

## केन्द्रीय मुहर विभाग - III

हमारा संदर्भ- केन्द्रीय मुहर विभाग-3/16: IS 8110

दिनांक 28 05 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 8110

Date: 28 05 2019

**Subject: SIT for IS 8110:2019 – Certification of Water Well Screens and Slotted Pipes**

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 WATER WELL SCREENS AND SLOTTED PIPES  
ACCORDING TO IS 8110: 2019**

**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 8110: 2019.

**4. CONTROL UNIT** – Water Well Screens and Slotted Pipes of same designation (as per clause 6 of IS 8110) manufactured from same batch of raw material in one day and from one machine (under same setting condition) 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

(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	Remarks
		Clause	Reference				
5	Materials	5	IS 8110	S	One	Each Consignment	#
7	Basic Requirements of Screens	7.1, 7.2, 7.3, 7.4	IS 8110	R	Each Screen		
8	SPECIFIC DESIGN FEATURE						
8.1	<i>Slotted Pipes</i>						
8.1.1	Low Carbon or Mild Steel Slotted Pipes	8.1.1, Table 2	IS 8110	R	Five	Each Control Unit	
8.1.2	Fiberglass Reinforced Plastic Pipes (FRP)	8.1.2 8.1.2.1, Table 1	IS 8110	R	Five	Each Control Unit	
	Material Requirements	8.1.2.2 Annex-A (except A-1.1.5)	IS 8110	R	One	Each Control Unit	
	Water Absorption and Retention of Strength	Annex-A (A-1.1.5)	IS 8110	R	One	Each 7 <sup>th</sup> Control Unit	
8.2	<i>Mesh Wrapped Screens</i>						
	Material	8.2.1, 8.2.2, 8.2.3	IS 8110	S	One	Each Consignment	#
	Dimensions	8.2.1, 8.2.2, 8.2.3, Table 2	IS 8110	R	Five	Each Control Unit	

8.3	<i>Cage Type Wire Wound Screen</i>						
8.3.1	General Requirements	8.3.1.1, 8.3.1.7, 8.3.1.8	IS 8110	R	Five	Each Control Unit	
8.3.2	Material of construction	8.3.2	IS 8110 IS 280 IS 6528	S	One	Each Consignment	#
8.3.3	Dimensional Parameters	8.3.3,8.3.5 Table 3 Table 4 Table 5 Table 6	IS 8110	R	Five	Each Control Unit	
8.3.4	Strength Parameters	8.3.4 8.3.6.2 8.3.6.3 8.3.6.4	IS 8110	R	One	Each Control Unit	
					Five	Each Control Unit	Frequency for Weld Joint Strength
8.4	<i>Brass Screen</i>						
	Material	8.4.1	IS 8110 IS 3168	S	One	Each Consignment	#
	Minimum thickness of Sheet	8.4.1	IS 8110	R	Ten	Each Control Unit	
	Dimensions	8.4.2, Fig 5A Fig 5B	IS 8110	R	Ten	Each Control Unit	
9	General Requirements	9.2	IS 8110	R	Each Screen		

# No further testing is required, if accompanied with test certificate or ISI marked.

**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.