



Proven **Quality.**  
Solid **Trust.**

MADHAV KRG GROUP

**JYOTI**

— EK KADAM AAGE —

**TEMPCORE SG**

TMT BARS



North **INDIA'S 1<sup>st</sup>** LRF Technology TMT Rebar

## The 5S ADVANTAGE TMT Rebar



**Super Rib Area**  
Double as per  
BIS standards

2



**Super Ductile**  
Minimum 18%  
Elongation (Lachak)

4



**Super Strength**  
More than  
520 N/MM2

1



**Super Corrosion  
Resistance**  
Best Control on  
Chemistry of  
the Liquid Iron

3



**Super Fine Quality**  
with Zero Impurities  
& absolute removal  
of Harmful Gases

5





North INDIA's 1st  
LRF Technology  
TMT Rebar Plant



Stringent Quality  
as per BIS Norms



Complete in-house  
production



6.5 Lacs Production  
Capacity of Steel



20+ years of  
Steel Business



8+ States Distribution Network with  
Punjab, Haryana, Himachal Pradesh,  
Uttarakhand, Uttar Pradesh,  
Rajasthan, Gujarat, Jammu & Kashmir



Prime focus on  
customer service

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### BENEFITS OF WORLD FAMOUS LRF TECHNOLOGY

- LRF (Ladle Refining Furnace) which is World renowned latest technology and brought to North India 1st time by Madhav KRG Ltd.
- Phosphorous & Sulphur the most harmful impurities are controlled in much better manner, ensuring an Impurity Free Final Product.
- JYOTI Tempcore SG TMT is produced by World acclaimed Tempcore Technology duly certified by, CRM Belgium.
- Absolute removal of Harmful Gases (Oxygen, Hydrogen, Nitrogen) are removed for environmental benefits.
- Internal Defects which are not mentioned in BIS 2830 (Billets) are removed to an extent of 100%.
- Jyoti Tempcore SG TMT has 100% Bundle Weight which is as per BIS 1786 standard (92-96 KG on 12 Meter Length)
- 30 Ton Capacity of LRF for volume and fast production.



#### PRODUCT SPECIFICATIONS

TRADE MARK	GRADES	DIAMETER
Jyoti Tempcore SG <sup>1786</sup> ISI	Jyoti Tempcore - Fe 500, Fe 550, Fe 500D, Fe 550D	6, 8, 10, 12, 16, 20, 25, 28, 32, 36, 40 mm

#### PHYSICAL PROPERTIES

SIZE	JYOTI SG STANDARD	I.S.I STANDARD
6 MM	206 to 238 gm/mtr	204 to 240 gm/mtr
8 MM	380 to 400 gm/mtr	367 to 422 gm/mtr
10 MM	580 to 605 gm/mtr	574 to 660 gm/mtr
12 MM	850 to 880 gm/mtr	844 to 932 gm/mtr
16 MM	1530 to 1595 gm/mtr	1501 to 1657 gm/mtr
20 MM	2410 to 2490 gm/mtr	2394 to 2544 gm/mtr
25 MM	3800 to 3899 gm/mtr	3735 to 3965 gm/mtr

#### CHEMICAL PROPERTIES

CARBON 0.18 to 0.25 max	SULPHUR 0.030 to 0.045 max
MANGANESE 0.45 to 0.70 max	PHOSPHORUS 0.030 to 0.045 max

#### MECHANICAL PROPERTIES

PARAMETER	JYOTI TEMPCORE SG REBAR			
	500	500 D	550	550
Yield Strength	520 N/mm <sup>2</sup>	520 N/mm <sup>2</sup>	565 N/mm <sup>2</sup>	565 N/mm <sup>2</sup>
Tensile Strength	620 N/mm <sup>2</sup>	620 N/mm <sup>2</sup>	655 N/mm <sup>2</sup>	655 N/mm <sup>2</sup>
Elongation	18%	18%	18%	18%

## Madhav KRG Ltd

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