

TMT (Thermo Mechanically Treated) Steel Bars, Angles and Pipes Manufacturing Business

Description:

TMT (Thermo Mechanically Treated) Steel Bars, Angles and Pipes Manufacturing Business. Production of Steel Products. Profitable Business Ideas in Steel Industry

Thermo-mechanically treated (TMT) steel bars are manufactured using the metallurgical process which combines mechanical deformation such as compression, forging, and rolling with thermal processes such as heat treatment and quenching. In the thermal mechanical treatment process, a freshly rolled steel rod, which is at a high temperature, is rapidly cooled and its periphery, creating a hard material layer called martensite.

TMT bars are one of the most widely used materials used in the construction industry. With a unique metallurgical process that combines work hardening along with heat-treatment to create robust and high strength bars from low-carbon steel, TMT bars have a great demand. Given below are the advantages and applications of these bars. TMT bars are widely used in the constructing buildings and other concrete structures. These bars are used to reinforce the concrete. Concrete has good compressive strength but poor tensile strength. This is why TMT bars are required for additional reinforcement. TMT bars forms a strong bond with the concrete. Also, it has thermal capability which makes the TMT bars resistant to fire accidents.

For more details download PDF file.

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