



IS 1786:08
IS 2830:12
IS 432 G.1
IS 7887:1992



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

MADHAV KRG GROUP
JYOTI
 EK KADAM AAGE
TEMPCORE SG
 TMT BARS



North **INDIA's 1st 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



1



Super Strength
More than
520 N/MM²



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

5



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



North INDIA's 1st
LRF Technology
TMT Rebar Plant



Stringent Quality
as per BIS Norms



Complete in-house
production



20+ years of
Steel Business

MADHAV KRG GROUP

JYOTI
EK KADAM AAGE
TEMPCORE SG
TMT BARS



6.5 Lacs Production
Capacity of Steel



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



Prime focus on
customer service

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 ISI ¹⁷⁸⁶	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 ²	520 N/mm ²	565 N/mm ²	565 N/mm ²
Tensile Strength	620 N/mm ²	620 N/mm ²	655 N/mm ²	655 N/mm ²
Elongation	18%	18%	18%	18%

Madhav KRG Ltd

Registered office : 1002-3 Agarwal Millennium tower, 1st Netaji Subhash Palace, New Delhi – 110034

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