



**PRODUCT MANUAL FOR
GYPSUM PLASTER BOARDS
PART 1 – PLAIN GYPSUM PLASTER BOARDS
ACCORDING TO IS 2095 (Part 1) : 2011**

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 2095 (Part 1) : 2011
	Title	:	GYPSUM PLASTER BOARDS – PLAIN GYPSUM PLASTER BOARDS
	No. of Amendments	:	NIL
2.	Sampling Guidelines:		
a)	Raw material	:	i) Gypsum Plaster – IS 2547 (Part 1) ii) By-Product Gypsum – IS 12679
b)	Grouping guidelines	:	Please refer ANNEX – A
c)	Sample Size	:	Plain gypsum plaster boards – 4 boards of full size
3.	List of Test Equipment	:	Please refer ANNEX – B
4.	Scheme of Inspection and Testing	:	Please refer ANNEX – C
5.	Possible tests in a day :		
	i)		Dimensions (Clause 7.1)
	ii)		Taper profile (Clause 7.2)
	iii)		Finish (Clause 10)
6.	Scope of the Licence :		
	“Licence is granted to use Standard Mark as per IS 2095 Part (1) with the following scope:		
	Name of the product		Plain Gypsum Plaster Board
	Type and Thickness		Gypsum Wallboard/ Gypsum Baseboard of thickness upto and including --- mm

ANNEX A
Grouping Guidelines

1. Plain gypsum plaster boards covered in IS 2095 (Part 1) are classified as under:
 - a) Types :
 - i) Gypsum wallboards
 - ii) Gypsum wallboard with reduced water absorption rate
 - iii) Gypsum wallboard with improved core cohesion at high temperature
 - iv) Gypsum plaster baseboard
 - v) Gypsum plaster baseboard with improved core cohesion at high temperature.
 - b) Edge and End profiles:
 - (i) Square (ii) Tapered (iii) Bevelled and (iv) Rounded
 - c) Dimensions :
 - i) For Gypsum wallboards : Width – 1800 to 3600 mm in steps of 100 mm
Length – 600, 900 and 1200 mm
Thickness – 9.5, 12.5, 15, 19, 23 and 25 mm
 - ii) For Gypsum baseboards : Width – 400 and 900 mm
Length – 1200, 1500 and 1800 mm
Thickness – 9.5 and 12.5 mm

(Note : Gypsum plaster boards of other dimensions may also be manufactured as per mutual agreement between the purchaser and manufacturer)

2. IS 2095 (Part 1) specifies requirements for gypsum wallboards and gypsum baseboards in general and no specific requirement for other types of wallboards and baseboards is defined. Further since the Breaking Load values are given only for the nominal thickness, GoL/CSoL may be considered only for the above nominal thicknesses.

3. In view of the above, gypsum boards covered in IS 2095 (Part 1) is grouped as given below based on thickness and type:

Group	Type	Thickness
I	Gypsum wallboards	9.5, 12.5, 15, 19, 23 and 25 mm
II	Gypsum baseboards	9.5 and 12.5 mm

4. One sample of any thickness from each group shall be tested for all requirements to cover all thickness of the type in that group.

5. 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 varieties covered in the Licence may be tested in rotation, to the extent possible

ANNEX-B**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.	Dimensions (Clause 7.1)	<ul style="list-style-type: none"> - Measuring tape - Steel scale - Micro meter
2	Taper profile (Clause 7.2)	<ul style="list-style-type: none"> - Steel scale - Vernier calliper - Micro meter with special device
3	Transverse strength (Clause 7.3)	<ul style="list-style-type: none"> - Steel scale - Vernier calliper - Weighing balance - Conditioning chamber to maintain temperature of 27 ± 2 °C and humidity 65 ± 2 % - Transverse testing arrangement as per Fig 1 of IS 2542 (Part II/ Sec 4) with defined rate of loading.

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

ANNEX C

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 requirements of IS 2095 (Part 1) : 2011.

4. CONTROL UNIT – All gypsum boards of same type and size produced in a day from similar raw material under similar condition of production in a day 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 Standards 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	Clause Reference	Test Methods		No. of Sample	Frequency	Remarks
5	Material			S	One	From each consignment	No further testing is required if ISI marked or accompanied with test certificate.
	Gypsum plaster	5.1	IS 2095 (Part 1) IS 2547 (Part 1)				
	By product gypsum	5.1	IS 2095 (Part 1) IS 12679				
6.2	Edge and End profile	6.2	IS 2095 (Part 1)	-	Each Board	-	-
7.1	Dimension	7.1, Table 1, Table 2	IS 2095 (Part 1) IS 2542 (Part 2/Sec 1 to 8)	R	Two	Each Control unit	-
7.2	Taper profile	7.2, 8.2	IS 2095 (Part 1) IS 2542 (Part 2/Sec 1 to 8)	R	Two	Each Control unit	-
7.3	Transverse strength	7.2, Table 3	IS 2095 (Part 1) IS 2542 (Part 2/Sec 1 to 8)	R	Two	Once in a week for each type of gypsum board	-

8.3	Optional test requirements	8.3	IS 2095 (Part 1) IS 2542 (Part 2/Sec 1 to 8)	R	-	-	Specified requirement and testing frequency may be as per mutual agreement between purchaser and manufacturer.
10	Finish	10.1	IS 2095 (Part 1)	-	Each Board	-	-

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.