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Experience  
the New Age of  
**Galvanized**  
TMT Bars

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**First time in ASIA**  
manufactured by  
Globally acclaimed  
**CGR Technology**

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## JYOTI ZINC COAT TEMPCORE TMT BARS

### The new age Galvanised TMT Bar

JYOTI the flagship brand of Madhav KRG Group, has been a pioneer when it comes to Innovation and Quality enhancement. Steel has always been an essential part of every foundation, and what better way to augment the foundation than to give a robust and long lasting TMT Bar.

Presenting JYOTI ZINC COAT Tempcore TMT Bars, with specialised Zinc Coating and manufactured for the **First time in Asia by CGR Technology - Continuous Galvanising rebars**. The Zinc coated TMT Bars are much superior and have a advanced life span, plus adding to the product appeal is a better product outlook and unique packaging.

### Specialised Coating Technique

JYOTI ZINC COAT Tempcore TMT Bars, are coated with Zinc and then surface passivation treatment is carried out on them. This induces a Protective layer onto the TMT Bar. Therefore the result is a double layered Final product thereby creating more life for the TMT bars inside a concrete environment.

Zinc provides unbeatable protection which is much advance than other coating options. Coating process is carried out by patented Continuous Galvanizing Rebars (CGR) providing optimal coating thickness, which makes final product that is resistant to corrosion. The product has consistent & uniform coating thickness, with zero coating gaps in Final output.

## ADVANTAGES OF JYOTI ZINC COAT TEMPCORE TMT BARS

- **Protection from Rust** (Salt spray life min. 100 hours in 5% NaCl solution)
- **Dual Protection layering with CGR** (Zinc coating with Passivation)
- **Enhanced bond strength** of rebar with concrete
- **Product Available** in HDPE Micro (60-80 kg) & Macro bundles (upto 2 tons)
- **Bendability and Weldability** are equivalent to normal uncoated rebars
- **No peeling of Coating**
- **Earthquake resistance**

### Why Choose Galvanized Rebar?

 Superior Corrosion Protection	 No Special Handling
 Unparalleled Bond Strength	 Beauty that Lasts
 Exceptional Life Cycle Cost	 GSM - 350 (Minimum)

### Important Facts

of Galvanized Rebar in comparison with un coated TMT Rebars

- **Increase in Life of steel by 2 times**
- **2%-4% increase in Bonding Strength**

### Steel that promises more value to your buildings

- Higher benefit vs cost
- Enriched Product with prolonged life.
- Greater Product satisfaction Rate

**JYOTI**  
BHAROSE KI TAKAT  
**ZNCOAT TEMPCORE**  
**TMT BARS**

## JYOTI ZINC COAT TEMPCORE TMT BARS vs ORDINARY TMT BARS

Since the salt spray test is a standardized, most practiced and accepted corrosion test method as per ASTM B117-11, which is used to verify corrosion resistance of surface coating. Comparative salt spray testing (continuous exposure to 5% NaCl) of Jyoti Zinc Coat Tempcore TMT bars and ordinary rebars showed that there was absolutely negative rust on Jyoti Zinc Coat Tempcore TMT bars, and that too after 100 hours of exposure to the solution. Whereas the uncoated ordinary rebars developed a complete superficial red oxide layer just after a short exposure period of 20 hours.



BRIDGES



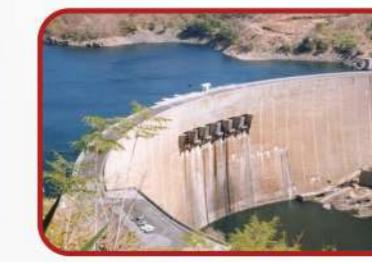
SPECIALIZED STRUCTURES



BUILDINGS



EXPRESS HIGHWAYS



DAMS



HOUSES

### Handling Norms

- It is extremely essential to use only G binding wires with Jyoti Zinc Coat Tempcore TMT Bars.
- Jyoti Zinc Coat Tempcore TMT Bars preferably should not be stored and used alongside uncoated TMT Bars.
- Sufficient measures should be taken to make sure that bundles are not dragged on rough surfaces.

