



**PRODUCT MANUAL FOR
FIRE BELLS
ACCORDING TO IS 928:1984**

This Product Manual shall be used as reference material by all Regional/Branch Offices & licensees to ensure coherence 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 licence/certificate.

1.	Product	:	IS 928:1984
	Title	:	FIRE BELLS
	No. of Amendments	:	NIL
2.	Sampling Guidelines:		
a)	Raw material	:	As per clause 2 of IS 928 : 1984
b)	Grouping guidelines	:	Not Applicable
c)	Sample Size	:	Fire bell – 1 No
3.	List of Test Equipment	:	Please refer ANNEX – A
4.	Scheme of Inspection and Testing	:	Please refer ANNEX – B
5.	Possible tests in a day :		
	All tests		
6.	Scope of the Licence :		
	“Licence is granted to use Standard Mark on Fire Bells as per IS 928:1984.		

ANNEX A**List of Test Equipment***Major test equipment required to test as per the Indian Standard*

Sl. No.	Tests used in with Clause Reference	Test Equipment
1	Construction (Clause 3)	- Vernier Calliper
		- Micro meter
2	Mass (Clause 4)	- Weighing Balance
3	Performance Test (Clause 6)	- Horn
		- Sound meter
		- Microphone
		- Mild steel ball
		- Measuring tape
		- Anechoic chamber

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

ANNEX B

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 equipments.

2. TEST RECORDS – The manufacturer shall maintain test records for the tests carried out to establish conformity.

3. LABELLING AND MARKING – As per the requirement of IS 928:1984

4. 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.

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

5. 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 Method			No. of Sample	Frequency	Remarks
		Clause	Reference				
2	Materials						
	Bell metal for shell	2.1	IS 928	S	One	Each consignment	No further testing is required, if material received is with BIS Standard Mark or accompanied with manufacturers test certificate.
	Mild steel for bracket and other items	2.2	IS 928	S	One	Each consignment	
	Steel wire for spring	2.3	IS 928	S	One	Each consignment	
Leather for strap	2.4	IS 928	S	One	Each consignment		
3	Construction	3.1	IS 928	R	One	Each fire bell	-
4	Mass	4.1	IS 928	R	One	Each fire bell	-
5	Workmanship and finish	5.1	IS 928	R	One	Each fire bell	-
6	Performance test	6.1	IS 928	R	One	Each fire bell	-

Note-1: 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.