**LIST OF IN HOUSE TESTING EQUIPMENTS**

* Compressive Strength Testing machine- 200 M.T. Capacity
* Reversible Thermal Expansion Upto 1000 Deg.C
* Permanent Linear Change Furnace-15000C
* Permanent Linear Change Furnace-17500C
* Muffle Furnace- 12000C
* Drying Oven : 3000C
* Digital Controller Drying Oven : 3000C
* Planetary Mixture
* Sieve Set (BIS)
* Gang Moulds( As per BIS & ASTM)
* Flexural Strength
* Physical Balance
* Chemical Balance
* Platinum Crucible
* Gas Burner
* Distillation Plant
* Vibrating Table for Casting Mould
* Hydrometer
* Thermal Conductivity Testing Machine (10000C & 13000C )
* Digital CCS Machine -250 KN
* MOR- 4 KN & 10 KN
* Electronic Balance (2Kg)
* Digital Vernier
* Humidity Cabinets With 90% Relative Humidity
* Spectrophotometer
* Pyrometric Cone Equivalent upto 2000 Deg.C
* Refractory Under Load upto 1600 Deg. C
* Core Drill
* Spectrophotometer

**TEST CONDUCTING AT OUR LAB.**

* Chemical Analysis
* Sieve Analysis
* Bulk Density
* Specific Gravity
* Apparent Porosity
* Water Absorption Test
* Acid Resistant Test
* Cold Crushing Strength
* Flexural Strength/MOR
* Bond Strength
* Absorption in Toluene Testing
* Heating & Firing in different Temp. for evaluation of compressive strength
* Drying Shrinkage.
* Thermal Conductivity
* PLC upto 1500o C
* Reversible Thermal Expansion upto 10000C
* Setting Time
* Thermal Conductivity
* Pyrometric Cone Equivalent (PCE)
* RUL
* Spalling Cycle Test