopper to be provided.	Firm to submit a compliance certificate in this regard and to be physically checked by BOOs during PDI/JRI stage.
16.	Electrical Control Panel and Control Desk.	(i) All switch-gear and cable will be of heavy load rating type. (Rating of main contractor will be of double from full load current of motor.) Make of switchgear-L&T, Siemens, Schneider BCH or similar reputed company only. Control desk with start, stop, feed rate adjuster and emergency stop will be provided at control desk at operator's friendly location for smooth conducting of process. (ii) In-built UPS system to be provided to give a power backup Minimum 20 minutes.	Firm to submit a compliance certificate in this regard and to be physically checked by BOOs during PDI/JRI stage.
17.	In - built data recorder and storage facility.	A heavy duty in-built data recorder and storage facility will be provided.	Firm to submit a compliance certificate in this regard and to be physically checked by BOOs during PDI/JRI stage.
18.	Erection, testing and commissioning including all required civil work.	Erection, testing and commissioning of machine including all required civil and minor structural work will be done by the firm.	Firm to submit an undertaking certificate in this regard.
19.	Trail Run	05 day trial run will be started immediately after successful commissioning of machine in single shift bases for correct setting of machine performance	Firm to submit an undertaking certificate in this regard.

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20.	Training of Operator	05 days free training program will be conducted by the firm under which they will give detail training in machine operation, safety features and problem solving to the operators.	Firm to submit an undertaking certificate in this regard.
21.	Tool and Tackle	1 Set of all type of tool and tackle, which are required for maintenance of machine, will be provided by the firm at the time of delivery.	Firm to submit an undertaking certificate in this regard.
22.	Warranty	2 year from the date of commissioning of the machine at user location.	Firm to submit an undertaking certificate in this regard.
23.	Compatibility	Must be compatible with FCC (Fired case counting) Machine	Firm to submit an undertaking certificate in this regard.
24.	Service life	Minimum 10 Years	Firm to submit an undertaking certificate in this regard.
25.	In-built receipt printer with customized print format	To be provided. User to provide a print format and type of caliber, name of unit and name of operator should be editable. User may specify other details too as per their requirement. The details of format is as under :- Disfiguring Centre- Unit name - Voucher No- Operator Name - Job Serial No. - Type of Ammunition -- Lot no. of Ammn-	Firm to submit an undertaking certificate in this regard and to be physically checked by BOOs during PDI/JRI stage.

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Rep of BPR&D

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		Quantity in kg - Qty in nos. - Shift start time- Shift end time- Supervisor name-	
26.	Marking/ Labeling	Firm should install details of firm with address and contact numbers/Mail ID, manufacturing year and technical machine details on a steel plate.	Firm to submit an undertaking certificate in this regard.
27.	Other Requirements	User Manual with Do's and Don'ts; User Maintenance Manual to be provided by the firm	Firm to submit an undertaking certificate in this regard and to be physically checked by BOOs during PDI/JRI stage.

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(Shri Vinay Verma, DG (Ord), CRPF)

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(Shri Vijay Kumar, DC, CISF)

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(Shri Dharamraj Jainapure, AC, BSF)

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(Shri Rajender Singh, AC, TBP)

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30/5/23
(Shri Harish Kajla, TC, NSG)

[Signature]
(Shri D. P. Mishra, Subedar, AR)

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30/5/23
Shri Des Raj, DIG (Ord), CRPF

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30/5/23
Smt. Sonal V. Misra, IPS,
IG(Provisioning), CRPF Dte.
(Approved / Not Approved)

[Signature]
(Dr. Raveesh Kumar, PSO weapons)
BPR&D

निशिन अग्रवाल, भा.पु.से.
Nishin Agrawal, IPS
महानिदेशक, सीमा सुरक्षा बल
Director General, Border Security Force
गृह मंत्रालय / Ministry of Home Affairs
भारत सरकार / Government of India
नई दिल्ली-03 / New Delhi-03