



उत्पाद मैनुअल

आई एस 1293 : 2019 के अनुसार

घरेलु और ऐसे ही सामान्य प्रयोजनों के लिए 250 वोल्ट तक की रेटित वोल्टता वाले और 16 एम्पीयर तक की रेटित करंट वाले प्लग और सॉकेट- निकास (चौथा पुनरीक्षण) के लिए

दस्तावेज संख्या – पीएम/आईएस 1293/3/ मई 2024

विभिन्न उत्पादों के लिए भारतीय मानक ब्यूरो (अनुरूपता मूल्यांकन) विनियम, 2018 की योजना- I के तहत प्रमाणन के संचालन में एकरूपता और पारदर्शिता के लिए इस उत्पाद मैनुअल का उपयोग सभी क्षेत्रीय / शाखा कार्यालयों और लाइसेंसधारियों द्वारा संदर्भ सामग्री के रूप में किया जाएगा। दस्तावेज का उपयोग बीआईएस प्रमाणन प्राप्त करने के इच्छुक संभावित आवेदकों द्वारा भी किया जा सकता है।

PRODUCT MANUAL FOR

Plugs and Socket-Outlets for Household and Similar Purposes of Rated Voltage up to and Including 250 V and Rated Current up to and Including 16 A — Specification (Fourth Revision)

ACCORDING TO IS 1293 : 2019

Document No - PM/IS 1293/3/May 2024

This Product Manual shall be used as reference material by all Regional/Branch Offices & licensees to ensure uniformity of practice and transparency in operation of certification under Scheme-I of Bureau of Indian Standards (Conformity Assessment) Regulations, 2018 for various products. The document may also be used by prospective applicants desirous of obtaining BIS certification.

भारतीय मानक ब्यूरो

BUREAU OF INDIAN STANDARDS

मानक भवन, ९, बहादुर शाह ज़फ़र मार्ग

Manak Bhawan, 9, Bahadur Shah Zafar Marg

नई दिल्ली- ११०००२

New Delhi – 110002



उत्पाद मैनुअल

घरेलु और ऐसे ही सामान्य प्रयोजनों के लिए 250 वोल्ट तक की रेटित वोल्टता वाले और 16 एम्पीयर तक की रेटित करंट वाले प्लग और सॉकेट- निकास (चौथा पुनरीक्षण)

आई एस 1293 : 2019 के अनुसार

PRODUCT MANUAL

Plugs and Socket-Outlets for Household and Similar Purposes of Rated Voltage up to and Including 250 V and Rated Current up to and Including 16 A — Specification (Fourth Revision)
ACCORDING TO IS 1293 : 2019

विभिन्न उत्पादों के लिए भारतीय मानक ब्यूरो (अनुरूपता मूल्यांकन) विनियम, 2018 की योजना- I के तहत प्रमाणन के संचालन में एकरूपता और पारदर्शिता के लिए इस उत्पाद मैनुअल का उपयोग सभी क्षेत्रीय / शाखा कार्यालयों और लाइसेंसधारियों द्वारा संदर्भ सामग्री के रूप में किया जाएगा। दस्तावेज़ का उपयोग बीआईएस प्रमाणन प्राप्त करने के इच्छुक संभावित आवेदकों द्वारा भी किया जा सकता है।

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1.	मानक संख्या IS No.	:	IS 1293 : 2019
	शीर्षक Title	:	Plugs and Socket-Outlets for Household and Similar Purposes of Rated Voltage up to and Including 250 V and Rated Current up to and Including 16 A — Specification (Fourth Revision)
	संशोधनों की संख्या No. of amendments	:	2
2.	नमूना दिशानिर्देश Sampling Guidelines:		
a)	कच्चा माल Raw material	:	As per the requirements of relevant clauses, as applicable, in case the components are under mandatory certification, they shall bear

			BIS Standard Mark
b)	समूहीकरण दिशानिर्देश Grouping Guidelines	:	Please refer ANNEX – A
c)	नमूने का परिमाण Sample Quantity	:	10 numbers for Socket Outlets and 15 numbers for Plugs
3.	परीक्षण उपकरणों की सूची List of Test Equipment	:	Please refer ANNEX – B
4.	निरीक्षण और परीक्षण की स्कीम Scheme of Inspection and Testing	:	Please refer ANNEX – C
5.	एक दिन में संभावित परीक्षण Possible tests in a day:	:	Please refer ANNEX-D
6.	लाइसेंस का दायरा /Scope of the Licence	:	Please refer ANNEX-E
7.	अन्य दिशानिर्देश/ Any other guidelines	:	Please refer ANNEX-F for guidelines for outsourcing of moulded bodies

ANNEX – A

समूहीकरण दिशानिर्देश **Grouping Guidelines**

1. The following aspects of a Plug or Socket-Outlet shall be taken into consideration for grouping of different varieties for the purpose of GoL/ CSoL:
 - a. Current rating (as per Cl 6 of IS 1293);
 - b. Voltage rating (as per Cl 6 of IS 1293);
 - c. Degree of protection against access to hazardous parts and against harmful ingress of solid foreign objects (as per Cl 7.1.1 of IS 1293);
 - d. Degree of protection against harmful ingress of water (as per Cl 7.1.2 of IS 1293);
 - e. Provision for earthing (as per Cl 7.1.3 of IS 1293);
 - f. Method of connecting the cable (as per Cl 7.1.4 of IS 1293);
 - g. Type of terminals (as per Cl 7.1.5 of IS 1293);
 - h. Method of application/ mounting of the socket-outlet (as per Cl 7.2.2 of IS 1293);
 - i. Intended use, if any (as per Cl 7.2.4 of IS 1293);
 - j. Intended Class of appliance (as per Cl 7.3 of IS 1293);
 - k. Type of Socket-Outlet (Fixed/ Portable/Combined/ multiple portable socket-outlets for Appliances);
 - l. Degree of protection against electric shock (as per Cl 7.2.1 of IS 1293);
 - m. Existence of shutters (as per Cl 7.2.3 of IS 1293);
 - n. Plug pins with insulating sleeves
2. At least one plug and socket outlet of each current rating and combination thereof shall be tested to cover the entire range.
3. If a particular voltage rating is tested, lower ratings may be covered.
4. Additionally, the following relaxations may be permitted when a variety is tested for all the requirements:
 - a. If accessories with a particular IP is tested, lower IPs may also be covered.
 - b. For the parameters mentioned at 1.1(e) to 1.1(k) above, at least one plug or socket-outlet (as applicable) of each aspect shall be tested to cover the entire range. However, if accessories with screwless terminals for rigid and flexible conductors are tested, accessories with screwless terminals for rigid conductors shall also be covered.
 - c. If socket-outlets with increased protection are tested, socket-outlets with normal

protection are also covered.

- d. If socket-outlets with shutters are tested, socket-outlets without shutters are also covered.
 - e. If plugs having pins with insulating sleeves are tested, plugs having pins without insulating sleeves are also covered.
5. The Firm shall declare the varieties of Plugs or Socket-outlets intended to be covered in the Licence. The Scope of Licence may be restricted based on the manufacturing and testing capabilities of the manufacturer.
 6. During the operation of the Licence, BO shall ensure that all the varieties covered in the Licence are tested in rotation to the extent possible.

ANNEX – B

परीक्षण उपकरणों की सूची

List Of Test Equipment

(INDICATIVE LIST, FOR GUIDANCE ONLY)

Major test equipment required to test as per the Indian Standard

Sl. No.	Tests Used In With Clause Reference	Test Equipment/Chemical
1.	Marking - 8.8	Petroleum spirit, water
2.	Dimensions – 9, General	Vernier caliper, micrometer, gauges
3.	Protection against electric shock - 10	Jointed test finger (test probe B of IS 1401), unjointed test finger (test probe 11 of IS 1401), electrical indicator, push-pull force applicator, arrangement for compression test (Figure 8), Figures 9 and 10: Gauges for checking non-accessibility of live parts, through shutters, and of live parts of socket-outlets with increased protection, Test plug
4.	Earthing Resistance - 11.5	Low voltage AC source with Voltmeter and ammeter
5.	Tests on screw terminals-12.2	Screw driver and spanner with torque meter, weights, Figure 11: Arrangement for checking damage to conductors
6.	Tests on screwless terminals Weights-12.3	Figure 11: Arrangement for checking damage to conductors, AC source, measuring instruments Figure 12: Deflection test apparatus
7.	Construction of fixed socket-outlets-13.4	Test probe 1 of IS 1401, push-pull force applicator Figure 13: Test setup
8.	Lateral strain of socket-outlets-13.14	Figure 14: Device for checking the resistance to lateral strain
9.	Test on membranes- 13.22, 13.23	Heating cabinet, Test probe 11 of IS 1401, Freezer
10.	Test of non-solid pins- 14.2	Figure 15: Device for testing of non-solid pins, Push-pull force applicator, micrometer
11.	Temperature rise test on plugs of plug-in equipment- 14.23.1	AC source, measuring instruments, temperature measuring device
12.	Torque test on plugs of plug-in-equipment- 14.23.2	Apparatus for the torque test
13.	Ageing test- 16.1	Heating cabinet, humidity chamber

14.	Protection provided by enclosures- 16.2,	Figure 16: Test wall in accordance with the requirements of 16.2.1, Test apparatus acc. IS/IEC 60529
15.	Humidity treatment- 16.3	Humidity chamber
16.	Insulation resistance- 17.1	Insulation test equipment (Megger)
17.	Electric strength - 17.2	High voltage test equipment
18.	Temperature rise- 19	AC source, measuring instruments, temperature measuring device (thermocouples), test block for flush- mounted accessories, wooden block for surface-type socket-outlets, test plug, Clamping unit for the temperature rise test (Figure 18)
19.	Breaking capacity - 20 Normal operation- 21	Figure 19: Apparatus for breaking capacity and normal operation, test plug, fixed socket-outlet, AC source, adjustable load (resistors and inductors), measuring instruments, Figure 9: Gauge for checking non-accessibility of live parts, through shutters, after normal operation test Figure 10: Gauge for checking non-accessibility of live parts, through shutters, and of live parts of socket- outlets with increased protection
20.	Verification of the maximum withdrawal force- 22.1	Figure 21: Apparatus for checking the withdrawal force, test-plug, chemical degreaser, Test pin gauge as per Figure 22
21.	Verification of the minimum withdrawal force- 22.2	Figure 22: Gauge for the verification of the minimum withdrawal force,
22.	Test of the cord retention- 23.2	Figure 23: Apparatus for testing the cord retention, Apparatus for the torque test
23.	Flexing test- 23.4	Figure 24: Apparatus for flexing test, measuring instruments
24.	Mechanical Strength- 24.1	Pendulum hammer test apparatus, mounting arrangement, Figures 25: Mechanical strength test apparatus, Test probe B of IS 141, Steel wire of Figure 10,
25.	Tumbling barrel test- 24.2	Tumbling barrel as per Figure 26
26.	Test on ordinary surface-type socket-outlets- 24.3	Cylinder of rigid steel sheet, Flat steel sheet
27.	Impact test at low temperature- 24.4	Figure 27: Apparatus for impact test at low temperature, sponge rubber, freezer
28.	Impact test at low temperature- 10.1, 24.5	Figure 8: Arrangement for compression test
29.	Test on screwed glands-24.6	Cylindrical metal rods, Test-spanner with torque meter
30.	Abrasion test – 24.7	Figure 28: Apparatus for abrasion test on insulating sleeves of plug pins
31.	Test on shutters- 24.8	Test-pin, electrical indicator
32.	Test on multiple portable socket-outlets- 24.9	Figure 29: Arrangement for mechanical strength test on multiple portable socket-outlets

33.	Test of the fixing of the pins- 24.10	Figure 30: Arrangement to verify the fixation of pins in the body of the plug, heating cabinet
34.	Test on portable socket-outlets with suspension means- 24.11- 24.12	Cylindrical steel rod
35.	Test on portable socket-outlets with suspension means- 24.13	Round head screw
36.	Removal of covers or cover-plates Weights- 24.14-24.19	Figure 31: Arrangement for test on covers or cover- plates, Figure 32: Gauge for the verification of the outline of covers or cover plates, Figure 35: Gauge for verification of grooves, holes and reverse tapers, Figure 37: Apparatus for compression test for the verification of resistance to heat
37.	Resistance to heat – 25	Heating cabinet, Test probe B of IS 1401, Figure 38: Ball pressure test apparatus, Figure 37: Apparatus for compression test for the verification of resistance to heat
38.	Screws, current carrying parts and connections- 26	Screw-driver and spanner with torque meter
39.	Creepage distances, clearances-27	Calipers. Tolerances gauges
40.	Glow-wire test- 28.1.1	Glow wire test apparatus according to IS 11000 (Part 2/ Sec 1)
41.	Test of the resistance to heat of pins with insulating sleeves- 28.1.2	Figure 39: Apparatus for testing resistance to abnormal heat of insulating sleeves of plug pins
42.	Resistance to tracking- 28.2	Test apparatus according to IS 2824
43.	Resistance to rusting- 29	Chemicals (Ammonium Chloride), Humidity cabinet, Heating cabinet
44.	Pressure test at high temperature- 30.1	Figure 40: Apparatus for pressure test at high temperature, Heating cabinet
45.	Static damp heat test- 30.2	Climatic chamber according to IS 9000 (Part 5/ Sec 1 & 2)
46.	Test at low temperature- 30.3	Freezer
47.	Impact test at low temperature- 30.4	Figure 41: Impact test apparatus on pins provided with insulating sleeves

Note: The above list is indicative only and may not be treated as exhaustive.

ANNEX – C

निरीक्षण और परीक्षण की स्कीम

Scheme Of Inspection And Testing

1. QUALITY ASSURANCE PLAN

1.1 It is expected that manufacturers (licensees/applicants) will implement a Quality Assurance Plan i.e. a plan of regular testing and in-process controls, designed to ensure that the product bearing the Standard Mark conforms to all requirements of the Indian Standard.

1.2 The manufacturers shall define a Quality Assurance Plan defining the control unit (i.e. lot/batch etc.) and the levels of control (i.e. the frequency and number of samples for conducting the different tests as per the Indian Standard) and submit the same to BIS Branch Office for information. The manufacturer shall comply with the same and maintain test records in accordance with para 2.4.

1.3 RECOMMENDED LEVELS OF CONTROL/CONTROL UNIT:

1.3.1 For the guidance of manufacturers, the recommended definition of control unit is: **Plugs or Socket-Outlets of same type and rating manufactured in a day shall constitute a control unit.** The manufacturer has the choice to define their own control unit/batch/lot and submit the same to the BIS

1.3.2 For the guidance of manufacturers in preparing the Quality Assurance Plan, recommended levels of control are given in **Table 1**.

1.3.3 The manufacturer shall ensure inspection and testing as per the Quality Assurance Plan submitted by them on the whole production of the factory which is covered by this plan. Alternatively, the manufacturer has the option of adherence to the quality plan as per levels of control recommended in column 3 of Table 1.

1.4 However, all manufacturers shall ensure compliance of their products to all the requirements of the Indian Standard.

2. ENSURING COMPLIANCE THROUGH TESTING- It is expected that manufacturers (licensees/applicants) will establish a suitably equipped and staffed in house laboratory (In house testing facility) for testing at least those parameters of the Indian Standard which require routine testing for ensuring quality of the product. This includes in-process controls as may be defined and put in place by the manufacturer and testing parameters/requirements which can only be performed in the factory.

2.1 For the guidance of manufacturers, Table 1 giving the recommended levels of control is given below. Column 2 of Table 1 indicates routine tests where test equipment is required in house as “R” or other tests which can be subcontracted as “S”. Subcontracting is permitted to BIS recognized/empanelled laboratory or any other laboratory having valid NABL accreditation as per IS/ISO/IEC 17025.

2.2 For MSME manufacturers, the requirement of maintaining a laboratory/in-house testing facility for routine tests (indicated as “R” in Column 2 of Table 1) is also optional.

2.2.1 MSME manufacturers may utilize common cluster based facilities as per guidelines for the utilization of cluster based test facilities by MSMEs or the provisions of Sharing of testing facilities or get testing done from

BIS recognized/empaneled laboratory or any other laboratory having valid NABL accreditation as per IS/ISO/IEC 17025.

2.3 Large Scale manufacturers shall maintain an in-house laboratory equipped at least with test facilities for routine tests (indicated as “R” in Column 2 of Table 1), where different tests given in the specification shall be carried out in accordance with the method given in the specification. They shall also implement a calibration plan for the in-house test equipment.

2.3.1 Alternatively, in lieu of an in-house laboratory, large scale manufacturers can also utilize the provisions of Sharing of testing facilities as per the Guidelines for Grant of Licence available on BIS website www.bis.gov.in. (Under Conformity Assessment>Product Certification Process). Even for subcontracted tests, provisions for sharing of testing facilities can be utilized.

2.4 TEST RECORDS- The manufacturers maintaining an in-house laboratory or utilizing common cluster based facilities or shared test facilities shall maintain test records for the tests carried out to establish conformity. For the tests being subcontracted to BIS recognized/empanelled laboratory or any other laboratory having valid NABL accreditation as per IS/ISO/IEC 17025, test reports issued by the laboratories shall be available for inspection by BIS.

3. PACKING AND MARKING - The Standard Mark as given in the Schedule of the licence shall be incorporated legibly and indelibly on **each Plug or Socket-Outlet and also on its packaging** provided always that the material so marked conforms to each requirement of the specification.

3.1 Packing and Marking shall be done as per the **IS 1293 : 2019**.

3.2 Additional Marking requirements: The material shall also be marked with the following additional requirement on packaging:

a) “For BIS certification details please visit www.bis.gov.in”

4. REJECTION - All the production which conforms to the Indian Standard and covered under the scope of this licence shall be marked with the Standard Mark. 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
(ONLY FOR GUIDANCE PURPOSE)

(1)				(2)	(3)		(4)
Test Details				Test equipment requirement R: required (or) S: Sub - contracting permitted	Levels of Control		Remarks
Cl.	Requirement	Test Methods			No. of Sample	Frequency	
		Clause	Ref				
8	Marking (except 8.8)	8	IS 1293	---	Firm should exercise adequate control so that whole production should meet the requirements.		
8.8	Marking (Marking shall be durable and easily legible)	8.8		R			
9	Checking of dimensions	9		R			
10	Protection against electric shock	10		R	3	Every week for each type and rating of plugs and socket-outlets manufactured in the period	
22	Force necessary to withdraw the plug	22		R	3		
17.3	Electric Strength (Flash test)	17.3		R	3	Every three month for each type and rating of plugs and socket-outlets manufactured in the period	
19	Temperature rise	19		R	3		
16	Resistance to harmful ingress of water and to humidity test	16.2, 16.3		S	3		
17	Insulation resistance and electric strength	17		S	3		
24	Mechanical Strength	24		S	3		
20	Making and breaking capacity	20		S	3		Refer Note-1
13	Constructional requirements of fixed socket outlets	13		S	3	Once in a year for each type and rating of plugs and socket-outlets manufactured in the period	
14	Constructional requirements of plugs and portable socket outlets	14		S	3		

15	Interlocked socket outlet	15		S	3	Once in a year for each type and rating of plugs and socket-outlets manufactured in the period	
23	Flexible cables and their connection	23		S	3		
25	Resistance to heat	25		S	3		
26	Screws, current carrying parts and connections	26		S	3		
27	Creepage distances, clearance and distances through sealing compound	27		S	3		
11	Provision for earthing	11		S	3		
12	Terminals	12		S	3		
16	Resistance to ageing, harmful ingress of water, humidity	16		S	3		
17	Insulation resistance and electric strength	17		S	3		
18	Operation of earthing contacts	18		S	3		
21	Normal operation	21		S	3		
29	Resistance to rusting	29		S	3		
30	Additional tests on pins provided with insulating sleeves	30		S	3	Once in a year or whenever there is change in raw material of plugs and socket-outlets manufactured in the period	
28	Resistance of insulating material to abnormal heat, fire and tracking	28		S	3		

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.

ANNEX – D

एक दिन में संभावित परीक्षण Possible Tests in a day

1. Marking (Cl. 8)
2. Checking of dimensions (Cl. 9)
3. Protection against electric shock (Cl. 10)
4. Electric Strength (Flash test) (Cl. 17.3)
5. Temperature rise (Cl. 19)
6. Tumbling barrel test (Cl. 24.2)
7. Creepage distance and clearances (Cl. 27)
8. Glow-wire test (Cl. 28.1.1)

ANNEX – E

लाइसेंस का दायरा **Scope of Licence**

Licence is granted to use Standard Mark as per IS 1293:2019 with the following scope:

Name of the Product	
Type (socket-outlet)	Fixed/ Portable/ multiple portable socket-outlets / Combined/ for Appliances
Rated Current	
Rated Voltage	
Nature of supply	
IP (plugs/socket outlets)	
Provision for earthing (plugs/socket outlets)	With/ without earthing contact
Method of connecting cable (plugs/socket outlets)	Rewirable/ non-rewirable
Type of terminals (plugs/socket outlets)	Screw-type/ screwless for rigid conductors/ screwless for rigid and flexible conductors
Degree of protection against electric shock (socket-outlets)	Normal / Increased protection
Method of application/ mounting (socket-outlet)	Surface/ Flush/ Semi-Flush/ Panel/ Architrave Type
Existence of shutters (socket-outlet)	With/ without shutters
Intended Use (if any) (socket-outlets)	
Intended Class of appliance (Plugs)	Class I/ Class II
Insulating sleeves (Plug)	Pins with/ without insulating sleeve

Scope for Plugs and Socket-outlets may be provided in separate tables in the Licence.

ANNEX – F

Guidelines for Outsourcing of Moulded Bodies

a) Outsourcing of moulding facilities may be permitted with the following organizations (Moulder):

For Domestic Manufacturers

- Any dedicated moulding unit in the conforming/ authorized industrial area and located under the jurisdiction of the same Branch Office.
- Any other unit of the Licensee/ Applicant or their sister concern, which is having a valid BIS licence for the same product under the jurisdiction of the same Branch Office.

For Foreign Manufacturers

- Any dedicated moulding unit in the conforming/ authorized industrial area and located in the same city where the applicant/ licensee is located.
- b) The dedicated moulder shall not carry out moulding for units other than the particular Applicant/ Licensee.
- c) The Manufacturer shall take the following actions:
- Enter into an agreement with the moulder which shall comprise, inter alia, the terms and conditions for moulding including the condition of dedicated moulding, period of agreement etc.
 - Declare the Items and Brands for which he intends to outsource moulding.
 - Declare the name, ownership details, address, details of the responsible person, phone number, etc. of the moulder.
- d) It shall be the responsibility of the licensee (the firm which is outsourcing the moulding activity) to ensure that no finished material is produced or assembled at any place other than the licensed premises and he shall be responsible for any misuse of ISI mark at the moulder's premises. An Undertaking to this effect shall be furnished to BIS.
- e) Records of raw material issued date-wise, moulded material received back date-wise and item-wise shall be maintained by the licensee. Similar records shall also be maintained by the moulder.
- f) The moulder shall ensure that there is a separate dedicated space for keeping moulded components as well as the raw materials received from the licensee. Colour coding of bins/ separate storage location etc. may be used to ensure easy and quick traceability. Appropriate records are to be maintained at both the units.
- g) The licensee shall ensure that there are adequate means of ensuring the quality of incoming outsourced moulded bodies.

- h) For applications received with request for outsourcing of moulding facilities, a special inspection of the moulder's premises shall be carried out to adjudge the capability of the moulder in addition to the preliminary inspection at the applicant's premises. Special Inspection Charges and any other charges, as applicable, for this visit shall be collected from the applicant in advance. The process flow chart submitted by the applicant shall clearly indicate the outsourcing of moulded bodies. The recommendations for GoL shall include details on outsourcing of moulding operation by the firm. The details of outsourcing may also be included in the GoL intimation letter.
- i) For existing licensees who intend to outsource the moulding facility, the licensee shall submit a fresh process flow chart indicating the outsourcing of moulded bodies. The permission for outsourcing may be given to the licensee after complying with all the procedures including verification visit to the moulder's premises.
- j) Whenever there is a change in the moulder, the licensee has to enter into a fresh agreement with the new moulding unit. The permission for outsourcing may be given to the licensee after complying with all the procedures including verification visit to the moulder's premises.
- k) During the operation of the licence, records required to be maintained at the licensee end with respect to outsourced moulding shall be verified during surveillance visit at the licensee's premises by BIS Certification Officer.
- l) BIS Officer(s) shall have access to the moulder's premises and if at any time the same is denied, permission for outsourcing shall be withdrawn. An undertaking in this respect shall be obtained.
- m) For Domestic manufacturers, the visit to moulder's premises may be taken up as a special visit as and when needed. Special Inspection Charges for this visit shall be collected from the licensee after the visit. An undertaking from the licensee regarding payment of such charges shall be obtained.
- n) For Foreign manufacturers, BIS shall maintain surveillance over the moulder's premises in addition to the manufacturer's premises. Special inspection charges and all other applicable charges for this visit shall be payable by the licensee.

Note:

- The Indian Standard does not impose any restriction on the manner/ method of Marking so long as the Durability clause is complied with. As such, the product may be marked with the Standard Mark, CM/L Number, Manufacturer's Brand and other markings during the process of moulding itself, in which case all the conditions stated above shall apply.
- However, if the Marking on the moulded bodies is done at the Licensee's own premises by other means such as pad printing/ laser marking etc, the moulded component may be treated as any other bought out component/ raw material as these are not marked with the ISI Mark or CM/L Number during the outsourced moulding process. Notwithstanding this, the Applicant/ Licensee shall ensure that there are adequate means of ensuring the quality of the incoming components.