

केन्द्रीय मुहर विभाग - III

हमारा संदर्भ- केन्द्रीय मुहर विभाग-3/16: IS 1610

दिनांक: 01 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 1610**

Date: 01 10 2018

Subject: SIT for IS 1610:2018 – Household Sewing Machines- General Requirements.

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)

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**SCHEME OF INSPECTION AND TESTING FOR CERTIFICATION OF
HOUSEHOLD SEWING MACHINE
ACCORDING TO
IS 1610 : 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 1610 : 2018.

4. CONTROL UNIT –All Sewing Machine of same model and design manufactured in a day, shall constitute a control unit.

5. 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.

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

6. 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				
3	Driving Arrangements	3	IS 1610	S	One	Each consignment	No further testing is required, if accompanied with test certificate or ISI marked
4.	Sewing Mechanism	4	IS 1610	R	Each Machine		
	Stich Regulator		IS 13872	–	Conformity to the relevant Indian Standard may be established.		
	Flywheel		IS 12798	–			
	Bobbin Winder		IS 13972	–			
5	Other Components	5	IS 1610	–	Conformity to the relevant Indian Standard may be established.		
6.	Lubrication	6	IS 1610	R	Each Machine		
7.2	Wooden Table/ Base		IS 12789	S	Two	Each Consignment	No further testing is required, if accompanied with test certificate or ISI marked

7.3	Table or base or cover (other materials)	As per agreement between purchaser and supplier		S	As per agreement between purchaser and supplier		
7.4	Stand	7.4	IS 1610	S	Two	Each Consignment	No further testing is required, if accompanied with test certificate or ISI marked
7.5	Stand (other materials)	As per agreement between purchaser and supplier		S	As per agreement between purchaser and supplier		
8.1 & 8.2	Workmanship and finish	8.1	IS 1610	R	Each machine		
		8.2	IS 1610	R	One Machine	Every 5 th Control Unit	In case of unsatisfactory results, corrective action shall be taken and sample from each control unit shall be checked. Original frequency may be restored in case the samples taken from these consecutive control units satisfy this requirement.
8.3	Plating	8.3	IS 1610	R	One Machine	Each batch of parts plated in single bath at a time	In case plated components are received from outside, five random samples per consignment shall be tested.

10.1	Accuracy Requirements	10.1	IS 1610	R	Two Machines	Each Control Unit	In case both the machines pass for all the requirements the control unit shall be considered as conforming to the requirement. But, if any of the machines fail in one or more requirement, then each machine of the control unit shall be checked for these characteristics in which failures have occurred and only those machines conforming to these characteristics shall be considered as acceptable. However corrective action shall be taken for subsequent production.
10.2	Sewing Requirements	10.2	IS 1610	R	Two Machines		
10.3	Durability Requirements	10.3	IS 1610	R	Two (Three, if the control unit consist of more than 100 machines)	Each Control Unit	In case any of the machines fails to meet the requirement of durability test, the failure shall be investigated and the corrective action shall be taken. The control unit shall be re-inspected for this test and double the number of machines shall be tested and shall be marked if none of the machines fails in any of the requirements.

11	Accessories in Service Box	11	IS 1610		Each Machine		
13.	Packing Requirements	13	IS 1610	R	Each Machine		

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.