

Directorate General, C.R.P.F

Block No.1. CGO Complex, Lodhi Road, New Delhi
(Ministry of Home Affairs/ Grih Mantralaya)
(Tele No.011-24369587/Fax No.011-24360155)

No. M.V-1/2023-24-Prov-Ord-V

Dated, the 9 May,2023.

To

The Technical Director, NIC
North Block, New Delhi
Email: mpsugandhi@nic.in

Subject: - Regarding publishing the draft QRs/TDs of “Cartridge Disfiguring Machine”.

CRPF is in process for procurement of Cartridge Disfiguring Machine but QRs/TDs of same is not yet framed .

2. CRPF intends to find out the eligible vendors and their comments on the draft QRs/TDs of Cartridge Disfiguring Machine.

3. Keeping in view of above, copy of draft QRs/TDs of Cartridge Disfiguring Machine are sent herewith with the request to upload same on MHA’s Website for a period of 15 days (From 10/05/2023 to 24/05/2023) for comments of eligible vendors & industry. The interested vendors/OEMs may sent their comments in the following address/route :-

Through Mail	dcordnance@crpf.gov.in
Through Fax	011-24360155
By Hand	Room No. 10, Ground Floor, Block No. 01, Directorate General, CRPF, Lodhi Road, New Delhi-03

4 An early action in this regard is highly appreciated.

Encl:- Draft QRs/TDs Of Cartridge Disfiguring Machine (02 Pages)


(Vinay Verma)
DC(Ordnance)

No. M.V-1/2023-24-Prov-Ord-V

Dated, the 9 May,2023.

Copy forwarded to:-

SO (IT), North Block for necessary action please. (soit@nic.in).


(Vinay Verma)
DC(Ordnance)

DRAFT QRS/TDS OF CARTRIDGE DISFIGURING MACHINE ~~UPLOADED PER~~

~~THIS IS A DRAFT DOCUMENT AND NOT FOR USE~~

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.
8	Motor Capacity	Power-7.5 KW Minimum Power Supply-400/440 3Phase, 50 hzs	Firm to submit a compliance certificate in this regard and to be physically checked by

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		Speed-960 rpm Amperage-15.6 Amp.	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.
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	Firm to submit a compliance certificate in this regard and to be physically checked by BOOs during PDI/JRI stage.

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		<p>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 automatic Stabilizer (Minimum 5 KVA) to be provided with system.</p>	
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	In-built batch data entry system.	It should be provided with machine for entry of data of each batch/lot.	Firm to submit a compliance certificate in this regard and to be physically checked by BOOs during PDI/JRI stage.
19.	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.
20	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.
21.	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.
22	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.


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23.	Warranty	2 year from the date of commissioning of the machine at user location..	Firm to submit an undertaking certificate in this regard.
24.	Compatibility	Must be compatible with FCC (Fired case counting) Machine	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.	Firm to submit an undertaking certificate in this regard and to be physically checked by BOOs during PDI/JRI stage.
26.	Marking/Labelling	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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