

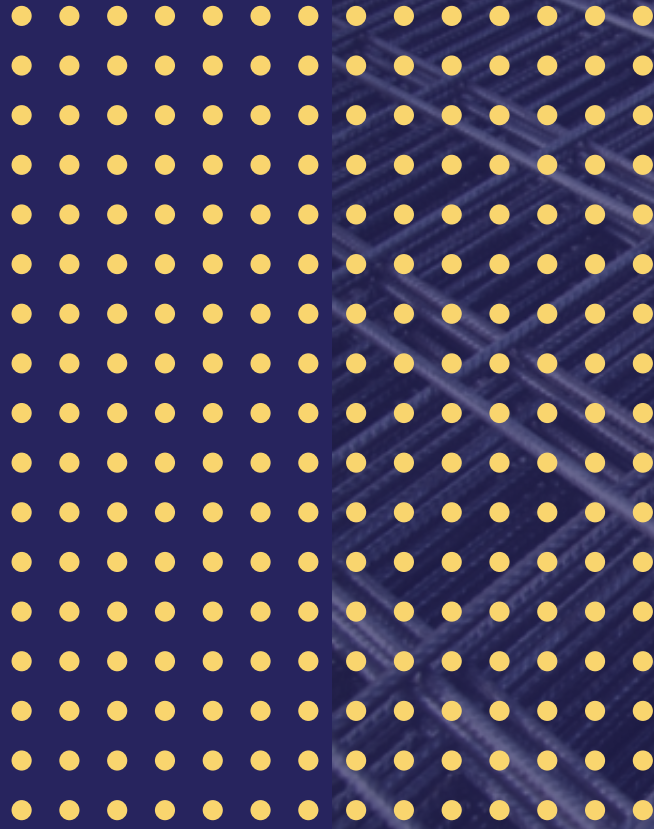


BRAHMAM




TMT RODS

**HEAVY WEIGHT
HEAVY DUTY
HEAVY STRENGTH**



 9095617221/9688017777

 contact@brahmamtmt.in

 S.F No. 78/3, plot No.3, Ganapathy
Nagar, Suleswaranpatti,
Pollachi-642006



CONTENT

1. INTRODUCTION
2. MISSION & VISION
3. BUSINESS ETHICS
4. CORE VALUE
5. CORPORATE POLICIES
6. PROCESS
7. FEATURES OF BRAHMAM TMT
8. PRODUCTS

WELCOME TO OUR COMPANY

To the normal world, we are TMT Bars Manufacturers. To those who know us, we are Brahmam – like our name suggests –the source of absolute power (TMT Rods) that strengthens and sustains your universe i.e., your dream homes and spaces.

Brahmam TMT had a humble beginning in the year 2008 as traders of steel scrap in Pollachi, Tamil Nadu. Driven by passion, we have emerged as one of the most competitive Steel bars manufacturing companies in India. In a short span of 12 years, we have carved a niche by establishing various business units across a broad spectrum of industries encompassing Steel Manufacturing and Processing and Imports.

We, at Brahmam, stand rooted in our core values of Sustainability, Excellence, Quality, Leadership, and Innovation. We uphold our commitment towards the health, safety, and holistic wellness of our employees, contractors and the related communities. We are devoted to towards judicious management initiatives for the environment and of resources and promote sustainability to the best of our abilities.

OUR MISSION

Strategically expand activities to cater to the customers' dynamic needs. Drive profitable ROI while contributing towards the economic growth of the organization and national economy.

OUR VISION

To emerge as an economically strong and socially responsible organization that is at the helm of constant development and become the primary preference for national and global customers.

HEAVY WEIGHT. HEAVY DUTY. HEAVY STRENGTH



BUSINESS ETHICS

Being one of the leading TMT manufacturers in India, what sets us apart is our approach to business. We believe, our strength and the most valued investment is 'OUR PEOPLE.' We are what we are today because of the people we have. The sheer dedication, skill and goodwill of our workforce have helped us scale great heights.

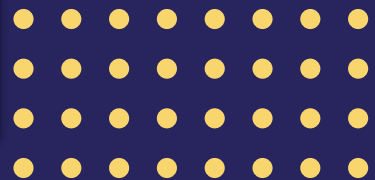
This dedication has furthered translated into our successful initiative - Corporate Social Responsibility (CSR). We are continuously evolving to develop breakthrough steelmaking technologies that are environment- friendly. Along with our initiatives for the betterment of the neighbourhood communities, we focus on employee development schemes to strengthen and dynamically improve the well-being of the employees and staff members.

CORE VALUE

Our core values are a reflection of our belief system. We strive to uphold our foundational values are aligned to our goals and are shared by our employees. We strongly believe the following qualities are essential for an organization to succeed. Brahmam's success can be attributed to the framework comprising of:



- Dedication and Commitment
- Creativity and Innovation
- Customer Satisfaction
- Stakeholder Satisfaction
- Environmental Concern



HEAVY WEIGHT. HEAVY DUTY. HEAVY STRENGTH



CORPORATE POLICIES

Being an industry leader, we recognize the responsibilities we possess towards the society, the environment and every human in general. We deem it our utmost regard to reflect our company's core values in every service we undertake; professionally, socially and economically. Our corporate policies are created over the belief "Equal responsibility towards to one and all;" we leave no stone unturned in contributing to the society in every way we can.



ENVIRONMENTAL POLICIES

In our attempt towards promoting sustainability, our carefully drafted environmental policy includes initiatives such as **Water Harvesting, Afforestation Drives, Maintaining Green Cover, Dust Suppression System, Emission Control System.** We further adhere to all environmental norms laid by the government with conviction.

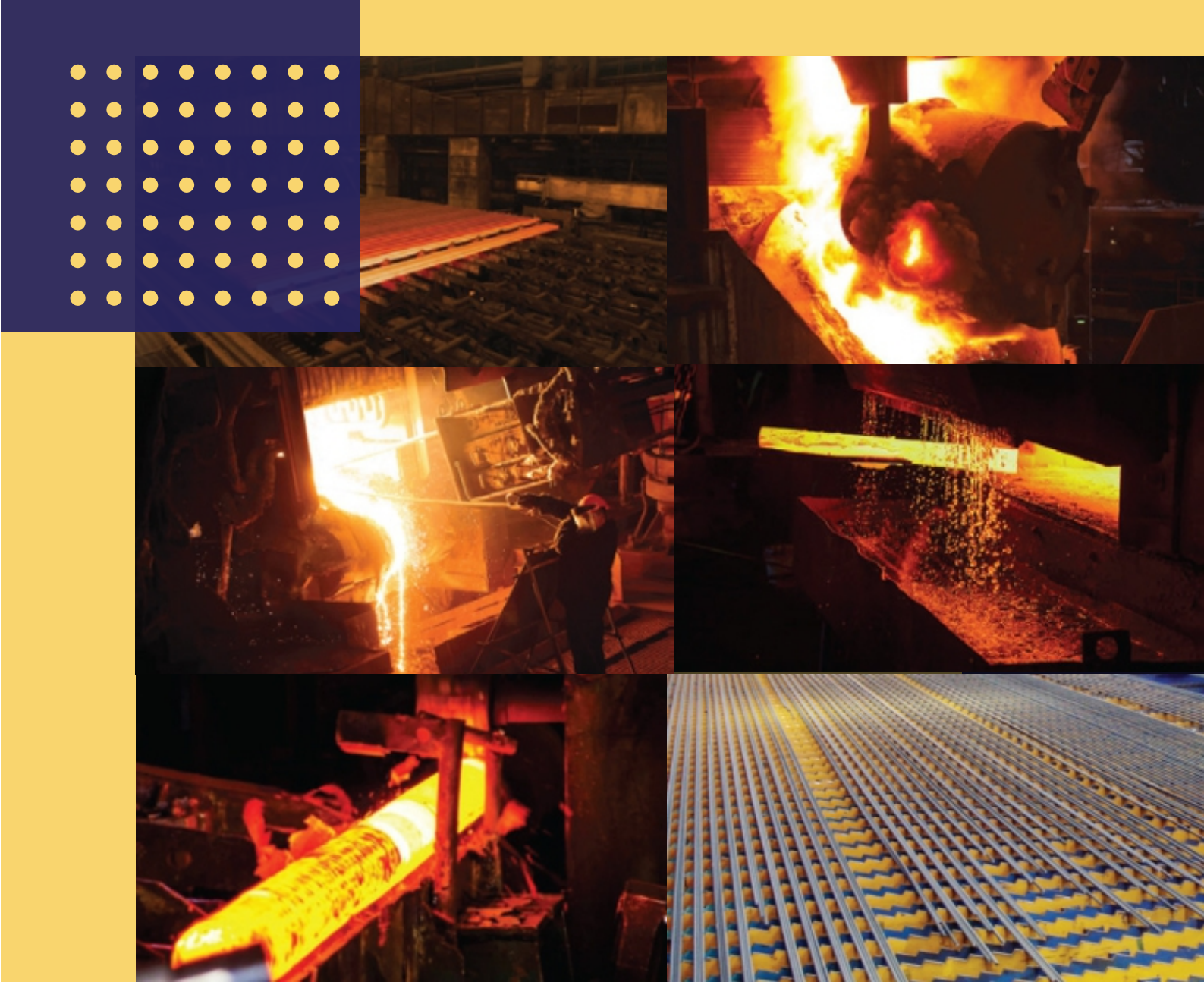
SAFETY POLICIES

We consider our workforce no different than our family; their safety and wellness is our priority. The company follows a "Zero Accident Policy" policy through diverse measures to ensure a safe and healthy working environment encompassing the following services: **24hrs Emergency Vehicle Availability, Safety Drills, First Aid Facilities, Associated Hospitals for faster and prearranged treatments**



QUALITY POLICIES

We are committed to serving our customers with the products that exceed our quality standards. At every step in the process, we build a strong customer relationship by offering additional perks on basis of goodwill. The employees who uphold our work standards, and fulfil our evaluation criteria are rewarded with incentives and bonuses as an action of gratitude and motivation.



PROCESS AT BRAHMAM TMT

At Brahmam, we follow a scientifically tested and proven process. The rigid industrial standards coupled with the latest technological advancements help us in producing products of consistent superior standards that are sought after globally.

1. IRON MAKING

Mined Coal and Virgin Iron Ore and coal are shipped to the plant for DRI where Iron Ore is reduced using Coal at 1150°C in Rotary kilns.

2. STEEL MELT SHOP

- DRI, Pig Iron and Ferro Alloys are added in furnaces and melted at 1650°C.
- The molten metal after removal of slag is taken to LRF for removal of unwanted Sulphur and Phosphorus.
- Then the molten and refined steel is solidified into high-quality billets.

3. ROLLING MILL

- The G20 billets are directly charged to the High UTS Quenching and Self Tempering (HURST) rolling mill where it reduced to bars or 1050°C.

4. QUENCHING

- The hot-rolled bars are rapidly cooled with RO water through special spray nozzles.
- This helps in the formation of Martensite rim with a hardened outer layer while the core remains hot.

5. SELF - TEMPERING

- Heat transfers from the hot core to the surface, tempering the outer Martensite rim and an intermediate ring of Martensite and Binatite is also formed.
- This is known as the Tempcore process.

6. ATMOSPHERIC COOLING

- The bar is cooled slowly at the automatic cooling bed, where the core is transferred into a ductile Ferrite- Pearlite structure.
- The stronger surface with a ductile core gives Brahmam TMT Rods its unique characteristic.



FEATURES OF BRAHMAM TMT BAR

- Low carbon content
- Longevity
- Weldability & Excellent Ductility
- High Corrosion Resistance
- Easy Bendability with Re-Bending & Reverse Bending
- Can be Butt-welded/ Lap Welded
- High Yield for Stress and Ultimate Tensile Strength
- High Prolongation Rate & Percentage Elongation
- Ideal for Concrete structures
- Quality is unaffected even at high temperature
- Usage of multi-variant TMT re-bars ensures 15-17% savings in steel.



BENDABILITY

Brahmam TMT Rods can be bent around very small mandrels of 2D and 4D respectively without problems, making it an advantage for using at construction sites.



HIGHER CORROSION RESISTANCE

Perfect control of the TMT process results in a uniform and thick tempered martensitic rim free from internal stresses. This makes it increasingly corrosion resistant. The rod also possesses improved fatigue strength when compared to traditional cold twisted bars.



EXTRA STRENGTH

With zero compromises on ductility and bendability, our TMT manufactures the strongest bars that are preferred globally.



SUPERIOR SEISMIC RESISTANCE

Studies conducted to evaluate Brahmam TMT Rods had a higher UTS/YS ratio in absorbing a large amount of energy during cyclic loading, experienced at the time of the earthquakes. This indicates uniformly maintained ductility, making our rods a perfect choice for earthquake-prone zones.



CONSISTENT QUALITY

BRAHMAM TMT RODS are made using high end automated machines right from hot charging of billets to Caster, Rolling Mill, Automatic Cooling Beds and Bending Machines, resulting in high quality consistent products.



CAPACITY

Versatility and Flexibility are characteristics of our workforce comprising of experts and skilled technicians which is reflected in our capacity to accept and deliver any size of the order.



ONLINE QUALITY CONTROL

PLC to record temperature of TMT bar from the time of entry in Rolling Mill to finishing strand, ensuring rolling at optimum and controlled temperatures



WELABILITY

Our TMT bars possess low susceptibility to heat affected zone brittleness and hydrogen-induced cracking. This helps them retain their efficiency with no loss of strength at joints when welded. Our reinforcement bars ensure excellent weldability irrespective of the method used and do not require pre or post-heating.



**STRENGTHENING DEVELOPMENT AT THE INTERSECTION
OF ENVIRONMENT, INNOVATION AND TECHNOLOGY**

STRENGTH. SATISFACTION. SUSTENANCE.

After years of rigorous research and several laboratory trials, we have cracked the formula for manufacturing the most tenacious TMT. We proudly associate the effectiveness of our TMT with the three 'S' that'll make you say a YES!



STRENGTH – Stronger than the normal tmt.

SATISFACTION – The feeling of security in knowing you have chosen the best.

SUSTENANCE – The best quality without an environmentally destructive process.

OUR PRODUCTS

TMT bars have become a common constituent in any modern structure, along with concrete and bricks. Beyond a raw material, TMT bars can be used in the making of Beams, Columns, Grids, Slabs and more. Due to their ability to retain their corrosion resistance and anti-rust properties, they are also used in the making of secondary microstructures.

It is important to note that TMT bars are made of highly regulated materials. Even a slight interference in their composition can result in lasting damage on structures or their operational longevity. The Indian protocol differs from the International Standards specified in ISO 6935-2. This is done by taking into local consideration of factors such as earthquake-prone areas, rainfall, characteristics and more. It is essential to buy the best TMT rods which adhere to BIS Standards of IS 1786: 2008; these have ISI marks that assure their authenticity.



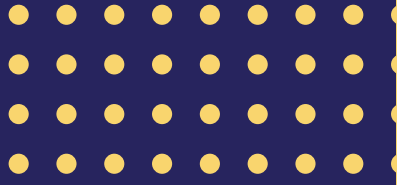
FE 500

Fe 500 bars can be utilized over a scope of private, business and multi-story ventures. They offer more noteworthy rigidity than Fe 415 and are exceptionally produced to give solidness to skyscraper ventures while opposing burden better.

Fe 500D bars offer more prominent pliability, making them ideal for development in territories with high seismic movement and abrupt burdens. They have a prevalent least rate prolongation of 16%, contrasted with that of Fe 500's at a standard 12%.



FE 500 D



Perfect choice for mechanical and foundation ventures with an enormous arrangement. Scaffolds, mechanical undertakings, and structures requiring high burden-bearing limits can use Fe 550 grade TMT. They're best suitable for beachfront, marine and underground conditions too.

FE 550



CHEMICAL COMPOSITIONS OF FE500, FE500D, FE550 TMT GRADE RODS

Constituent	Fe500	Fe500D	Fe550
Carbon	0.3	0.25	0.3
Sulphur	0.055	0.04	0.055
Phosphorus	0.055	0.04	0.05
Sulphur + Phosphorus	0.105	0.075	0.1

HEAVY WEIGHT. HEAVY DUTY. HEAVY STRENGTH