



**LEADS TO OPTIMUM
VOID DISTRIBUTION**

Tata eFee® helps in optimum void distribution in cupola furnace and packing density in induction furnace.



**MELTS FASTER AND REDUCES
CARBON FOOTPRINT**

Tata eFee® melts faster compared to other types of pig iron, which makes the operation energy-efficient and reduces carbon footprint.



**ECONOMICAL AND
ENVIRONMENT-FRIENDLY**

Tata eFee® reduces consumption of coke and power during manufacturing process.

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**HELPING
FOUNDRIES
GO GREEN**

Highest surface area to mass ratio | Energy efficient | Available in foundry and SG grades



About the Company

Tata Steel Metaliks Division has its state-of-the-art manufacturing plant at Kharagpur, West Bengal, which produces the finest quality Pig Iron and Ductile Iron Pipes in India. With focus on Safety and Sustainability, TSMD has been consistently fulfilling its vision of **Reaching Tomorrow First** through innovative and superior quality products and service offerings.

Combining customer centricity with technical efficiency, Tata Steel Metaliks Division is the supplier of choice through its end-to-end product and service offerings for customers. It is also taking significant steps in its journey of digital transformation by rapidly adopting Industry 4.0 principles and becoming a 'Digital Factory' in line with its vision.

Aligned with its legacy of sustainable value creation, Tata Steel Metaliks Division is steadily working on its long-term Sustainability Strategy of becoming Net Zero by 2045. Its high-impact Corporate Social Responsibility interventions aim to uplift the lives of communities with a focus on Education, Essential Amenities and Skill Development.

TSMD's energy efficient and environment friendly Pig Iron, marketed as 'Tata eFee' is a preferred raw material for manufacturing various kinds of castings by foundries due to its superior quality and customised specifications.

Customised Pig Iron for Foundries



Adhering to the commitment of creating a sustainable environment through energy conservation, Tata Steel Metaliks Division introduced the world's first branded pig iron Tata eFee®. The design of this energy efficient and environment friendly pig iron was developed after extensive research.

Advantages of Tata eFee®

- Use of Tata eFee® significantly reduces the consumption of coke and power during the manufacturing process in foundries. This makes the process more economical and environment friendly.
- Tata eFee® melts faster compared to other types of pig iron, which makes the operation energy efficient and reduces carbon footprint.
- It helps in optimum void distribution in cupola furnace and packing density in induction furnace.

Chemical Composition of Pig Iron being offered by Tata Steel Metaliks Division

Pig Iron manufactured by Tata Steel Metaliks Division meets exact product and quality standards, and is suitable for production of all kinds of castings in foundries.

Pig Iron Product Range

SL No	Grade		%C	%Si	%Mn	%S	%P
1	TATAEFEE101	FG-I	≥3.5	2.000-2.200	≥0.5	≤0.06	≤0.20
2	TATAEFEE103	FG-II	≥3.5	2.201 - 2.500	≥0.5	≤0.06	≤0.20
3	TATAEFEE201	SG	≥3.5	1.600-2.500	≤0.2	≤0.035	≤0.08
4	TATAEFEE307	CG –Si-1.0 % Max	≥3.5	≤1.000	≤0.9	≤0.07	≤0.20
5	TATAEFEE301	CG –Si-1.5 % Max	≥3.5	1.001 -1.500	≥0.5	≤0.06	≤0.20
6	TATAEFEE302	CG Spl. Appln	≥3.5	1.501 -1.999	0.5 - 1.2	≤0.06	≤0.20
7	TATAEFEE303	CG High silicon	≥3.5	2.501 -3.000	≥0.5	≤0.06	≤0.20
8	TATAEFEE304	CG Ultra High silicon	≥3.5	3.001-3.500	≥0.5	≤0.06	≤0.20
9	TATAEFEE305	Ultra High phos	≥3.5	2.000-2.500	≥0.5	≤0.06	0.201 - 1.200

FG: Foundry Grade | **CG:** Customized Grade | **SG:** Spheroidal Grade

Services

Tata Steel Metaliks Division has set up a Customer Service Centre that offers a bouquet of end-to-end technical services. The Company's team of experienced professionals, technicians and engineers offer training and consultancy services in different areas of foundry operations which include:

- Charge mix and melting
- S G Iron production & development
- Pollution Control
- Testing facility
- Moulding and core making
- Methoding of castings
- Project based consultancy
- Customised training

