

Uttam Bhavishya  
Ke Liye  
Sarwottam TMT



SARWOTTAM S50 TMT

Celebrating  
40 Years  
of Trust

**SARWOTTAM** **S50TMT**

**SABSE UTTAM SARWOTTAM**



**Making  
Homes  
Strong &  
Secured**

**SARWOTTAM 550 TMT**  
**SABSE UTTAM SARWOTTAM**

## **Empowering Progress. Forging A Stronger Tomorrow.**

Sarwottam is an epitome of ambition, innovation and success. A tale that began with a single dream, to create the best-in-class TMT bars. With continuous adaptations of latest technology, the company has revolutionized the manufacturing of TMT bars, taking precision and quality to new heights. Today, Sarwottam is a pioneer in the steel industry, setting the bar for quality and customer service. With a commitment to excellence, the company continues to produce superior products, meeting and exceeding customer expectations.

## **Corporate Strength**

When we say 'Sabse Uttam Sarwottam', we make a statement based on the strength of each of its TMT bar and the resilience of the company. Sarwottam TMT owes its success to a committed and highly skilled workforce who give their best to the company and ensure that high quality standards are maintained. Our ultra-modern manufacturing facilities include a fully automatic rolling mill complex and facility to manufacture raw material for the finished product from our in-house Furnace. The superior quality and unmatched durability of Sarwottam 550 TMT has created rapidly increasing demand among quality conscious consumers.

## Product Attributes

### Maximum strength with better elongation

Sarwottam 550 TMT bars have high tensile strength and better elongation value.

### Very cost effective

The average cost of reinforcement steel is 40% of the cost per cubic meter of concrete. Whereas, by using Sarwottam 550 TMT the cost can be reduced by 15%.

### Weldability

Our TMT bars can be pre-welded into meshes for ease of use.

### Better bonding strength

External ribs running across the entire length of TMT bar are scientifically proven to give superior bonding strength between the bar and the concrete.

### Easy working

Most preferred at site owing to their better ductility and bendability.

### Resistance to fire hazards

Our TMT bars can withstand temperatures up to 500 degree centigrade.

### Earthquake resistant

The soft ferrite-pearlite core enables the bar to bear dynamic and seismic loading.

### Corrosion resistance

Sarwottam 550 TMT manufacturing process gives the bars superior strength and good anti-corrosive properties, due to the tough surface and fine grain quality.



## Superior Manufacturing Process

A three-step process is employed to ensure the quality of Sarwottam 550 TMT bars.

- Raw material manufacturing
- Automated rolling
- Quenching and Tempering

The raw materials for the bars are manufactured at the in-house furnace. The inherent chemistry of the bars is established during this process. The chemical

composition is the integral part of any TMT bar and essential to achieve the basic qualities of weldability, ductility, strength and elongation of the Bars. The raw material is rolled using the internationally accepted roll pass design. This gives the bars higher strength and elongation. The fully automatic process ensures minimum loss of temperature between the front and back end



of the bars thus ensuring a greater degree of uniformity of properties through the entire length of the bar.

After the rolling process the ribbed bar is subjected to the German Technology based, quenching and tempering process. The bars are passed through a specially designed water cooling system converting the surface

layer of the ribbed bar into high strength tempered structure. The flow of heat from the core of the bar to the surface, in atmospheric air makes the bars ductile and bendable. By employing these processes Sarwottam 550 TMT bars have greater strength and achieve excellent ductility outstanding bendability and superior weldability.



## Less is More with Sarwottam 550 TMT

When you use Sarwottam 550 TMT for your construction requirements you are building a stronger structure economically! Inferior quality steel bars have to be used in greater numbers to compensate for their shortcomings. With Sarwottam 550 TMT, quality & strength are assured in every bar requiring lesser quantity steel that results in less cost but greater durability!

Weight of Sarwottam 550 TMT			
Size	Specific Weight	BIS Standard	Sarwottam TMT
	Gm/m	Gm/m	Gm/m
8 mm	395	423 to 367	395 to 380
10 mm	617	660 to 574	617 to 590
12 mm	888	932 to 844	888 to 860
16 mm	1580	1659 to 1501	1580 to 1530
20 mm	2470	2544 to 2396	2470 to 2420
25 mm	3850	3965 to 3735	3850 to 3770



**Earthquake  
Resistant.  
Corrosion  
Resistant.**

There is a difference in the theoretical and the actual weight of the steel bar per meter length. The same should be within a permissible limit as per IS-1786 (2008).

The standard weight of the steel bar is calculated theoretically. But in the practical world, it is difficult to maintain the exact bar diameter & density during the manufacturing process of the TMT bars. With the advanced manufacturing process of Sarwottam 550 TMT, we are able to control this deviation to a great extent.

Projects purchase TMT bars based on weight. The length of the overweight bars will differ and will fall short of the required bar length. This bar shortage cumulatively affects the calculated project cost by increasing steel requirement.

Sarwottam 550 TMT is rolled maintaining the average weight per meter on the lower side of theoretical weight without compromising in the strength and quality of the bars.

Simply put with **SARWOTTAM 550 TMT** there is more Bar for the Buck!

## Reliable Steel For Modern Construction

Sarwottam 550 TMT bars reign supreme in terms of quality and strength. This is due to strict Quality Control regimen that is employed in order to ensure a product that is distinctly superior. We also have an ongoing technology upgradation policy, which ensures that our processes are on par with the latest global trends.

In order to maintain our high standards and meet our customer's demands, we follow a rigid process of product testing. We also maintain the production volume by following stringent work practices and systems in the plant.

**Sarwottam 550 TMT is  
available in the following  
range:**

**Size: 8, 10, 12, 16, 20, 25  
and 32 mm in High  
strength, corrosion-  
resistant TMT Bars.**

**Fixed Length: 12 mts.**

## Where Strength Meets Durability

For over Four decade, we have been serving our customers with the best quality Steel. Sarwottam 550 TMT is a perfect blend of strength and durability. We believe in excellence and perfection in every aspect of our production which is why we use the best quality raw materials and advanced technologies to produce our products. We are also committed to pushing the boundaries of innovation and technology to make sure our products remain ahead of the competition. Our commitment to excellence and customer satisfaction is unparalleled and that is why our customers have consistently trusted us for years. When you choose Sarwottam, you choose the best.





**SARWOTTAM** **SSO TMT**

**SABSE UTTAM SARWOTTAM**



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