



PREMIER
STEEL

सबैको लागि सधैंको लागि

PREMIER **NXT**
भरोसा नयाँ युगको निर्माणको **500D**



लचकिन्छ तर टुट्दैन



SPECTROMETER
TESTED

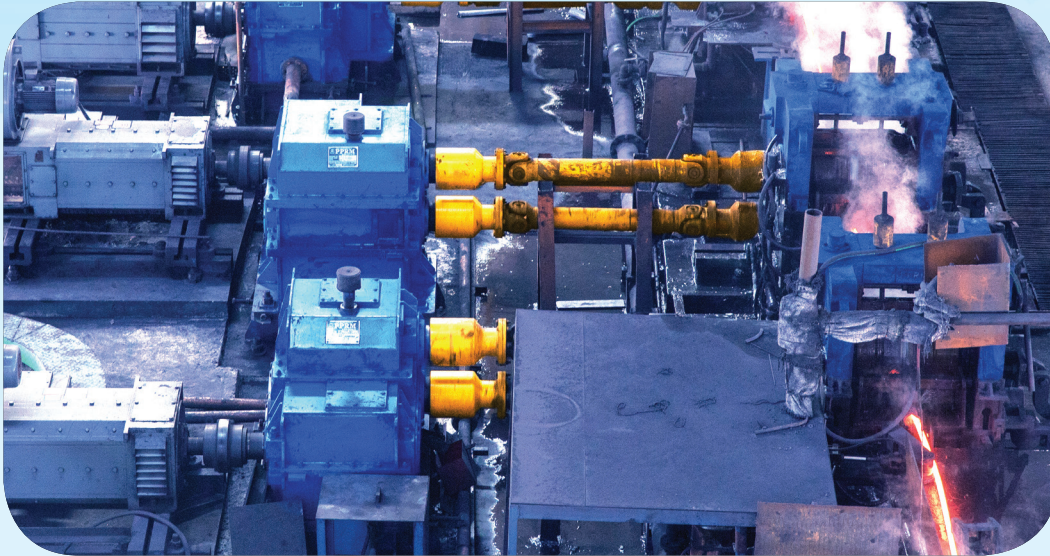
PREMIER **NXT**

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PREMIERX^{XT}

ABOUT US



Founded by Mr. Shivratan Sharda, Premier Steel Pvt. Ltd. (PSPL) is one of the largest steel manufacturing company under the flagship of Sharda and Rathie Group. PSPL is an ISO 9001:2015 & NS: 191 accredited company with manufacturing facility at Duhabi, Sunsari, Nepal with a daily production capacity of 800 MT. PSPL is a trusted partner to all major clients across the nation catering to their various requirements.

PSPL is an automated TMT Bar plant in Eastern Nepal producing various sizes of

TMT bars from 8 mm to 40 mm ensuring easy availability of the product in 500 retail outlets across the nation. Equipped with a high precision rolling mill, we ensure the highest quality of steel rebar manufactured with automated process and use of superior grade quality materials. This act as the benchmark standard for all steel products in Nepal. With an advanced manufacturing set up and extensive marketing/sales network, PSPL is capable of supplying steel products as per Global standards all our valued customers. We always

stand firm in our commitment to provide real value-for-money to our customers as we are equipped with the latest Testing and R&D facilities.

In our philosophy, quality is embedded into the product right from the start and is strengthened throughout the chain. Our emphasis is on engineering the best quality of TMT Bars which are benchmarked globally. The steel we produce here finds its way into high quality conscious markets for applications because of the consistency in the quality of our product.

“MOST MODERN MILL IN NEPAL”

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MISSION & VISION

To outperform expectation in all spheres of business; not only to grow but to reach out for maximum benefit for all.

Become a force that will enhance the socio-economic condition of the nation, driven by our core values of Trust, Honesty, Responsibility and Sustainable Development, we wish to become the preferred corporate citizen of the nation.

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OBJECTIVES, GOALS & PHILOSOPHY

OBJECTIVES

- Easy availability of product
- Customer satisfaction through quality product

GOALS

- To explore and set up our own iron ore mine in Nepal
- To manage and maximize the steel production and improvement in power generation

PHILOSOPHY

- Quality helps in sales
- Sales helps in relationship
- Relationship help in commitment
- Commitment determine quality

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Universal Testing Machine(UTM)

PSPL's in house laboratory is equipped with 120KN UTM machine where TMT bars are tested for its physical properties applying max force of 1200KN

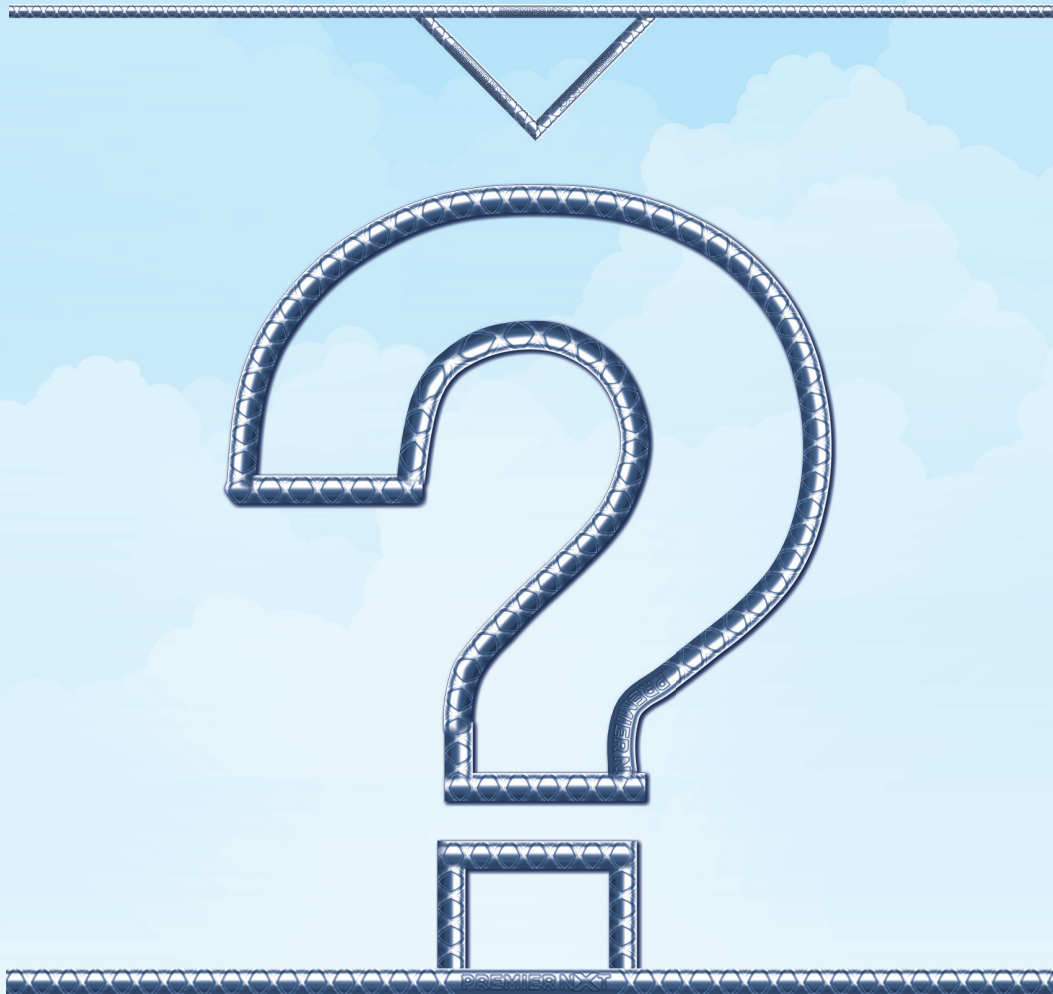


Optical emission spectrometer

Every raw material lots are inspected with 30+ elements detecting optical emission spectrometer chemical properties are checked and only prime raw materials are processed to deliver quality rebar.

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WHY PREMIER NXT ?



Advanced Processing Technology

As technology has advanced, so has Premier Steel TMT Rebar. Our complete straight line continuous rolling mill processes in such a way that every operation is automated and accurate with minimum chances of human error.

Stringent Quality Control

Following numerous manufacturing process, our TMT Rebar are inspected at different stages to ensure

quality product. Rebar samples are collected and tested in our well-equipped Quality Laboratory where physical properties are tested with computerized UTM machine and followed through Bend Re-bend test. Our Quality Control Lab is equipped with Optical Emission Spectrometer that detects 30+ Iron Base Elements in steel which helps to maintain the steel grade without impurities making Premier Steel TMT Rebar the purest TMT Rebar.

Accuracy of Rebar

Uniformity of Premier Steel TMT Rebar are matched to precision as each processing groove is crafted with our In-house Computer Numerical Controlled Machine resulting in consistent mass of Rebar and remarkable surface finish.

Finest Raw Material

Premier TMT Rebar are produced with Prime Bloom imported directly from renowned suppliers with the best Chemistry required for TMT Rebar Grade.

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MESSAGE FROM THE DIRECTORS



ANUPAM RATHI
Director -Finance

PSPL, promoted jointly by Sharda Group and Rathie Group, had already started its journey to achieve balance growth maintaining orderly changes, keeping it within existing pattern, enforcing uniformity, controlling processes and developing realistic view.

Our core values are understanding our customer's demand and precision, which guides us in our entire strategic decision making.



PSPL has emerged as a thriving steel manufacturing company, due to its dynamic policy in combating the challenges in competitive economy. To thrive, a company must respond to changes. Depletion of natural resources becomes a key challenge for the manufacturers that face unfair competition, to maintain stability in the market. PSPL has certain strengths to cope with such challenges and establish itself.

Seeking new opportunities, the company will continue to follow its founder's ethos of enhancing the livelihood of local people. We welcome the opportunity to work with diverse economy and to play a part in sustainable and inclusive development.

Our activities are always guided by responsible and ethical business principals. We emphasize to build long-lasting relationships with customers thus linking market and production service to its customers through 500+ outlets.



SOURAV SHARDA
Director Sales & Marketing



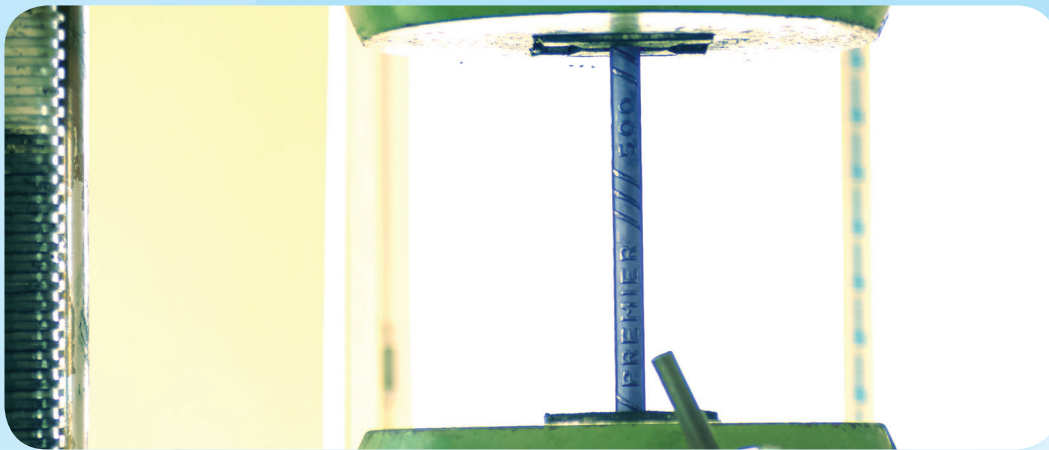
AVIJEET SINGH
Director-Technical

The steel segment has an important relationship with national prosperity. To match the demanding market with vast scope for development, PSPL abides by its principle to deliver quality rebar and has marched en-route to make PSPL a synonym for belief.

Our Product line of Premier TMT Fe500 and Premier NXT Fe500D excels in its segment as one of the largest producers with the capacity of 800MT/day. Ensuing the demand of end customers for quality reinforcement bar, we thrive to adapt to the latest technologies where customers are delivered with Rebar that meet their expectations. Our automated modern plant and well equipped Quality Laboratory ensures best quality steels. We believe in quality over quantity.



PREMIERXTM

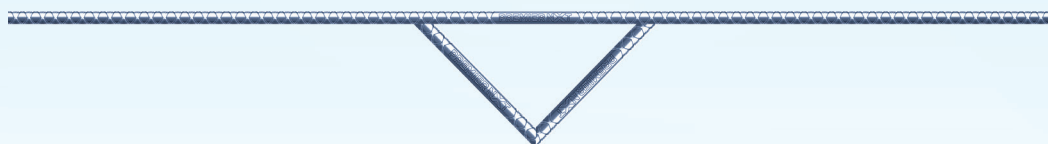


BENCHMARK FOR NEW BEST STEEL



THE SUPERIOR PRIME BILLET

MECHANICAL PROPERTIES



Test Parameters	NS 191:2046 Fe 500	IS: 1786 Fe 500	PREMIER STEEL TMT Fe500	NS 191:2046 Fe 500 D	BIS Fe 500 D	PREMIER STEEL TMT Fe500D
Yield Stress (YS), N/ mm ²	≥500	≥500	≥530	≥500	≥500	≥530
Ultimate Tensile Strength (UTS), N/ mm ²	≥545	≥545	≥590	≥565	≥565	≥650
UTS/YS Ratio	≥1.09	≥1.08	≥1.23	≥1.10	≥1.10	≥1.23
Elongation (%)	≥12	≥12	≥16	≥16	≥16	≥20

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BEND RE-BEND PROPERTIES



Nominal Sizes	Mandrel Diameter for NS 191:2046 Fe 500 & Fe 500 D	Premier Steel Fe 500 & Fe 500 D
BEND TEST		
Diameter less than & including 22mm		No transverse cracks developed on performing Bend Test.
Diameter above 22mm	5 Ø	
No fractures in the bent portion at 135° and rebending to 157.5° after keeping the sample in boiling water of 100°C for 30 minutes.		
Diameter less than & including 10mm	5 Ø	No crack development in re- bend portion
Diameter above 10mm	7 Ø	

CHEMICAL PROPERTIES



Elements	NS 191:2046 Fe 500	Euro (DIN 488) Bst 500-s	PREMIER STEEL TMT Fe 500	NS 191:2046 Fe 500D	IS 1786:2008 Fe500D	PREMIER STEEL TMT Fe 500 D
Carbon Equivalent	0.42 max	0.42 max	0.4 max	0.42 max	0.42 max	0.38 max
Carbon	0.30 max	0.23 max	0.23 max	0.25 max	0.25 max	0.23 max
Sulphur	0.055 max	0.055 max	0.05 max	0.04 max	0.04 max	0.04 max
Phosphorus	0.055 max	0.055 max	0.05 max	0.04 max	0.04 max	0.04 max
Sulphur + Phosphorus	0.105 max	0.120 max	0.095 max	0.075 max	0.075 max	0.075 max

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MASS CHART



Nominal Size (mm)	Cross Sectional Area (mm ²)	NS 191:2046 Mass Per Meter (kg/m)	NS 191:2046 Tolerance on Mass Per Meter (kg/m)		PREMIER TMT Mass Per Meter (kg/m)
			%	Weight range	Weight range
Ø 8	50.27	0.395	7	0.367-0.423	0.379-0.4
Ø 10	78.55	0.617	7	0.573-0.66	0.592-0.62
Ø 12	113.112	0.888	5	0.843-0.932	0.87-0.9
Ø 16	201.08	1.578	3	1.499-1.656	1.546-1.585
Ø 20	314.2	2.466	3	2.392-2.539	2.441-2.49
Ø 25	490.93	3.854	3	3.738-3.969	3.815-3.89
Ø 28	615.83	4.834	3	4.688-4.979	4.785-4.84
Ø 32	804.35	6.314	3	6.124-6.503	6.25-6.33
Ø 40	1256.8	9.866	3	9.57-10.161	9.767-9.9



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UNMATCHED FEATURES OF PREMIER NXT TMT REBAR



A) WELD ABILITY

Premier steel TMT Rebar has controlled lowest limit of Carbon element which provides better welding be it lap joint or butt joint welding.

B) BENDABILITY

Premier steel TMT Rebar are process controlled (QST-Quenching and Self Tempering)

C) DUCTILITY/ EMF (ELONGATION AT MAXIMUM FORCE)

Premier steel TMT Rebar undergoes monitored processing to achieve high ultimate tensile strength to yield stress ratio (UTS/YS) which makes our rebar ductile and compatible in seismic prone region.

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D) BONDING

Due to uniform and precise transverse Rib Pattern crafted with CNC Notching machine Premier steel TMT Rebar have best bonding with concrete. The angular transverse rib design and rib depth binds the concrete tough enough to provide long lasting structure life.

E) BETTER ANTI CORROSIVE PROPERTIES

Premier steel TMT Rebar displays nearly no rusting over the time due to nonexistence of residual stress maintaining durability of structure built.

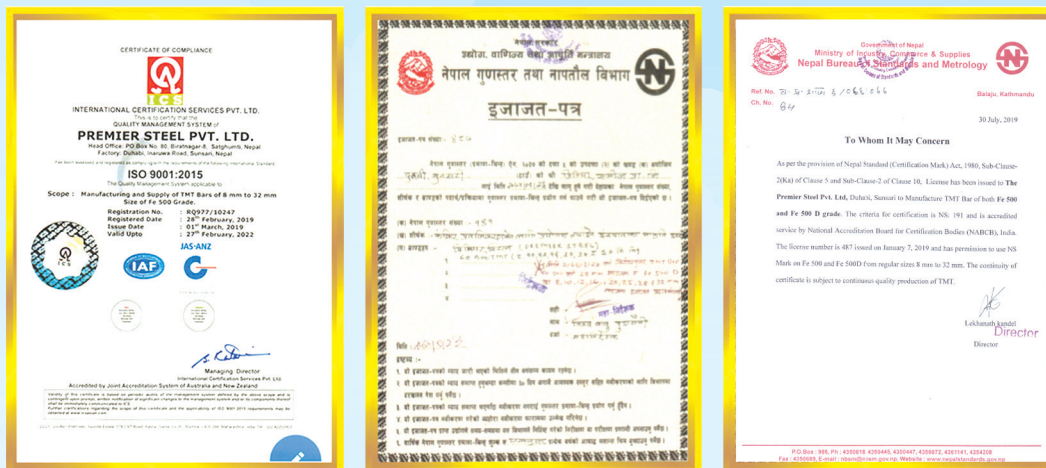
F) COST EFFECTIVE

Premier steel TMT Rebar is cost effective as steel consumption is less than that in normal Rebar.



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AWARDS & CERTIFICATE

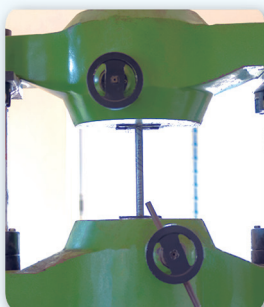


Major construction clients



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OVERALL STRENGTH AND STRUCTURES OF ORGANIZATION



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