

भारतीय मानक ब्यूरो
(केंद्रीय मुहर विभाग III)

हमारा संदर्भ : सी एम डी- III/16 : आई एस 1293

19 08 2019

विषय : आई एस 1293 के अनुपालन हेतु एस आई टी।

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

औरोस्मिता कबिराज
वैज्ञानिक सी (सी एम डी-III)

प्रमुख (सी एम डी-III)

सभी क्षेत्रीय/शाखा कार्यालय

आई टी एस विभाग – बीआईएस इंटरनेट पर डालने हेतु

BUREAU OF INDIAN STANDARDS
(Central Marks Department-III)

Our Ref: CMD-III/16 : IS 1293

19 08 2019

Subject: SIT for implementation of Revised IS 1293 : 2019, “Plugs and socket-outlets for household and similar purposes of rated voltage upto and including 250 V & rated current upto and including 16 A”.

This has reference to the subject mentioned above.

BOs may kindly ensure implementation of the SIT.

Aurosmita Kabiraj
Sc-C (CMD-III)

Head (CMD-III)

Circulated to: All ROs/BOs

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Scheme Of Inspection And Testing

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 1293:2019. In addition, each product or the packaging of the product shall carry the identification mark in code or otherwise for traceability.

4. CONTROL UNIT – Plugs and socket-outlets of same type and rating 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.

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, 2016.

TABLE 1

(1)				(2)	(3)	
Test Details				Test equipment requirement R: required (or) S: Sub - contracting permitted	Levels of Control	
Cl.	Requirement	Test Methods			No. of Sample	Frequency
		Clause	Ref			
8	Marking (except 8.8)	8	IS 1293	---	Each plug/ socket-outlet	
8.8	Marking	8.8		R	3	Each control unit
17.3	Electric Strength (Flash test)	17.3		R	Each plug/ socket-outlet	
9	Checking of dimensions	9		R	3	Each control unit
10	Protection against electric shock	10		R	3	Every week for each type and rating
11	Provision for earthing	11		S	3	Every 3 months for each type and rating
12	Terminals	12		S	3	Every 3 months for each type and rating
13	Constructional requirements of fixed socket outlets	13		S	3	Every month for each type and rating
14	Constructional requirements of plugs and portable socket outlets	14		S	3	Every month for each type and rating
15	Interlocked socket outlet	15		S	3	Every month for each type and rating
16	Resistance to ageing, harmful ingress of water, humidity	16		S	3	Every 3 months for each type and rating
17	Insulation resistance and electric strength	17		S	3	Every 3 months for each type and rating
18	Operation of earthing contacts	18		S	3	Every 3 months for each type and rating
19	Temperature rise	19		R	3	Every week for each type and rating
20	Making and breaking capacity	20		S	3	Once in a year for each type and rating

(1)				(2)	(3)	
Test Details				Test equipment requirement R: required (or) S: Sub - contracting permitted	Levels of Control	
Cl.	Requirement	Test Methods			No. of Sample	Frequency
		Clause	Ref			
21	Normal operation	21		S	3	Every 3 months for each type and rating
22	Force necessary to withdraw the plug	22		R	3	Every week for each type and rating
23	Flexible cables and their connection	23		S	3	Every month for each type and rating
24	Mechanical Strength	24		S	3	Each 3 months for each type and rating
25	Resistance to heat	25		S	3	Every month for each type and rating
26	Screws, current carrying parts and connections	26		S	3	Every month for each type and rating
27	Creepage distances, clearance and distances through sealing compound	27		S	3	Every month for each type and rating
28	Resistance of insulating material to abnormal heat, fire and tracking	28		S	3	Once in a year or whenever there is change in raw material
29	Resistance to rusting	29		S	3	Every 3 months for each type and rating
30	Additional tests on pins provided with insulating sleeves	30		S	3	Every 3 months for each type and rating

Note-1: The number of additional specimens for testing shall be selected as per clause 5 of IS 1293. In case of any failure, the provisions given in clause 5.5 of IS 1293 shall be followed.

Note-2: Sub-contracting is permitted to a laboratory recognized by the Bureau or Government laboratories empanelled by the Bureau.

Note-3: The control unit and levels of control as decided by the Bureau are obligatory, to which the licensee shall comply with.