

## QRS OF DIGITAL MELT FLOW TESTING EQUIPMENT FOR PLASTIC

<b>SPECIFICATIONS:-</b>		
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
<b>GENERAL REQUIREMENTS:-</b>		
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)