

Tender no- PVVNL-MT/MM/_____

Guaranteed Technical Particulars

Name of material : **Solid Press Board Type "D"** [Length x width - (1000-2000)mm x 1000 mm]

Conforming standards : **IS : 1576/1992 or relevant IEC** (and any other latest amendments thereafter)

Name of Bidder Firm :

Name of Manufacturer :

Thickness : 1.0mm

Sl. No	Properties		Test Method as per IS:1576	Specification Requirement (thickness 1.0mm)	Offered value
1	Tolerance on nominal Thickness		Annex B	$\pm 7.5\%$ mm (for thickness ≤ 1.6 mm)	
2	Density		Annex C1	1.10 g/cm ³ (Min)	
3	Electric Strength (Proof test)	in Air at 90o C	Annex D	10 kV (1Minute withstood)	
		in Oil	Annex D	18 kV (1Minute withstood)	
4	Tensile Strength	MD	Annex E	800 Kg/cm ² (Min)	
		CMD	Annex E	400 Kg/cm ² (Min)	
5	Shrinkage in Air	MD	Annex G	1.0% (Max)	
		CMD	Annex G	1.5% (Max)	
		PD	Annex G	6.0% (Max)	
6	Flexibility (Folding/ Bending round the mandrel	MD	Annex H	No splitting, cracking or delamination	
		CMD			
7	Oil absorption		Annex C-2	15 % (Min)	
8	Machinability		—	No ragged edges	
9	Conductivity of Aqueous Extract		Annex K	80 micro mhos/cm (Max)	
10	pH of Aqueous Extract		Annex L	5.0—9.5	
11	Moisture Content		Annex M	8.0 % (Max)	
12	Mineral Ash		Annex N	1.0 % (Max)	

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Name of material : Solid Press Board Type "D" [Length x width - (1000-2000)mm x 1000 mm]

Conforming standards : IS : 1576/1992 or relevant IEC (and any other latest amendments thereafter)

Name of Bidder Firm :

Name of Manufacturer :

Thickness : 2.0mm

Sl. No	Properties		Test Method as per IS:1576	Specification Requirement (thickness 2.0mm)	Offered value
1	Tolerance on nominal Thickness		Annex B	± 5.0% mm (for thickness ≥ 1.6 mm)	
2	Density		Annex C1	1.10 g/cm ³ (Min)	
3	Electric Strength (Proof test)	in Air at 90o C	Annex D	23 kV (1 Minute withstood)	
		in Oil	Annex D	35 kV (1 Minute withstood)	
4	Tensile Strength	MD	Annex E	800 Kg/cm ² (Min)	
		CMD	Annex E	400 Kg/cm ² (Min)	
5	Compressibility in Air		Annex F	5.0% (Max)	
6	Total Compressibility in oil		Annex F	9.0% (Max)	
7	Shrinkage in Air	MD	Annex G	1.0% (Max)	
		CMD	Annex G	1.5% (Max)	
		PD	Annex G	6.0% (Max)	
8	Oil absorption		Annex C-2	15 % (Min)	
9	Machinability		—	No ragged edges	
10	Conductivity of Aqueous Extract		Annex K	80 micro mhos/cm (Max)	
11	pH of Aqueous Extract		Annex L	5.0—9.5	
12	Moisture Content		Annex M	8.0 % (Max)	
13	Mineral Ash		Annex N	1.0 % (Max)	

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Name of Bidder Firm : _____
Name of Manufacturer : _____

Thickness : 3.0mm

Sl. No	Properties		Test Method as per IS:1576	Specification Requirement (thickness 3.0mm)	Offered value
1	Tolerance on nominal Thickness		Annex B	$\pm 5.0\%$ mm (for thickness ≥ 1.6 mm)	
2	Density		Annex C1	1.10 g/cm ³ (Min)	
3	Electric Strength (Proof test)	in Air at 90o C	Annex D	23 kV (1 Minute withstood)	
		in Oil	Annex D	35 kV (1 Minute withstood)	
4	Tensile Strength	MD	Annex E	800 Kg/cm ² (Min)	
		CMD	Annex E	400 Kg/cm ² (Min)	
5	Compressibility in Air		Annex F	5.0% (Max)	
6	Total Compressibility in oil		Annex F	9.0% (Max)	
7	Shrinkage in Air	MD	Annex G	1.0% (Max)	
		CMD	Annex G	1.5% (Max)	
		PD	Annex G	6.0% (Max)	
8	Oil absorption		Annex C-2	15 % (Min)	
9	Machinability		—	No ragged edges	
10	Conductivity of Aqueous Extract		Annex K	80 micro mhos/cm (Max)	
11	pH of Aqueous Extract		Annex L	5.0—9.5	
12	Moisture Content		Annex M	8.0 % (Max)	
13	Mineral Ash		Annex N	1.0 % (Max)	