

## केन्द्रीय मुहर विभाग - III

हमारा संदर्भ- केन्द्रीय मुहर विभाग-3/16: IS 16014

दिनांक :04 02 2019

**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 16014

Date: 04 02 2019

**Subject: SIT for IS 16014 :2018 – Mechanically Woven, Double – Twisted, Hexagonal Wire Mesh Gabions, Revet Mattresses, Rock Fall Netting and Other Products for Civil Engineering Purposes (Galvanized Steel Wire or Galvanized Steel Wire with Polymer Coating) (Second Revision).**

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

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**SCHEME OF INSPECTION AND TESTING  
FOR CERTIFICATION OF  
MECHANICALLY WOVEN, DOUBLE – TWISTED, HEXAGONAL WIRE MESH  
GABIONS, REVET MATTRESSES, ROCK FALL NETTING AND OTHER  
PRODUCTS FOR CIVIL ENGINEERING PURPOSES (GALVANIZED STEEL  
WIRE OR GALVANIZED STEEL WIRE WITH POLYMER COATING)  
ACCORDING TO IS 16014 : 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 16014 : 2018.

**4. CONTROL UNIT** – Each variety and class produced in a shift 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, 2016.

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				
<b>5</b>	<b>MATERIALS AND MANUFACTURE</b>						
5.1, 5.3, 5.4.1, 5.4.2, 6.1	Material	5.1, 5.3, 5.4.1, 5.4.2, 6.1	IS 16014	S	---	Each consignment	No further testing is required, if accompanied with test certificate or ISI marked
5.2, 5.4, 5.5	Manufacture	5.2	IS 16014	R	Each	---	---
		5.4, 5.5	IS 16014	R	One	Each Control Unit	---
6.2, 12.1	Mesh Panel Strength	6.2, 12.1	IS 16014	R	Three		
12.2	Punch Test	12.2					
7.1, 12.3	Physical properties of Zinc / Zinc Alloy Coating	7.1, 12.3	IS 16014	R	One		
7.2	Physical Properties of Polymer for Coating	7.2 (a) 7.2(b) 7.2(c) 7.2(f) 7.2(g)	IS 16014	R	One	Each consignment	No further testing is required, if accompanied with test certificate.
		7.2(d) 12.5		S	One	Once in three months	
		7.2(e)		S	One	Once in a year	

		7.2(h)		S	One	Once in a year	
8	Dimensions and Tolerances	8, 12.4	IS 16014	R	One	Each Control Unit	
9	Workmanship	8	IS 16014	R	One	Each Control Unit	

**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.