



MANGAL TMT STRENGTH OF ANDHRA

AP'S FIRST MINI-INTEGRATED
STEEL PLANT

MANGAL TMT Fe 350 D 25 565477



Mangal TMT, known as the "Strength of Andhra," is a pioneering mini integrated steel plant in Andhra Pradesh. Produced by Maa Mahamaya Industries Limited (MMIL), Mangal TMT has consistently prioritized rigorous quality checks, ensuring excellence from the start of the manufacturing process until the finished product. With a commitment Building Trust through Quality Assurance," Mangal TMT truly embodies the strength and resilience of Andhra Pradesh.





STRENGTH



ECO-FRIENDLY



BENDABLE



**RESISTANCE TO
CORROSION
AND RUST**



**RESISTANCE
TO EARTHQUAKES**

MANGAL TMT Fe550 D 665477

PRODUCTS:

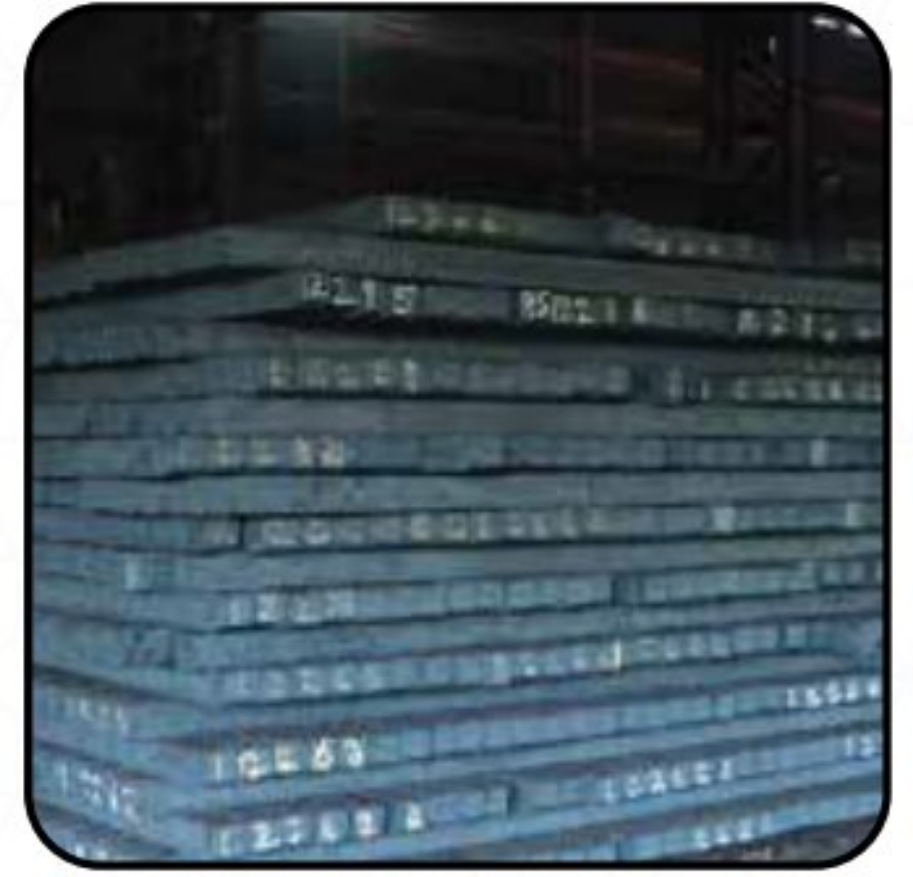
Mangal TMT offers a range of products, including TMT Rebars, Billets, Sponge Iron, Bricks and Blocks. These products are produced through the primary Steel Melting route using the best quality Iron Ore and Imported Coal. The production process involves processing through a DRI Plant, Induction Furnace (IF), Ladle Refining Furnace, and then continuously casting into Billets.



TMT Rebars



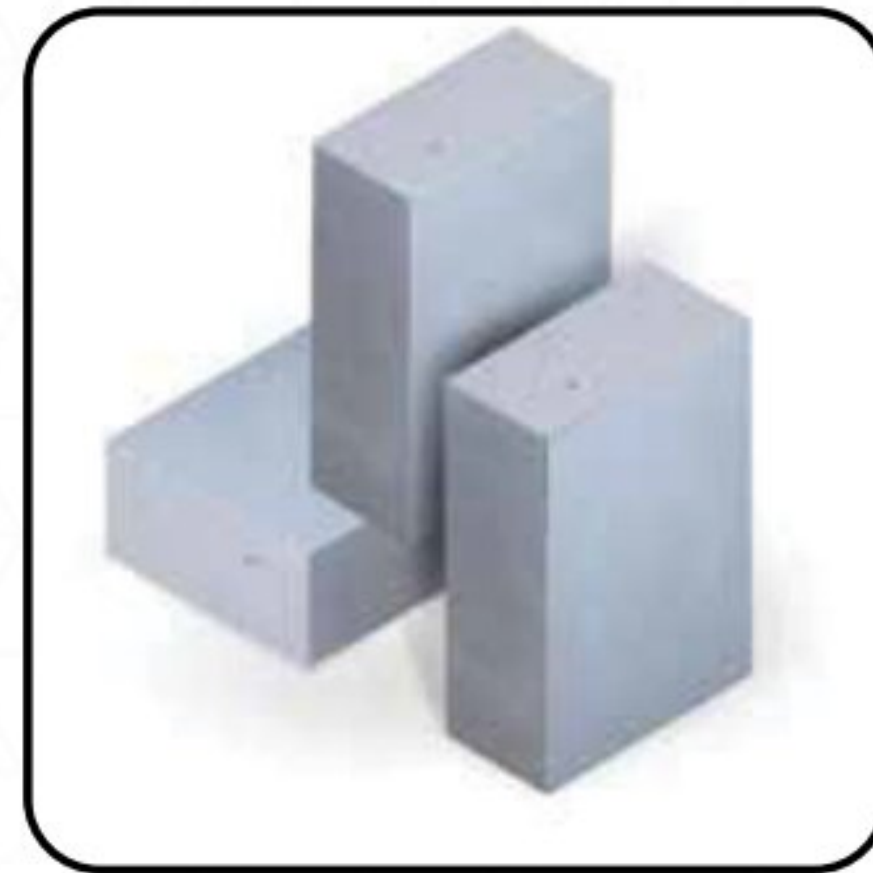
Sponge Iron



Billets



Ash Bricks



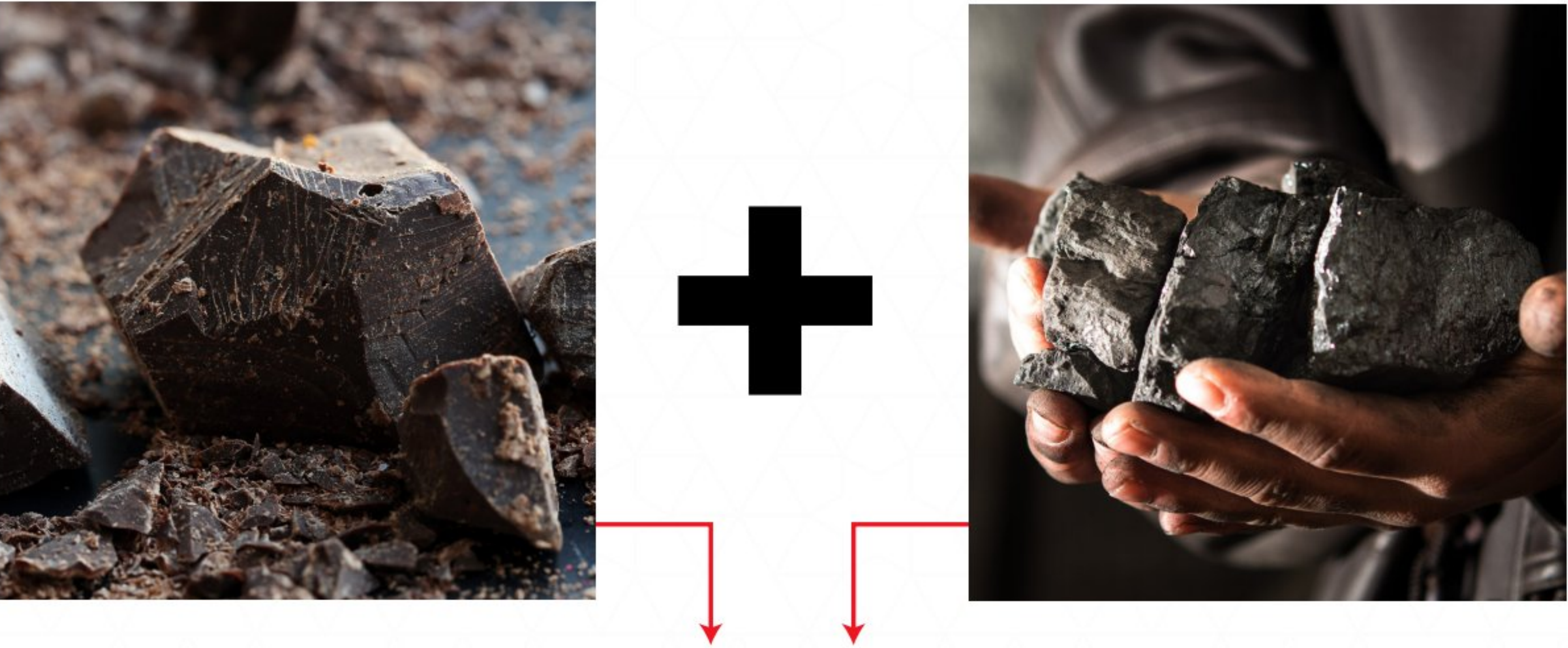
Bricks & Blocks



Raw materials we use:

Iron Ore from NMDC Bachel Mines which is considered to be one of the best in the world.

Imported Coal from South Africa



CHEMICAL COMPOSITION UNDER PRODUCTS		
Element	IS: 1786 Fe 550D	Mangal TMT Fe 550D
Carbon(%)	0.25 Max	0.15-0.25 Max
Mn(%)	— —	1.50 Max
s(%)	0.040 Max	0.040 Max
P(%)	0.040 Max	0.040 Max
S(%) + P(%)	0.075 Max	0.075 Max

Our Process



DRI - Sponge Iron
Manufacturing



SMS - MS Billet
Manufacturing



Automated Rolling
Mill MS Rebars
Manufacturing



Captive Power Plant
Captive power
manufacturing

Quality Control



SPECTRO METER



UNIVERSAL TESTING
MACHINE

Corrosion-resistant steel (CRS)

Mangal TMT Steel is a crucial choice for coastal regions where the damaging effects of corrosion are a constant concern. This specialized steel is designed to withstand the corrosive effects of saltwater exposure, making it an ideal choice for constructing buildings, bridges, and infrastructure in coastal areas. Mangal TMT Steel plays a vital role in providing high-quality CRS products that help safeguard coastal structures and industries, ensuring their longevity and resilience in harsh marine environments.





32mm



28mm



25mm



20mm



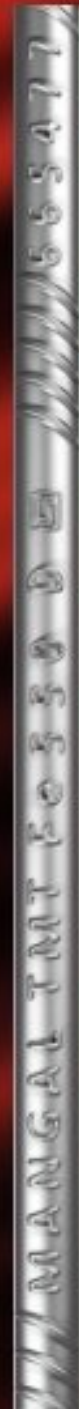
16mm



12mm



10mm



8mm





MANGAL TMT REBARS

REQUIREMENT		ISI STANDARD			MANGAL TMT STANDARD		
SIZE	specified weight gm/mtr	tolerance limit gm/mtr	permissible wt.variation gm/mtr	indv sample% variation	weight toleranc gm/mtr	weight variation gm/mtr	indv sample% variation
8mm	395	367 - 423	56	±7	379 - 410	31	±4
10mm	617	574 - 660	86	±7	592 - 642	50	±4
12mm	888	844 - 932	88	±5	870 - 906	36	±2
16mm	1578	1500 - 1657	158	±6	1546 - 1609	63	±2
20mm	2470	2396- 2544	148	±3	2445- 2494	49	±1
25mm	3850	3735 - 3965	230	±3	3811 - 3888	77	±1
28mm	4830	4686 - 4974	288	±3	4781 - 4878	97	±1
32mm	6310	6120 - 6499	379	±3	6247 - 6373	126	±1



Our Commitment to a Greener Future

At Maa Mahamaya Industries Limited, our commitment to environmental responsibility is deeply ingrained in our operations. We understand the importance of preserving our planet and ensuring the well-being of the communities around us.

Efficient Resource Management:

- **Waste Heat Recovery:** We utilize an 8 MW waste heat recovery system, efficiently capturing and reusing thermal energy generated during our processes. This not only reduces our energy consumption but also minimizes our carbon footprint.
- **Water Conservation:** Our dedication to water conservation extends to extensive rainwater harvesting initiatives. We collect and store rainwater to meet various needs, reducing the strain on local water sources.
- **Green Belt:** Over 33 acres of lush green belt surround our facilities. This not only enhances the aesthetics of our premises but also provides a habitat for local flora and fauna, contributing to biodiversity conservation.



Community Engagement and CSR:

- **Health Initiatives:** Maa Mahamaya Industries Limited is deeply involved in various CSR activities focused on health and well-being within our surrounding communities. We are committed to improving the lives of the people we serve by promoting health awareness and providing access to healthcare services.

Sustainability in Action:

While we do not currently utilize solar power, our ongoing commitment to sustainability includes exploring renewable energy options to reduce our reliance on conventional sources.



OUR ESTEEMED CLIENTS





MAA MAHAMAYA INDUSTRIES LTD

R.G.PETA VILLAGE, L.KOTA MANDAL, VIZIANAGARAM,
ANDHRA PRADESH – 535161

☎ 9100926993, 8977929030, ✉ marketing@maamahamaya.com

🌐 <https://www.mangaltmt.in>

Follow us on [f](#) [@](#) [in](#) @ mangaltmt