

## केन्द्रीय मुहर विभाग - III

हमारा संदर्भ- केन्द्रीय मुहर विभाग-3/16: IS 9079

दिनांक :11 10 2018

**विषय: अनुपालन हेतु एस आई टी**

सभी शाखा कार्यालय से आग्रह है कि एस आई टी का अनुपालन तत्काल प्रभाव से सुनिश्चित करें।

(अमित कुमार)  
वैज्ञानिक 'सी' (सी एम डी-III)

**प्रमुख (सी एम डी-III)**

सभी क्षेत्रीय/शाखा कार्यालय  
आई टी एस विभाग – बीआईएस इंटरनेट पर अपलोड करने हेतू

### CENTRAL MARKS DEPARTMENT-III

Our Ref: CMD-3/16: IS 9079

Date: 11 10 2018

**Subject: SIT for IS 9079:2018 – Monoset Pumps for Clear, Cold Water for Agricultural and Water Supply Purposes.**

This has reference to the subject mentioned above.

BOs may kindly ensure implementation of the SIT with immediate effect.

Amit Kumar  
Sc. C (CMD III)

**Head (CMD - III)**

Circulated to: All ROs/BOs

Copy to: ITS for hosting on Intranet

**SCHEME OF INSPECTION AND TESTING FOR CERTIFICATION OF  
MONOSET PUMPS FOR CLEAR, COLD WATER FOR AGRICULTURAL AND  
WATER SUPPLY PURPOSES  
ACCORDING TO IS 9079 : 2018**

**1. LABORATORY** - A laboratory shall be maintained which shall be suitably equipped (as per the requirement given in column 2 of Table 1) and staffed, where different tests given in the specification shall be carried out in accordance with the methods given in the specification.

**1.1** The manufacturer shall prepare a calibration plan for the test equipment.

**2. TEST RECORDS** – The manufacturer shall maintain test records for the tests carried out to establish conformity.

**3. LABELLING AND MARKING** – As per the requirements of IS 9079 : 2018.

**4. LEVELS OF CONTROL** - The tests as indicated in column 1 of [Table 1](#) and the levels of control in column 3 of [Table 1](#), shall be carried out on the whole production of the factory which is covered by this plan and appropriate records maintained in accordance with paragraph 2 above.

**4.1** All the production which conforms to the Indian Standard and covered by the licence should be marked with Standard Mark.

**5. REJECTIONS** – Disposal of non-conforming product shall be done in such a way so as to ensure that there is no violation of provisions of BIS Act, 20016.

Table 1 .....

TABLE 1

(1)				(2)	(3)		
Test Details				Test equipment requirement	Levels of Control		
Cl.	Requirement	Test Methods		R: required (or) S: Sub-contracting permitted	No. of Sample	Frequency	Remarks
		Clause	Reference				
7	Material of Construction	7.1	IS 9079	S	One	Each consignment	No further testing is required, if accompanied with test certificate or ISI marked
	Gaskets,Seals and Packings	7.2	IS 9079				
10	<b>GENERAL REQUIREMENTS</b>						
10	General Requirements	17	IS 5120	R	Every Pumpset		
10.1	Casing	12.6	IS 9079	R	Every Pump Casing		
10.4	Balancing	10.4	IS 9079	R	Every impeller and rotor		
10.5	Provision for Earthing	10.5	IS 9079	R	Every motor		
10.6	Terminal Marking and Direction of Rotation	10.6	IS 9079	R	Every pumpset		

11	<b>TEST FOR ELECTRICAL PERFORMANCE ON MOTOR FOR MONOSET</b>					
11.7	<b>ROUTINE TEST</b>					
	High Voltage Test	11.3	IS 9079	R	Every Motor	No further testing is required, if motor is ISI marked.
	Insulation resistance Test	11.2	IS 9079			
	Test for no load current and power input at rated voltage and supply frequency	11.7 (c)	IS 9079			
	Locked rotor test for locked rotor current, power input at suitable voltage and supply frequency	11.5	IS 9079			
	Reduced voltage running up test	11.7(e)	IS 9079			

11.8	TYPE TEST					
	Measurement of stator winding resistance	11.8.1(a)	IS 9079	R	One sample of each identical type and design  (Out of every 100 pumpsets or every month whichever is earlier)	
	High Voltage Test	11.3	IS 9079	R		
	Insulation resistance Test	11.2	IS 9079	R		
	Breakaway (starting) torque	11.5	IS 9079	R		
	Temperature rise test at rated voltage	11.4.1.1	IS 9079	R		
	Temperature rise test at reduced voltage	11.4.1.2	IS 9079	R		
9	Design Features	9	IS 9079	R	One sample of each identical type and design	
12	Testing for Hydraulic Performance on Pump for Monoset	12.2 to 12.5	IS 9079	R	(Out of every 100 pumpsets or every month whichever is earlier)	

13	Guarantee and Tolerance on Pumpset Performance	13	IS 9079	R	One sample of each identical type and design  (Out of every 100 pumpsets or every month whichever is earlier)	
----	--	----	---------	---	---	--

**NOTE-1:** Sub-contracting is permitted to a laboratory recognized by the Bureau or Government laboratories empanelled by the Bureau.

**NOTE-2:** Levels of control given in column 3 are only recommendatory in nature. The manufacturer may define the control unit/batch/lot and submit his own levels of control in column 3 with proper justification for approval by BO Head.