

DETAILS OF TEST FACILITIES AVAILABLE AT NTH (NWR), JAIPUR

CIVIL DIVISION

PLYWOOD

<i>SI No</i>	<i>Description</i>	<i>Tests Available</i>	<i>Standard</i>
1	Plywood for General Purpose	Full Tests	IS:303-1989
2	Marine Plywood	Full Tests	IS:710-1976
3	Shuttering Plywood	Full Tests	IS:4990-1993
4	Fire Returdant Plywood	Full Tests	IS:5509-2000
5	Veneer Decorative Plywood	Full Tests	IS:1328-1996
6	Compregs Ply for General Purpose	Full Tests	IS:3513-1989 (Part 3)
7	Decorative Thermosetting Synthetic Resin Bonded Laminated Sheets	Full Tests	IS:2046-1995

BOARDS

<i>SI No</i>	<i>Description</i>	<i>Tests Available</i>	<i>Standard</i>
1	Block Board	Full Tests	IS:1659-2004
2	Particle Board	Full Tests	IS:3027-1985
3	Veneer Particle Board	Full Tests	IS:3097-1980
4	Prelaminated Particle Board	Full Tests	IS:12823-1990
5	Medium Density Fibre Board	Full Tests	IS:12406-2003

DOORS

<i>SI No</i>	<i>Description</i>	<i>Tests Available</i>	<i>Standard</i>
1	Flush Door	Full Tests	IS:2202-1999 (Part I) & IS:2202-1983(Part II) & All Tests as per IS:4020-1998
2	Moulde Raised High Density Fibre Panel Door	Full Tests	IS:3027-1985
3	PVC Door	Full Tests	IS:3097-1980
4	Panelled Door Shutter	Full Tests	IS:12823-1990

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WOOD

<i>Sl No</i>	<i>Description</i>	<i>Tests Available</i>	<i>Standard</i>
1	Identification of Wood	Full Tests	IS:4970-1973
2	Moisture Content in Wood	Full Tests	IS:287-1993
3	Testing of Wood	Full Tests	IS:1708-1986

MISCELLANEOUS

<i>Sl No</i>	<i>Description</i>	<i>Tests Available</i>	<i>Standard</i>
1	Bricks	Full Tests	IS:1077-1992
2	Natural Building Stone	Full Tests	IS:1121-1974
3	Concrete Paver Blocks	Full Tests	IS:15658-2006
4	Chemical Resistant Mortar	Full Tests	IS:4832-1969
5	Asbestos Cement Corrugated Sheet	Full Tests	IS:459-1992
6	Gypsum Board	Full Tests	IS:2098-1996
7	Precast Concrete Pipes	Partial Tests	IS:458-2003
8	Fibre Hard Boards	Full Tests	IS:1658-1977
9	Epoxy Resins	Full Tests	IS:9162-1979
10	Acid Resistant Bricks	Full Tests	IS:4860-1968
11	Marble Stone	Full Tests	IS:1130-1969
12	Asbestos Cement Pipe & Pipe Fittings	Full Tests	IS:1626-1990
13	Toughened Safety Glass	Partial Tests	IS:2553-1990 (Part 3)
14	Synthetic Resin Bonded Laminates	Full Tests	IS:1998-1962
15	Asbestos Cement Flat Sheets	Full Tests	IS:2096-1992
16	Asbestos Cement Building Blocks	Full Tests	IS:2098-1997

TILES

<i>Sl No</i>	<i>Description</i>	<i>Tests Available</i>	<i>Standard</i>
1	Flooring Tiles (Terrazo)	Full Tests	IS:1237-1980
2	Chequered Tiles	Full Tests	IS:13801-1993
3	Pressed Ceramic Tiles	Full Tests	IS:622-2006
4	Acid Resistant Tiles	Full Tests	IS:4457-1982

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CEMENT

<i>Sl No</i>	<i>Description</i>	<i>Tests Available</i>	<i>Standard</i>
1	OPC 33 Grade	Full Tests	IS:269-1989
2	OPC 33/43S Grade	Full Tests	IS:8112-1989
3	OPC 53 Grade	Full Tests	IS:12269-1987
4	PPC (Portland Slag Cement)	Full Tests	IS:1489-1991
5	White Cement	Full Tests	IS:8042-1989
6	PSC	Full Tests	IS:455-1989
7	Rapid Hardening Cement	Full Tests	IS:8041-1990
8	Hydrophobic Portland Cement	Full Tests	IS:8043-1991
9	Magnesium Oxychloride Composition	Full Tests	IS:658-1982
10	Fly Ash	Full Tests	IS:3812-1989
11	Calcined Clay Pozzolona	Full Tests	IS:1344-1989
12	High Alumina Cement for Structural Use	Full Tests	IS:6452-1989
13	Super Sulphated Cement	Full Tests	IS:6909-1990

CONCRETE

<i>Sl No</i>	<i>Description</i>	<i>Tests Available</i>	<i>Standard</i>
1	Cement Concrete Cubes	Full Tests	IS:516-1959
2	Coarse & Fine Aggregates	Full Tests	IS:383-1970
3	Concrete Mixed Design	Full Tests	IS:456-200
4	Concrete Chemicals	Full Tests	
	a) Water Proofing Compound	Full Tests	IS:2645-2003
	b) Concrete Admixture	Full Tests	IS:9103-1999
	c) Curing Compounds	Full Tests	ASTM
5	Pull Out Test	Full Tests	IS:1770-1967

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PLASTIC DIVISION

<i>SI No</i>	<i>Description</i>	<i>Tests Available</i>	<i>Standard</i>
1	HDPE Pipes for Water Supply	Full Tests	IS:4984-1995
2	PVC Pipes for Potable Water Supply	Partial Tests	IS:4985-2000
3	Irrigation Equipments – Sprinkler Pipes	Full Tests	IS:14151-1999 (Part I)
4	Irrigation Equipments – QC Pipes	Full Tests	IS:14151-1999 (Part II)
5	Irrigation Equipments – Polyethylene Pipes for Irrigation Laterals		IS:12786-1989
6	High Density Polyethylene Pipes for Sewerage		IS:14333-1989
7	Containers for Packaging of Natural Mineral Water & Packaged Drinking Water		IS:15410-2003
8	Water Storage Tanks		IS:12701-1996
9	Polyethylene Bags for General Purpose		IS:9738-2003

RUBBER DIVISION /LABORATORY

<i>SI No</i>	<i>Description</i>	<i>Tests Available</i>	<i>Standard</i>
1	Rubber Sealing Rings for Gas Mains, Water Mains & Sewers	Full Tests	IS:5382-1985
2	Methods of Tests for Vulcanised Rubber	Full Tests	IS:3400 (Part 1, 2, 4, 5, 6, 9, 10, & 14)

MECHANICAL DIVISION

<i>SI No</i>	<i>Description</i>	<i>Tests Available</i>	<i>Standard</i>
1	Steel Tubes for Mechanical & General Engineering	Full Tests	IS:3601-1984
2	Adjustable Auxiliary Crutches	Full Tests	IS:5143-1988
3	Brass Tubes for General Purposes	Full Tests	IS:407-1981
4	Free Cutting Leaded Brass	Full Tests	IS:319-1989
5	Galvanized Steel Sheets	Full Tests	IS:277-2003

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MECHANICAL DIVISION

<i>Sl No</i>	<i>Description</i>	<i>Tests Available</i>	<i>Standard</i>
6	Portable Fire Extinguisher, (Dry Powder Type)	Full Tests	IS:13849-1993
7	Grey Iron Casting	Full Tests	IS:210-1993
8	Steel Pipe for Water & Sewage	Full Tests	IS:3589-2001
9	Hollow Steel Sections for Structural Purposes	Full Tests	IS:4923-1997
10	Bright Steel Bars	Full Tests	IS:9550-2001
11	Centrifugally Cast Iron Pressure Pipes	Full Tests	IS:1536-2001
12	Reverse Bend Test	Full Tests	IS:1716-1985
13	Stainless Steel Bars & Flats	Full Tests	IS:6603-2001
14	Mild Steel & Medium Tensile Steel Bars & Hand Drawn Steel Wires	Full Tests	IS:432-1982 (Part II)
15	Brineel Hardness Test for Metallic Materials	Full Tests	IS:1500-1983
16	Vickers Hardness Test for Metallic Materials	Full Tests	IS:1501-2002
17	Rockwell Hardness Test for Metallic Materials	Full Tests	IS:1586-2000
18	Hot Rolled Steel Flat Products for Structural Forming & Flanging Purposes	Full Tests	IS:5986-2002
19	Steel Tubes for Structural Purposes	Full Tests	IS:1161-1998
20	Steel for General Structural Purposes	Full Tests	IS:2062-1999
21	Steel Tubes used for Water Wells	Full Tests	IS:4270-2001
22	Steel Tubes for Bicycle & Cycle Rickshaw	Full Tests	IS:2039-1991
23	Cold Rolled Low Carbon Steel Sheets & Strips	Full Tests	IS:513-1991
24	Fire Extinguisher (Carbon Di Oxide Type)	Full Tests	IS:2878-2004
25	Deep Well Hand Pumps, Components & Special Tools	Full Tests	IS:15500-2004 (Part 1 to 8)

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CHEMICAL DIVISION

<i>Sl No</i>	<i>Description</i>	<i>Tests Available</i>	<i>Standard</i>
1	Packaged Drinking Water	Full Tests except Radioactive Parameters	IS:14543-2004
2	Cement Testing	Full Tests for All types of Cement	Relevant IS Specifications
3	Metal Testing	All Elements by Classical & Optical Emission Spectroscopy	Relevant IS Specifications
4	General Organic & Inorganic Chemicals	By Classical & Instrumental methods	Relevant IS Specifications
5	Sarson Seeds	Oil Content	IS:3579-1966
6	Edible Oils	Full Tests	IS:546-1975
7	Laundry Soap	Full Tests	IS:285-1992
8	Aluminum Ferric	Full Tests	IS:299-1989
9	Ores & Minerals	Full Tests	Relevant IS Specifications
10	Concrete & Mortar samples	Ratio of ingredients	ASTM – C-85-66
11	Pozzolanic Material	Full Tests	IS:3812-2003 (Part I)
12	Metal Coatings (Anodizing, Zn & Sn)	Chemical Tests	IS:2633-1986 IS:2629-1985
13	Preservative in Wood Samples	Chemical Tests	IS:12120-1987 IS:1659-2004
14	Polymer Identification	By F.T.I.R	
15	Residual Pesticides in Traces	By G.C.M.S	

ELECTRICAL DIVISION

<i>Sl No</i>	<i>Description</i>	<i>Tests Available</i>	<i>Standard</i>
1	Examination & Tests of PVC insulated Sheathed Cable	Full Tests	IS:694-1990 with amendments 1, 2 & 3
2	Examination, Measurement & tests of PVC insulated Sheathed Armoured Cable	Full Tests	IS:1554-1988 (Part I)
3	Examination, Measurement & tests of XLPE insulated & PVC Sheathed Armoured Cable	Full Tests	IS:7098-1988 (Part I)

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ELECTRICAL DIVISION

<i>Sl No</i>	<i>Description</i>	<i>Tests Available</i>	<i>Standard</i>
4	Examination, Measurement & complete Tests of Aluminum Conductor used for overhead	Full Tests	IS:398 (Part 2)
5	Determination of Electric Strength of Insulating Oils	Full Tests	IS:6792-1992
6	Examination & Resistance Test of Linned Coated Fuse Wires used in Rewirable Type of Fuses	Full Tests	IS:9926-1981

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