

# Mini Steel Plant

## Description:

### **Mini Steel Plant. Production of TMT Bars, Flats, Angles, Channels and Girder. Steel Long Products Manufacturing Business**

Steel is an alloy of iron and carbon containing less than 2% carbon and 1% manganese and small amounts of silicon, phosphorus, sulphur and oxygen. Steel is the world's most important engineering and construction material. It is used in every aspect of our lives; in cars and construction products, refrigerators and washing machines, cargo ships and surgical scalpels.

Mini steel mills are normally secondary steel producers located near consumer markets & based mainly on steel/iron scrap of different grades. The mini steel plant comprises of steel melting using induction furnace or electric furnace to melt scrap & sometimes mix of scrap and sponge iron/DRI; the billet making machine or CCM (continuous casting machine) to cast billets for further rolling of mainly of mainly long products.

Thermo-Mechanically Treated Bars, (TMT Bars), are Extra High Strength Reinforcing bars which replacing any form of cold twisting, the technology of yesteryears. In this process, the steel TMT bars receive a short, intensive cooling as they pass through the specially resigned Tempcore Water Cooling System after the last Rolling Mill Stand. The sudden quenching converts the surface layer of the steel bar to a hardened structure.

**For more details download PDF file.**

**Keywords:** #Steel\_Plant, #Starting\_a\_Steel\_Mini\_Mill, #Mini\_Steel\_Plant, #Steel\_Industry, Long Steel Products, Steel Products, Indian Steel Industry, #Manufacturing\_Process\_of\_Long\_Products, Steel Production, Flat and Long Steel Products, Steel Production In India, #Steel\_Manufacturing\_Process\_PPT, Manufacture of Steel Long Products, How are TMT Bars Manufactured, Start your Steel Mill Business, #TMT\_Bars\_Manufacturing\_Process, TMT Bars Manufacturing Business, TMT Steel Bars, What is the Manufacturing Proc

**Created At:** 29 May, 2019