

Laboratory	National Testing Laboratory Pvt. Ltd., B-265, Mangolpuri Industrial Area, Phase-1, Delhi		
Accreditation Standard	ISO/IEC 17025: 2005		
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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I. BUILDING MATERIAL				
1.	Cement	Setting time		
		(a) Initial	IS: 4031(Pt-5):1988 RA 2009	10-150 Min
		(b) Final		150-600 min
		Soundness		
		(a) Lechatlier	IS:4031(Pt-3):1988 RA 2009	0.5-10 mm
		(b) Autoclave		-0.05-2.0%
		Compressive Strength, N/mm²		
		(a) 24 ± ½ Hrs	IS 4031(Pt-6):1988 RA 2009	5-70 Mpa
2.	Fly ash	(b) 72 ± 1Hrs		
		(c) 168 ± 2Hrs		
		(d) 678 ± 4Hrs		
		Fineness	IS:4031(Pt-2):1999 RA 2008	100-600 m ² /kg
		Blain Method		
		Consistency	IS:4031(Pt-4):1988 RA 2009	20-50%
		Drying shrinkage	IS 4031(Pt-10):1988 RA 2009	0.01-1.0 %
		Density	IS:4031(Pt-11):1988 RA 2009	2 - 3.5
		Fineness		
		(a) Blain Method	IS:1727:1967. RA 2008	100-600 m ² /kg
		Residue 45 micron (Wet Sieving)	IS:1727:1967, RA 2008	0-100%
		Lime Reactivity N/mm ²	IS:1727:1967 RA 2008	Upto 40Mpa
		Specific Gravity	IS:1727:1967 RA 2008	1 - 3

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3.	Burnt clay Building Brick/ Lime Brick Fly ash lime brick	Dimension		
		(a) Length	IS:13757:1993 RA 2011	500-5000mm
		(b) Width	IS: 12894:2002 CPWD RA -2012	
		(c) Height	IS: 1077 :1992 RA 2011	
		Water absorption	IS:3495(Pt-2):1992 RA 2011	1-50%
		Efflorescence	IS:3495(Pt-3):1992, RA 2011	Qualitative
		Compressive strength, kg/cm ²	IS:3495(Pt-1):1992, RA 2011	Upto 40 Mpa
4.	Aggregate (Coarse/Fine)	Flakiness Index	IS:2386 (Pt-1):1963 RA 2011	0-60%
		Deleterious Materials	IS:2386(Pt-1&2):1963 RA 2011	0-60%
		Bulk Density	IS:2386 (Pt-3):1963 RA 2011	1000-3000 kg/m ³
		Specific Gravity	IS:2836(Pt-3) RA 2011	2-3
		Alkali Aggregate Reactivity		
		1.Reduction alkalinity	IS: 2386 (Pt-7)/1963 Ref.2011	1 -100 %
		2.Silica Released		
		Water absorption	IS: 2386 (Pt-3): 1963 RA 2011	0.2-5%
		Crushing Value	IS:2386(Pt-4):1963, RA 2011	10-60%
		Impact value	IS:2386(Pt-4):1963, RA 2011	10-60%
		Los Angeles Abrasion Value	IS:2386(Pt-4):1963 RA 2011	10-60%

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5.	Soil/Bentonite Powder	10% fine value	IS:2386(Pt-4):1963 RA 2011 BS 812(Pt-111)	5-50 ton
		Soundness	IS:2386(Pt-5):1963 RA.2011	1-15%
		Sieve Analysis	IS:2386(Pt-1):1963 RA 2011	0-100%
		Elongation Index	IS:2386 (Pt-1):1963 RA 2011	0-60%
		Organic Impurities test	IS:2386(Pt-2):1963 RA 2011	Qualitative
		Silt content, %, By Volume	IS:2386(Pt-2):1963 RA 2011	0-20 %
		Silt Clay silica& Fine Dust	IS2386(Pt-2)/1963 RA 2011	0-20%
		Liquid limit	IS: 2720(Pt-5):1985, RA 2010	1-50%
		Plastic limit	IS: 2720(Pt-5):1985 RA 2010	1-50%
		Heavy/Light Compaction	IS: 2720(Pt-7):1980 RA 2011	0.7-2.5 g/cc
		Optimum Moisture Content	IS: 2720(Pt-8):1983 RA 2010	1-30%
		CBR Value	IS:2720(Pt-16):1987 RA 2011	5-80%
		C & ϕ value	IS:2720(Pt-13):1986 RA 2011	5-50 ,0-0.5
		Grain Size analysis	IS 2720 (Pt-4):1985 RA 2010	4.75-45 micron
		Specific gravity	IS 2720(Pt-3):1980, RA 2011	1.0-3.0

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6.	Concrete/ Concrete Cube/Core/beam	Moisture Content	IS 2720(Pt-2):1973 RA 2010	0.25-50%
		Free Swelling Index	IS:2720(PT-40) 1977 RA 2011	0-700%
		Sand Content	IS:6186:1986 RA 2010	0-20%
		Marshcone Viscosity	MORTH, IS 6186	0-10
		Compressive strength	IS:516:1959 Ref 2008	5-80 N/mm ²
		Drying Shrinkage	IS:2185(Pt-1):2005 RA 2010 BS 1881 (Pt-1):1970	0-1 %
		Moisture Movement	IS:2185(Pt-1):2005 RA 2010 BS 1881(Pt-1):1970	0-1 %
		Water Permeability Test	DIN 1048(Pt-5)	2 - 100mm
		Rapid Chloride Ion Permeability Test	ASTMC 1202	50-4000 C
		Water Absorption	BS 1881(Pt-1):1970	0-15%
7.	Concrete Admixture	Flexural Strength	IS: 516:1959 RA 2008	2-10 N/mm ²
		Split Tensile Strength	IS : 5816:1999 RA 2008	1-10 N/mm ²
		Air content	IS:9103:1999 RA 2008	0.5-5%
		Water content	IS:9103:1999 RA 2008	0.5-20%

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		Bleeding Test	IS:9103:1999 RA 2008	0.5-10%
		Compressive Strength	IS: 9103:1999 , RA 2008 IS :516:1959, RA 2008	Upto 50N/mm ²
		Flexural Strength	IS: 9103:1999 RA 2008 IS :516:1959, RA 2008	Upto 20 N/mm ²
8.	Pre Cast Concrete/Hollow Blocks	Block Density	IS:2185(Pt-1&3): 2005, RA 2010 IS:15658:2006, RA 2011	500-2500 kg/m ³
		Compressive Strength, N/mm ²	IS:15658:2006, RA 2011	10 to 100Mpa
		Water absorption	IS:15658:2006, RA 2011	2 to 20%
		Dimension		
		Length	IS:15658:2006, RA 2011	200-600mm
		Width		200-400mm
		Thickness		20-200mm
		Abrasion Resistance	IS:15658:2006, RA 2011	0.5- 25mm
9.	Cement concrete Tiles/Blocks	Thickness of wearing Layer	IS:1237:2012 IS:13801:1993, RA 2011	1.0 - 25mm
		Wet Transverse Strength	IS:1237:2012 IS:13801:1993, RA 2011	Up to 20N/mm ²
		Water absorption	IS:13801:1993, RA 2011 IS:1237:2012 IS:2185(Pt-1&3) : 2005, RA 2010	2 - 20%

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		Dimension		
		Length	IS:1237:2012	200-600mm
		Width	IS:13801:1993, RA 2011	200-400mm
		Thickness	IS:2185(Pt-1&3): 2005, RA 2010	15-60mm
		Abrasion Resistance	IS:1237:2012 IS:13801:1993 RA 2011	0.5 -25mm
10.	Natural Stone	Specific Gravity	IS:1122:1974 RA 2013	1.0-2.5
		Compressive Strength, kg/cm ²	IS:1121(Pt-1):2013	Up to 800N/mm ²
		Moisture/Water absorption	IS:1124:1974 RA 2013	0.1-10%
		Scratch Hardness	IS:13630 (Pt-13): 2006, RA 2011	1-9 Mohs
		Transverse Strength	IS : 1121(Pt-2) 1974 RA 2003	Upto 50N/mm ²
		Durability	IS: 1126:1974	Qualitative
11.	Ceramic Tile (glaazed /unglaazed/ vitrified)	Dimension & Surface Quality	IS:13630 (Pt-1):2006 , RA 2011	100-1000mm
		Thermal shock	IS:13630 (Pt-5):2006, RA 2011	Qualitative
		Crazing Resistance	IS:13630 (Pt-9):2006 RA 2011	Qualitative
		Water absorption	IS:13630 (Pt-2):2006, RA 2011	0.0-30%
		Modulus of rupture	IS:13630 (Pt-6):2006, RA 2011	5 to 70 N/mm ²

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		Breaking Strength	IS 13630(Pt-6):2006, RA 2011	50 – 5000N
		Scratch Hardness	IS 13630:2006, RA 2011	1-9 Mohs
		Resistance to staining	IS 13630(Pt-8):2006, RA 2011	Qualitative
		Resistance to house Hold chemical	IS 13630(Pt-8):2006, RA 2011	Qualitative
		Resistance to acid/alkali	IS 13630(Pt-8):2006, RA 2011	Qualitative
		Coefficient of Thermal Expansion, at 100°C	IS: 13630(P-4):2006, Ref 2011	$9 \times 10^{-7} - 9 \times 10^{-5} / ^\circ\text{C}$
12.	Bitumen and Bitumenous Material	Penetration	IS: 1203:1978 RA 2009	10-300mm
		Softening Point °C	IS :1205:1978 RA 2009	10-100mm
		Ductility/ Elastic Recovery	IS :1208:1978 RA 2009 IS: 15462:2004, RA 2009	10-100mm
		Specific Gravity	IS :1202:1978 RA 2009	0.5-2.0
13.	Plywood/ Shuttering/Fire retardant /Marine plywood/Wood/ Timber	Dimensions	IS:303:1989, RA 2013	
		Length	IS:4990:2011	1000-3000mm
		Width	IS:5509:2000, RA 2010	500- 1500mm
		Thickness	IS:1328:1996, RA 2011 IS 710:2010	3-50mm
		Glue adhesion Test	IS:1734(Pt-5):1983 RA 2013	Qualitative

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		Modulus of rupture	IS: 1734(Pt:11)1983 RA 2013 IS:1708(Pt-5) 1986 RA 2013	5- 100N/mm ²
		Water Resistance test	IS:1734(Pt:6)1983 RA 2013	Qualitative
		Mycological test	IS:1734(Pt:7)1983 RA 2013	Qualitative
		Tensile strength, N/mm ² Parallel to grain	IS:1734(Pt:9):1983 RA 2013	5- 100N/mm ²
		Tensile strength, N/mm ² Perpendicular to grain	IS:1734(Pt :9):1983 RA 2013	5- 100N/mm ²
		Moisture Content	IS:1734(Pt:1)1983 RA 2013 IS: 1708(Pt-1) 1986 RA2005	0.5-30%
		Density	IS : 1708 (Pt-2):1986 RA 2003	300-100 kg/m ³
		Glue shear test	IS:1734 (Pt:4)1983 RA 2013	50-10000N
		Retention of preservatives	IS:2753 (Pt:1)1991 RA 2010	Qualitative
		Flammability test	IS:1734 (Pt:3)1983 RA2013	Upto 600 g
		Flame Penetration test	IS:1734 (Pt:3)1983 RA 2013	Upto 50 mm
		Rate of Burning	IS:1734 (Pt:3)1983RA 2013	Upto 60 min

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14.	Particle Board/Pre-laminated particle board	Moisture Content	IS: 2380 (Pt-3):1977 RA2013	0.5-30%
		Dimensions		
		Length	IS: 12823:1990 RA 2009	1000-3000mm
		Width	IS 3087:2005, RA 2010	500-1500mm
		Thickness		3-50mm
		Water absorption	IS: 2380(Pt-16):1977 RA 2013	0.0-100%
		Density	IS: 2380 (Pt-3):1977 RA 2013	300-1000 kg/m ³
		Screw with drawl strength, Edge	IS: 2380 (Pt-14):1977 RA 2013	400N- 25000N
		Swelling in water	IS: 12823:1990 RA 2009 IS 3087:2005, IS:2380:2010	0-300mm
		Modulus of rupture	IS: 12823:1990 RA 2009 IS 3087:2005 RA 2010 IS: 2380(Pt:4)1977 RA 20013	5-100N/mm ²
		Modulus of Elasticity	IS: 12823:1990 RA 2009 IS 3087:2005, RA 2010 IS: 2380 (Pt:4)1977 RA 2013	500-800 N/mm ²
		Tensile strength perpendicular to surface ,N/mm ²	IS: 12823:1990 RA 2009 IS: 2380(p:5)1977, RA 2013 IS 3087:2005,RA 2010	0.01-5N/mm2
		Tensile strength perpendicular to surface after Cyclic, N/mm ²	IS: 12823:1990 RA.2009 IS: 2380:1977 RA 2003 IS 3087:2005, RA 2010	0.05-5N/mm2

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Resistance to steam	IS: 12823:1990 RA2009	Qualitative
		Resistance to crack growth	IS: 12823:-1990 RA 2009	Qualitative
		Resistance to cigarette burn	IS: 12823:1990 RA 2009	Qualitative
		Resistance to stain	IS: 12823:1990 RA 2009	Qualitative
15.	Block board	Dimensions Length Width Thickness	IS: 1659:2004 RA 2009	1000-3000mm 500-1500mm 3-50mm
		Dimension change caused by humidity, mm	IS: 1659:2004,RA 2009	0.01-0-5mm
		Resistance to water	IS: 1659:2004,RA 2009	Qualitative
		Adhesion of plies	IS: 1659:2004,RA 2009	Qualitative
		Mycological test	IS: 1659:2004,RA 2009	Qualitative
		Modulus of rupture	IS: 1659:2004,RA 2009	5- 100N/mm ²
		Modulus of elasticity	IS: 1659:2004,RA 2009	500-8000N/mm ²
		Spot test	IS: 1659:2004,RA 2009	Qualitative
		Edge straightness& Squareness	IS: 1659:2004,RA 2009	0.01-10mm

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16.	Flush Door Shutter	Glue adhesion Test	IS:2202(Pt-1)1999,RA 2011	Qualitative
		End Immersion Test	IS:2202 (Pt-1):1999,RA 2011	Qualitative
		Knife Test	IS:2202(Pt-1)1999, RA 2011	Qualitative
		Dimensions		
		Length	IS:2202(Pt-1)1999, RA 2011	1000-3000mm
		Width		500-1500mm
		Thickness		20-50mm
		Straightness	IS:2202(Pt-1)1999, RA 2011	0.0-5mm
		Squareness	IS:2202(Pt-1)1999, RA 2011	0.0-5mm
II. PLASTICS, RUBBER AND LEATHER				
1.	Polymer/Rubber Products UPVC/HDPE Pipes & Fittings HDPE/LDPE /CPVC Pipe	Dimension	IS:12235 (Pt-1&2):2004, RA 2009	
		Outside diameter	IS:14151(Pt-1):1999 RA 2009	28-300mm
		Inside diameter	IS: 4984:1995, RA2008	300mm-600mm
		Wall thickness	IS:12818:2010,	0.1-25mm
		Socket length	IS :13592:1992. IS15778:2007	25-50mm
		Visual appearance	IS:4984:1995, RA 2008 IS:4985:2000, RA 2010 IS:2508:1984, RA 2008 IS14151(Pt:1):1999, RA 2009 IS14151(Pt:2):1999, RA 2008 IS:12818:2010, IS:10124 (Pt-2):2009	Qualitative

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		Reversion Test	IS: 12235 (Pt-5):2004, RA 2009 IS: 4984:1995, RA 2008,	0.2-20%
		Stress Relief Test	IS:12235 (Pt-6):2004,RA 2009	Qualitative
		Resistance to Chemical Action	IS: 12818: 2010	0.01- 0.5%
		Hydrostatic Pressure (Long/ Short terms)	IS:12235 (Pt-8):2009, IS:15770:2008 IS: 4984:1995, RA2008 IS:14151(P1)1999,RA2009	2 - 60 kg/cm ²
		Impact Resistance/Resistance to external blows	IS:12235 (Pt-9):2004, RA2009 IS:13592:1992, RA 2008	Qualitative
2.	Pipes/Films/ Sheets	Tensile Strength	IS 13360 (Pt-5) IS:2508:1984, RA 2008, IS10889:2004, RA 2011, IS :12818:2010	5-50 N/mm ²
		Elongation	IS 13360(Pt-5) IS:2508:1984,RA2008, IS:10889:2004,RA2011	5-800%
		Sulphated ash content	IS: 4985:2000,RA 2010	1-50%
		Carbon Blank content	IS: 2530:1963, RA. 2008	0.5-40.0%
		Carbon Blank Dispersion	IS: 2530:1963,RA 2008	Qualitative

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3.	UPVC/HDPE Pipes & Fittings	Density (Specific gravity)	IS:7328:2008, IS:12235(P-14/Sec-1) 2004, RA2009 IS:13360 (Pt-3)/sc-1)1995 RA 2003	0.5-2.5g/cc
		Melt Flow rate	IS: 2530-1963, RA 2008	0.01-20 gms/10min
		Fusion Compatibility Test on Fused pipes	IS: 14151(Pt 1):1999, RA 2009	Qualitative
		Leakage Test	IS: 14151(Pt 1&2):1999, RA 2009 IS:13592:1992, RA2008	2- 60kg/cm ²
		Weld ability Test on welded pipes	IS: 14151(Pt-1):1999, RA 2009	Qualitative
		Test for Internal Diameter	IS:12818:2010	Size 40-400mm
		Vicat Softening Temperature	IS:6307:1985,RA2008 IS :12235(Pt-2):2004, RA2 009	50-150°C
		Opacity Test	IS:12235:2004 IS: 12235 (Pt-3):2004, RA2009	0.001-2%
		Migration test	IS:9845:1998,RA 2010	0.1-200mg/l
		Clod bend Test	IS:15058:2002 RA 2013	Qualitative
4.	PVC Water stops	Hardness Shore A	IS :13360(Pt-5/S-11)1992 RA 2008	10-100A
		Water absorption	IS:15058:2002 RA 2013	0.01-10%
		Accelerated Extraction	IS:15058:2002 RA 2013	Qualitative

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		Effect of Alkali	IS:15058:2002 RA 2013	0.01-5%
		Tensile Strength	IS:8543(Pt-4/ Sec1):1984	2-100N/mm ²
		Elongation	IS:8543(Pt-4/ Sec1):1984	5-500%
5.	Rubber Hose /Rubber Product	Tensile Strength	IS:3400(Pt-1):2012	2-100N/mm ²
		Elongation	IS:3400(Pt-1)2012	5-800
		Resistance of lining to N Pentane	IS: 9573:2012	Upto 20%
		Adhesion kN/m	IS:3400(Pt-5):1986 RA 2008	0-50
III.	PAPER AND ALLIED PRODUCT	Substance	IS: 1060(Pt-1):1966 RA2009	50-600g/m ²
		Moisture Content	IS: 1060(Pt-1):1966 RA 2009	Upto 25%
		Ash	IS: 1060(Pt-1):1966 RA 2009	Upto 25%
		Breaking Strength	IS: 1060 (Pt-1):1966 RA2009	Upto 50 N/mm
		pH	IS: 1060(Pt-1):1966 RA 2009	3.0-12
IV.	MECHANICAL PROPERTIES OF MATERIALS			
1.	TMT/Structural Steel/Pipes &Steel Tubes / coupler/wire/ fasteners/ (Ferrous/ Non Ferrous)	Elongation	IS 1608:2005 RA2006	5-40%
		Tensile Strength N/mm ²	IS 1608:2005 RA 2006 ACI 308	Upto1000 kN
		Yield Stress/0.2% Proof , N/mm ²	IS 1608:2005 RA2006	Upto1000 kN

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		Bend	IS 1599:1985, RA 2006 IS 2329:2005, RA2001	Qualitative
		Re Bend	IS 1786:2008	Qualitative
		Flattening Test	IS 2328:2005	Qualitative
		Bond Requirement		
		A. Rib area by dimension measurement	IS 1786:2008	1min-50mm/cm ²
		B. Pull Out test	IS 2770(Pt-1):1967	5kg-200kg/cm ²
		Reverse Bend	IS 432(Pt-2):1982, RA2004	Qualitative
		Hardness test (Rock Well) HRB/HRC	IS 1586:2000, RA2006	HRB 20-100 HRC 20-70
		Hardness Test, vicker HV	IS 1501:2002	Load 1 - 50kgf Range upto-940HV
		Impact test (Izod)	IS 1598:1977, RA 2003	10-168J Upto- 25+ 1°C
		Impact test (Charpy)	IS 1757:1988, RA 2009	10-300J Upto 25+ 1°C
		Cupping Test	IS 10175:1992, RA 2003	0.1-25mm
		Wrapping test	IS 1755:1983, RA 2001	Qualitative

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		Dimension test	IS 2826:1996, RA 2006 IS 2676:1981, RA 2001 IS 2677:1979, RA 2001	0.1-300mm
		Mass	IS:1786:2008 IS:1730:1989 IS: 1732:1989 IS: 808:1989	Upto 100 kg
2.	HT Strand Wire	Breaking Load	IS: 14268:1995 IS: 1608:2005 RA2006	Upto 1000kN
		Elongation at break	IS: 14268:1995	0-10
		0.2% Proof Load	IS: 1608:2005 RA 2006	Upto 1000 kN
		Lay length	IS: 14268:1995	0.02-300mm
		Mass	IS: 14268:1995	Upto 15 kg
		Modulus of Elasticity Test	IS: 14268:1995 IS: 1608:2005 RA 2006	Upto 1000kN
V.	PORTABLE FIRE EXTINGUISHER	Fill Density	Cl.5.3of IS 15683:2006	0-200 g LC-0.0001g 0-100ml LC 1ml
		Pressure Requirement	Cl. 6 of IS 15683:2006	0-280kg/cm ² LC-2 kg/cm ²

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Performance requirement	Cl.7.1 of IS 15683:2006	0-100kg/cm ² LC-1 kg/cm ²
			Cl. 7.1 of IS 15683:2006	-30 to 55 °C
		Minimum effective discharge time and bulk range of discharge	Cl.7.2 IS15683:2006	0-15Min LC-0.1 Sec 5 meter. LC-1mm
		Resistance to temp. change	Cl.7.3 IS:15683:2006	-30to100°C
		Retention of charge	Cl.7.4 IS 15683:2006	-30to100°C
		Mechanical resistance	Cl.7.5.1 IS 15683:2006	Qualitative
		Resistance to impact	Cl.7.5.1 IS 15683:2006	Qualitative
		Resistance to vibration	Cl. 7.5.2 IS 15683:2006	0-60Hz, LC-7Hz 0-2mm,0.001mm
		External corrosion Salt spray test	Cl.7.6.1 IS 15683:2006	Qualitative
		Internal corrosion test	Cl.7.6.2 IS:15683:2006	Qualitative
		Tapping Test	Cl.7.7 IS15683:2006	0-999Min LC 1Min
		Intermittent Discharge Test	Cl.7.8 IS:15683:2006	-30to100°C

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Fire test	Cl.8 IS:15683:2006	Qualitative
		Construction requirement	Cl.9 IS:15683:2006	Upto 100 kg/cm ²
		Burst test	Cl. 9.2.2 of IS:15683:2006	
		Crushing Test	Cl.9.2.3 IS:15683:2006	0-150mm LC-0.01mm
		Cyclic pressure test	Cl. 9.2.5 of IS:15683:2006	Upto 100 kg/cm ²
		Compatibility of filler material with body	Cl.9.2.6.2 ,IS:15683:2006	Qualitative
		Thickness of the cylinder	Cl.9.2.6.3, IS 15683:2006	0-25mm LC-0.001mm
		Hydraulic Pressure Test	Cl.9.7.2 , IS 15683:2006	Up to 100 kg/cm ²
		Leakage Test	Cl.9.7.2 ,IS 15683:2006	Up to 100 kg/cm ²
		Air oven ageing test	Cl. 9.8.2 of IS:15683:2006	30-100 °C
		Plastic components	Cl.9.8 IS 15683:2006	Qualitative
		Ultraviolet Light exposure test	Cl. 9.8.3 of IS:15683:2006	0-100 ° C LC 0.1° C 50-100% RH
		Hose Assemblies	Cl.9.9 IS:15683:2006	5 meter. LC-1mm

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Safety Locking Device	Cl.9.11 IS 15683:2006	0-5000N LC-0.01N
		Pressure Gauge & indicator for low pressure extinguisher	Cl.9.12 IS 15683:2006	-30 to100 ⁰ C
		Special requirements for carbon dioxide extinguisher	Cl.9.14 IS 15683:2006	Up to 100 kg/cm ²
		Marking and colour	Cl.10 , IS 15683:2006	Qualitative
-X-X-X-X-X-X-X-X-X-X-X-X-				