

DETAILS OF TEST FACILITIES AVAILABLE AT NTH(NER), GUWAHATI

1. Civil Division

S.No	Product Name	As per Specification	Remarks
1.	OPC 33 Cement OPC 43 Cement OPC 53 Cement	IS : 269 IS : 8112 IS : 12269	Full Tests
2.	PPC Cement	IS : 1489	Full Tests
3.	WPC Cement	IS : 8042	Full Tests
4.	Rapid Hardening Portland Cement	IS : 8041	Full Tests
5.	Pulverized Fuel Ash	IS : 3812	Full Tests
6.	C.C. Cubes	IS : 516	Partial Tests (Compressive Strength)
7.	Burnt Clay Building Bricks	IS : 1077	Full Tests
8.	Fly ash Bricks	IS : 12894	Full Tests
9.	Paving blocks	IS : 15658	All Tests other than Optional tests
10.	Hollow & Solid Concrete Blocks	IS : 2185 (Part 1)	Partial Tests (Dimensions, Block Density, Compressive Strength & Water Absorption)
11.	C.C. Flooring Tiles	IS : 1237	Full Tests
12.	Ceramic Tiles	IS : 15622	Partial Tests (Dimensions, Water Absorption, Modules of rupture & breaking strength, Cracking resistance)
13.	Coarse Aggregate	IS : 383	Full Tests
14.	Fine Aggregate	IS : 383	Full Tests
15.	Concrete Masonry Unit (Preformed Foam Cellular Concrete Blocks)	IS : 2185 (Part4)	Partial Tests (Dimensions, Block Density, Compressive Strength & Water Absorption)
16.	Chequered Cement Concrete Tiles	IS : 13801	Full Tests

2. Mechanical Division

SI No.	Product Name	As per Specification	Remarks
1	<i>High strength deformed bars (0-32 mm)</i>	IS:1786	<i>All tests</i>
2	Structural Steel	IS:2062	All tests up to 25mm except charpy v-notch test
3.	G.I. Pipes	IS:1239 (Part-1)	Full Tests

3. Chemical Division

Sl. No.	Item/Product (Chemical Testing)	As per Specification	Remarks
1	<i>Admixture</i>	IS:9103	Full tests
2	Aluminium (Anodic coating)	IS:1868	-
3	Aluminium (Powder coating)	IS:101	-
4	Zinc coating (GI wire)	IS:278	-
5	Zinc coating (Fitting pipes)	IS:278	-
6	Aggregates	IS:2386	All tests except Coal & Lignite material
7	Clay	IS:1344	Full tests
8	Water for Construction purposes	IS:456	Full tests
9	Cement (OPC)	IS:8112	All tests except Na ₂ O
10	Cement (PPC)	IS:1489	Full tests
11	TMT bar (C,S and P only)	IS:1786	Full tests
12	Lime (Cao,Mgo,LOI,)	IS:1514	-
13	Lime Stone (SiO ₂ ,CaO,MgO,Al ₂ O ₃ ,Fe ₂ O ₃)	IS:1760	-

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