

भारतीय मानक ब्यूरो
(केंद्रीय मुहर विभाग III)

हमारा संदर्भ : सी एम डी - III/16 : IS 374

31 January 2019

विषय : आई एस IS 374:2018 के अनुपालन हेतु एस आई टी

सभी शाखा कार्यालय से आग्रह है कि एस आई टी DOC:SIT/IS 374/ 1/ January 2019 का अनुपालन तत्काल प्रभाव से सुनिश्चित करें।

अलिस्मिता खाग
वैज्ञानिक बी (सी एम डी-III)

प्रमुख (सी एम डी-III)

सभी क्षेत्रीय /शाखा कार्यालय
प्रतिलिपि : आई टी एस विभाग - बी आई एस इंटरनेट पर डालने हेतू

CENTRAL MARKS DEPARTMENT III

Our Ref: CMD III/16: IS 374

31 January 2019

Subject: SIT for implementation of IS 374:2019

This has reference to the subject mentioned above.

BOs may kindly ensure implementation of the SIT with immediate effect.

Alismita Khag
Sc B(CMD III)

Head (CMD III)

Circulated to: All ROs/BOs

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**SCHEME OF INSPECTION AND TESTING FOR CERTIFICATION OF
ELECTRIC CEILING TYPE FANS
ACCORDING TO IS 374:2019**

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 374:2019.

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 Standard and covered by the licence should be marked with Standard Mark.

5. CONTROL UNIT– All ceiling roses of the same type manufactured in a day shall constitute a control unit.

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 LEVELS OF CONTROL

(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				
18.4	Earth Continuity Test	A-1	IS 302-1	R	Every Fan	—	
	Electric Strength Test	A-2	IS 302-1	R			
	Functional test	A-3	IS 302-1	R			
	Simple Running Test	18.4(d)	IS 374	R			
4	General Requirements						
4.2	Stampings	4.2	IS 374	S	Each consignment	*	
			IS 648				
4.3	Blades and Motor	4.3	IS 374	R	Each Fan	—	
4.6	Enclosure	4.6	IS 374	R	Each Motor		
9	Safety Requirements						
	Protection against access to live parts	8	IS 302-2-80	R	Three	Every control Unit	
	Power Input and Current	10	IS 302-2-80	R			
	Heating	11	IS 302-2-80	R			
	Leakage Current & Electric Strength at Operating Temperature	13	IS 302-2-80	R			
	Transient Overvoltage	14	IS 302-2-80	S	Three	Every year for each type and rating	
	Moisture Resistance	15	IS 302-2-80	R	Three	Every week for each type and rating	
	Leakage Current & Electric Strength	16	IS 302-2-80	R			
	Overload Protection of Transformers and Associated Circuits	17	IS 302-2-80	S	Three	Once a month for each type & rating	
	Abnormal Operation	19	IS 302-2-80	S	Three	Every six months for each type and rating	
Stability & Mechanical Hazards	20	IS 302-2-80	S				

9	Mechanical Strength	21	IS 302-2-80	S	Three	Once a month for each type & design
	Construction	22	IS 302-2-80	S		
	Internal Wiring	23	IS 302-2-80	S		
	Components	24	IS 302-2-80	S		
	Supply Connection & External Flexible Cords	25	IS 302-2-80	S		
	Terminals for External Conductors	26	IS 302-2-80	S		
	Provision for Earthing	27	IS 302-2-80	R	Every fan	
	Screws and Connections	28	IS 302-2-80	R	Three	Every six months for each type and rating
	Clearances, Creepage Distances & Solid Insulation	29	IS 302-2-80	R		
	Resistance to Heat and Fire	30	IS 302-2-80	S		
	Resistance to Rusting	31	IS 302-2-80	S		
		Radiation, Toxicity & Similar Hazards	32	IS 302-2-80	S	
15	Performance Requirements	14.3, 15	IS 374	R	Three	Each control unit
14.4& 14.5	Speed and Power Factor	14.4& 14.5	IS 374	R		
10.1 to 10.6,10.8	Speed Regulator	10.1 to 10.6,10.8	IS 374	R	Once a week for each type and design	
10.7	Speed Regulator	10.7	IS 374	S	Each consignment	*
			IS 11037, IS 14700 (Part 3/Sec 2)			

11	Starting	11	IS 374	R	Three	Each control unit	
12	Interchangeability	12	IS 374	R			
13	Silent Operation	13	IS 374	R			
17	Test for Harmonic Distortion	17	IS 374	S	Three	Every six months for each type and rating	—
16	Endurance Test	16	IS 374	S	Three	Once a month for each type & design	

* No further testing is required if accompanied with Test certificate or ISI Marked.

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.

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