

No. TSU/IC-Tech/ME/SPE/QR/2018-19/Mod-I/BSF/ 232-34
Government of India
Ministry of Home Affairs
Directorate General Border Security Force
(Prov Dte: Mod Cell)
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Block No. 10, CGO Complex,
Lodhi Road, New Delhi - 03

Dated, the 5 Feb 2019

Technical Director
NIC, North Block, MHA
New Delhi
(Through E-mail)
E-mail address: mpsugandhi@nic.in)

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

Kindly refer to MHA letter No. IV-24011/12/2011-Prov-I (part) (CFN 3300890)-1710 dated 31st Aug 2015.

2. In this connection, it is to inform that draft QRs of "Digital Melt Flow Testing Equipment for Plastic" formulated by Sub-group of technical experts during the meeting held on 28th Jan 2019 at HQ DG BSF, is forwarded herewith with the request to upload the same on MHA website for 15 days please.

Encl :- As above

(Vikas Singh)
Deputy Commandant (Mod)

Copy to :-

1. SO (IT), North Block, MHA
(Through E-mail) (E-mail address : soit@nic.in)
2. IT Wing, FHQ BSF

For information and necessary action alongwith a copy of draft QR's of "Digital Melt Flow Testing Equipment for Plastic"

i) Alongwith a copy of draft QR's of "Digital Melt Flow Testing Equipment for Plastic" with the request to upload same on BSF website for 15 days i.e. upto 12th February 2019. The text may be removed on 13th February 2019.

ii) It is also requested to e-mail this letter alongwith draft QRs to following addressee :-

(a) Technical Director, NIC, North Block,
MHA
(E-mail : mpsugandhi@nic.in)

(b) SO (IT), North Block, MHA
(E-mail : soit@nic.in)

QRS OF DIGITAL MELT FLOW TESTING EQUIPMENT FOR PLASTIC

SPECIFICATIONS:-

1	Type of test	MFR, Single weight (and MV R with optional Encoder)
2	Encoder	Optional
3	Weight lifter	Optional (Standard Type)
4	Melt Cutting device	Optional, Manual or Motorized
5	Test Mass Selector	Manual Mass selector (Optional) Requires weight lifter)
6	Die Plugging Device	Optional, Manual (Basic type)
7	Integrated barrel cleaning device	Optional
8	Test temperature range	30° to 400°C 86° to 752°F
9	Temperature Accuracy and Stability	ISO 1133-2, ASTM D-1238
10.	Barrel Material	Nitrided steel with superior wear resistance

GENERAL REQUIREMENTS:-

1.	Single-weight tests compliant with the latest International Standards.
2.	Ergonomic and compact system designed for easy and safe testing and maintenance.
3.	High accuracy and stability of temperature according to ISO-1133-2.
4.	On-board interface for method setting and visualization of results.
5.	Standard tungsten carbide- die.
6.	Quick-release slide system for the die.
7.	Guided piston design for accurate positioning into the barrel.
8.	Integrated support for accessories and consumables.
9.	Manual Mass selector to avoid mass handling and configuration changes.
10.	High-Precision Encoder to measure MVR up to 40 data points acquisition for single test.
11	Corrosion-resistant barrel, pistons and dies for chemically-aggressive materials.
12.	Manual and Motorized Melt cutting device.
13.	Integrated device for barrel cleaning.
14.	Die plugging device to prevent material flowing during pre-heating.
15.	Wide range of test masses and dies for all materials and testing standards.
16.	Visual software for PC Control and advance data analysis.
17.	Compatible and portable computer system with system software and printer with accessories.
18.	The equipment should be subjected for calibration by accredited laboratory equipment certification authority and calibration certificate for the parameters specified for testing should be provided.

The Sub-group has decided to upload the QRS on MHA and BSF website for 15 days to invite the views/ comments/ suggestions of prospective bidders to make the QRS more broad based.

Note - All firms are requested to provide the following.

1. Original Brochure of product by OEM.
2. Detail literature about the product.
3. Comprehensive comments for incorporation in the specifications.


(Vikas Singh)

Dy. Commandant (Mod)