Laboratory		Central Wood Testing Laboratory, The Rubber Board, RRDTC Complex, Manganam P.O., Kottayam, Kerala				
Accreditation Standard Discipline Certificate Number Last Amended on		ISO/IEC 17025: 2005				
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	oduct / aterial of Test	Specific Test Performed	Test Method Specifica against which tests an performed			ge of Testing / ts of Detection
I. BUILDI	NG MATERIALS					
1. Tim	ber	Moisture Content	IS 1708 (Part 1)- 1986 2 nd Revision Amendment Reaffirmed year 2010	2	1 - 80	0%
		Density	IS 1708 (Part 2)- 1986 2 nd Revision Amendment Reaffirmed year 2010		1 - 1:	500 kg/m ³
		Volumetric shrinkage	IS 1708 (Part 3)- 1986 2 nd Revision Amendment Reaffirmed year 2010	2	1 -10	%
		Static Bending Test Fibre stress at Limit of Proportionality (FS at LP)	IS 1708 (Part 5)- 1986 2 nd Revision Amendment Reaffirmed year 2010	2	150 -	800 kg/ cm ²
		Horizontal Shear Stress at Limit of Proportionality (HS at LP)	IS 1708 (Part 5)- 1986 2 nd Revision Amendment Reaffirmed year 2010		5 - 3(0 kg/ cm^2
		Horizontal Shear Stress at Maximum load (HS at ML)	IS 1708 (Part 5)- 1986 2 nd Revision Amendment Reaffirmed year 2010		10 - 4	40 kg/ cm ²
		Modulus of Rupture (MOR)	IS 1708 (Part 5)- 1986 2 nd Revision Amendment Reaffirmed year 2010	2	250 -	1200 kg/ cm ²
		Modulus of Elasticity (MOE)	IS 1708 (Part 5)- 1986 2 nd Revision Amendment Reaffirmed year 2010		2000	0 -120000 kg/cm ²

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	Timber	Maximum Load (ML)	IS 1708 (Part 5)- 1986 2 nd Revision Amendment Reaffirmed year 2010		50 - 350 kg	
		Compressive Strength Parallel to Grain Test Compressive Stress at limit of proportionality (CS at LP)	IS 1708 (Part 8)- 1986 2 nd Revision Amendment Reaffirmed year 2010		100 - 500 kg/ cm ²	
		Compressive Stress at maximum load (CS at ML)	IS 1708 (Part 8)- 1986 2 nd Revision Amendment Reaffirmed year 2010		150 - 900 kg/ cm ²	
		Modulus of Elasticity (MOE)	IS 1708 (Part 8)- 1986 2 nd Revision Amendment Reaffirmed year 2010		10000 - 60000 kg/	cm ²
		Maximum Load (ML) kg	IS 1708 (Part 8)- 1986 2 nd Revision Amendment Reaffirmed year 2010	2	500 - 2500 kg/ cm ²	
		Compressive Strength Perpendicular To Grain Test				
		Compressive Stress at limit of proportionality (CS at LP)	IS 1708 (Part 9)- 1986 2 nd Revision Amendment Reaffirmed year 2010		50-200 kg/ cm ²	
		Compressive Stress (CS) at compression of 2.5mm	IS 1708 (Part 9)- 1986 2 nd Revision Amendment Reaffirmed year 2010		75-500 kg/ cm ²	

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Timber	Modulus of Elasticity (MOE)	IS 1708 (Part9)- 1986 2 nd Revision Amendment Reaffirmed year 2010	2	5000-	-50000 kg/ cm ²
	Hardness Test Hardness	IS 1708 (Part10)- 1986 2 nd Revision Amendment Reaffirmed year 2010	2	150-1	000 kg
	Shear/ Block Shear Strength Test				
	Max Shearing Stress	IS 1708 (Part 11)- 1986 2 nd Revision Amendment Reaffirmed year 2010	: 2	20-35	50 kg/cm^2
	Max load	IS 1708 (Part11)- 1986 2 nd Revision Amendment Reaffirmed year 2010	: 2	100-4	1500
	Tensile Strength Parallel to Grain				
	Tensile stress at limit of proportionality (TS at LP)	IS 1708 (Part12)- 1986 2 nd Revision Amendment Reaffirmed year 2010	2	75-700 kg/cm ²	
	Tensile stress at maximum load (TS at ML)	IS 1708 (Part12)- 1986 2 nd Revision Amendment Reaffirmed year 2010	: 2	150-1	500 kg/cm ²
	Maximum Load	IS 1708 (Part12)- 1986 2 nd Revision Amendment Reaffirmed year 2010	2	75-10	000 kg

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specificat against which tests are performed		nge of Testing / lits of Detection		
	Timber	Cleavage Strength Cleavage Resistance	IS 1708 (Part14)- 1986 2 nd Revision Amendment 2 Reaffirmed year 2010	5-25	50 kg/cm		
		Nail And Screw Holding Power Max Load for Nail kg Max Load for Screw kg	IS 1708 (Part15)- 1986 2 nd Revision Amendment 2 Reaffirmed year 2010	2	750 kg 1000 kg		
2. Laminated timber	Laminated timber	Boiling water soak delamination test	JAS: 1996 for glued lamina timber	ated Visu	al Observation		
		Cold water soak delamination test	JAS: 1996 for glued lamina timber		al observation		
3. Doo	Door shutter	Dimensions and squareness Height	IS 4020-1998 (Part 2) 3 rd Revision Amendment 2				
		Width	Reaffirmed Year 2011	300	300-1000mm		
		Thickness		15-4	45mm		
		Impact indentation test	IS 4020-1998 (Part 5) 3 rd Revision Amendment 2 Reaffirmed Year 2011	0.05	5 - 10mm		
		Flexure test	IS 4020-1998 (Part 6) 3 rd Revision Amendment 2 Reaffirmed Year 2011	1-10)0mm		

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		performed	
Door shutter	Edge loading test	IS 4020-1998(Part 7) 3 rd Revision Amendment 2 Reaffirmed Year 2011	1-50mm
	Shock resistance test	IS 4020-1998(Part 8) 3 rd Revision Amendment 2 Reaffirmed Year 2011	Visual Observation
	Buckling resistance test	IS 4020-1998(Part 9) 3 rd Revision Amendment 2 Reaffirmed Year 2011	1-150mm
	Slamming test	IS 4020-1998(Part10) 3 rd Revision Amendment 2 Reaffirmed Year 2011	Visual Observation
	Misuse test	IS 4020-1998(Part11) 3 rd Revision Amendment 2 Reaffirmed Year 2011	1- 600mm
	Glue adhesion test	IS 4020-1998(Part15) 3 rd Revision Amendment 2 Reaffirmed Year 2011	Visual Observation