



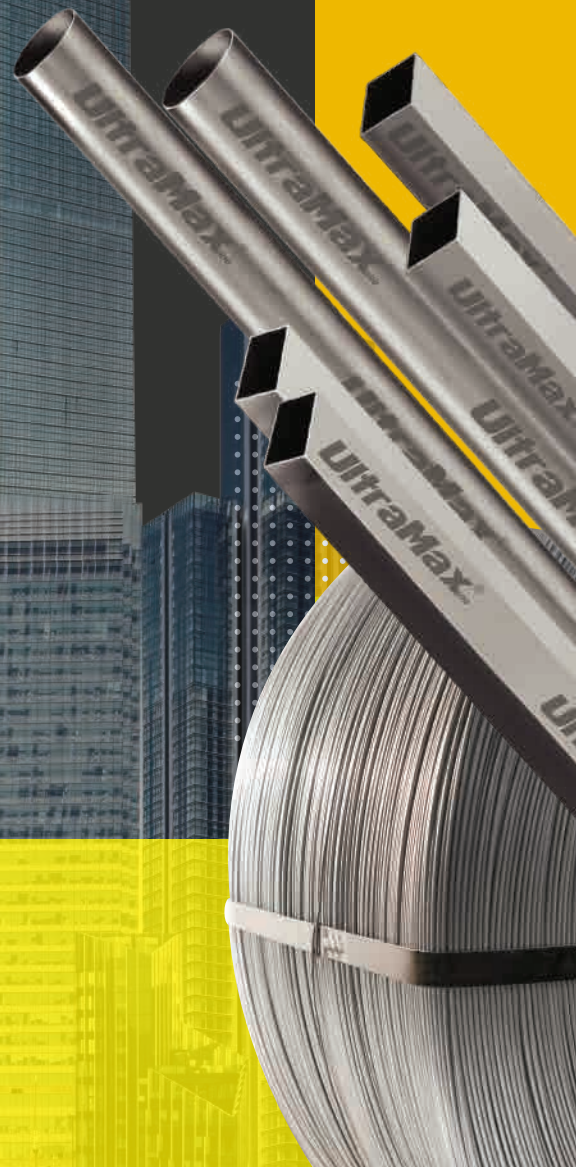
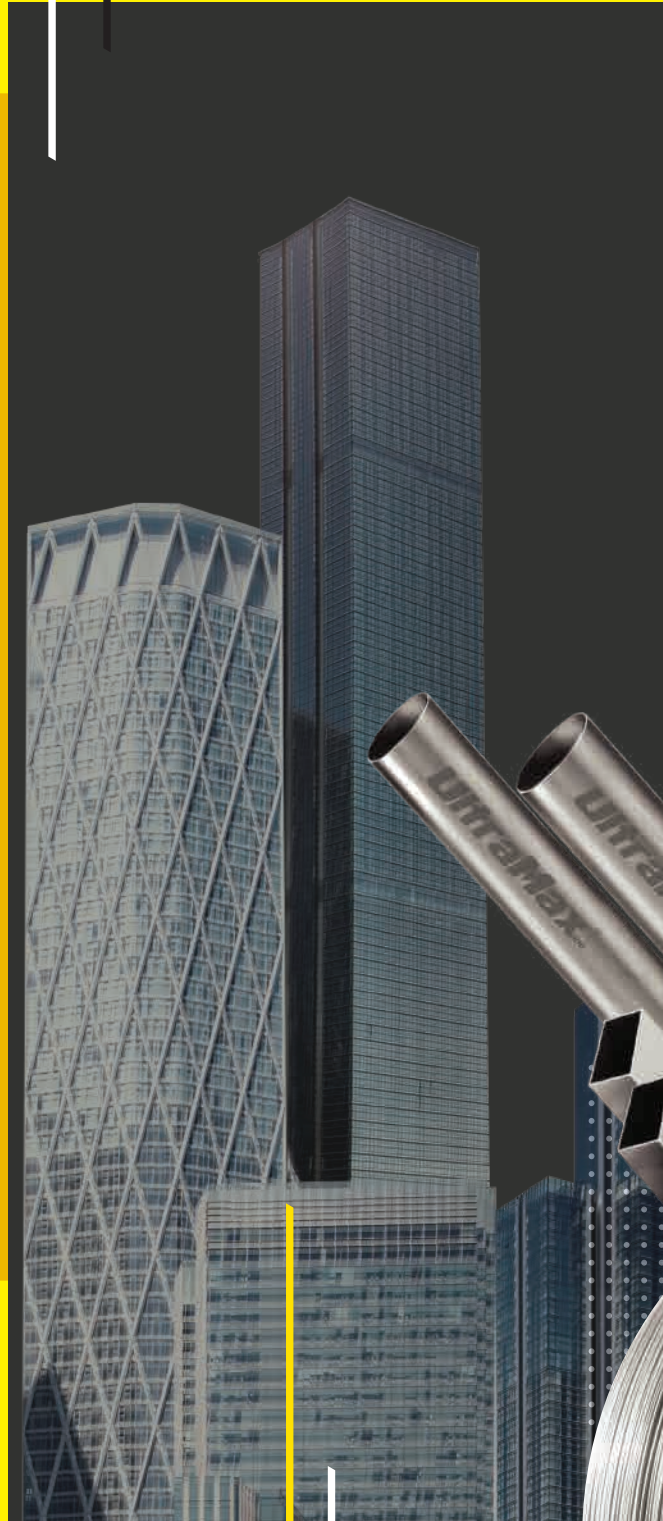
ADUKIA INDUSTRIES

UltraMax[®]
500

550D TMT BAR

ULTRA SHAKTI! MAXIMUM MAZBOOTI!

**BRINGING
INDIA
UNPARALLELED
STRENGTH**



COMPANY

OVERVIEW

Established in 1971 by the Late Shri Bajrang Lal Adukia, Adukia Industries is a leading manufacturer of high-quality Iron & Steel products.

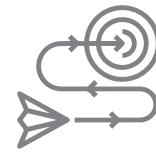
With the support of his wards, Shri Dinesh Adukia, Shri Vivek Adukia, and Shri Gyan Adukia, we have achieved a turnover of over INR. 4000 crores and built a strong distribution network covering major parts of India.

Adukia Industries' success is a testament to the founder's vision, hard work, and commitment to producing superior products that meet our customers' needs.



MISSION

To build a 3 million ton, fully integrated setup from ore to pellet to finished steel by adding value to our clients through superior-quality products and implementing reliable and environmentally sustainable manufacturing practices.



VISION

Accelerating growth and prosperity through technological advancement to become a leading Innovator in our industry, while creating value for our stakeholders. We relentlessly pursue quality to meet our customer's expectations.



MESSAGE FROM THE DIRECTOR

Founded by Shri Bajrang Lal Adukia in 1971, Adukia Industries began as a modest enterprise with only a few employees. Today, we've transformed into a flourishing Company with over 5,000 team members, impacting diverse businesses around the world.

Through agile and ethical practices, Adukia Industries has climbed the market ranks, earning a reputation as a dependable and credible name in the steel industry.

Our trailblazing efforts have played a significant role in fostering a positive image of Indian steel products on the global stage. With our customers' trust and our expertise, we've positioned ourselves as the top choice for premium steel products.

As a leading force in the industry, it is our responsibility not only to deliver world-class products but also to exemplify and champion responsible business practices.

We've incorporated the principle of 'collective corporate good' into our core values. Guided by this philosophy, we've thoughtfully developed programs that allow us to actively contribute to the communities in which we've grown.

We ensure that all our factory employees experience a safe and healthy work environment.

Our growth has been tremendous, and we'd like to take this opportunity to express our gratitude to our outstanding team of seasoned professionals for their unwavering commitment to every aspect of our business. We also want to thank our stakeholders for their trust, making us their preferred provider of steel products.

With such immense support, we remain dedicated to offering solutions that cater to customer needs while emphasising environmental sustainability.

Our trailblazing efforts have played a significant role in fostering a positive image of Indian steel products on the global stage.





AIC IRON INDUSTRIES PVT. LTD.

UNIT: NN ISPAT

N.N. Ispat Unit, located in Dewandighi, Burdwan, West Bengal, is a highly reputable manufacturer of TMT bars. With a production capacity of 4,00,000 tons per annum, we produce various high-quality steel products, including Billet, TMT Bars & Coils, Wire Rod, and HB wire.

Our size range of TMT Bars is 5.5mm to 32mm. We are recognised for our commitment to providing quality products and services at the most reasonable prices.

UNIT: RAIC

RAIC Unit is located in Jamuria, Burdwan, West Bengal. We have an annual production capacity of 3,00,000 tons per annum of DRI, 3,00,000 tons per annum of TMT Bars and 6,000 tons per annum of ferro alloys. We have a power plant of 25 MW.

We are expanding to become self-reliant in terms of power supply, contributing to the overall development of India.

Expansion: The Company is in process of installing 12,000 tons per annum of ferro alloys and 80,000 tons per annum of DRI with 35 MW captive power.



UNIT: AIC IRON

AIC Iron Unit located in Purulia, West Bengal, has an annual production capacity of 3,60,000 tons of DRI and 2,50,000 tons per annum of Mild Steel Billet, HR Narrow Strip, and Pipes & Tubes and has a power plant of 25 MW.

Our commitment to quality and state-of-the-art facilities has established us as a reliable supplier of high-quality steel products to various industries.

Expansion: The Company is installing a 600 TPD DRI plant for the production of DRI and a 25 MW captive power plant. In addition to this, the steelmaking capacity will be 2,70,000 tons per annum (Addition of 1,50,000 tons per annum).



UNIT: AIC CASTING

This first established unit started its operation in 1971 with the manufacturing of Grey Iron Casting. Presently with 20,000 tons per annum production capacity, with large motor manufacturing companies as its customer base.

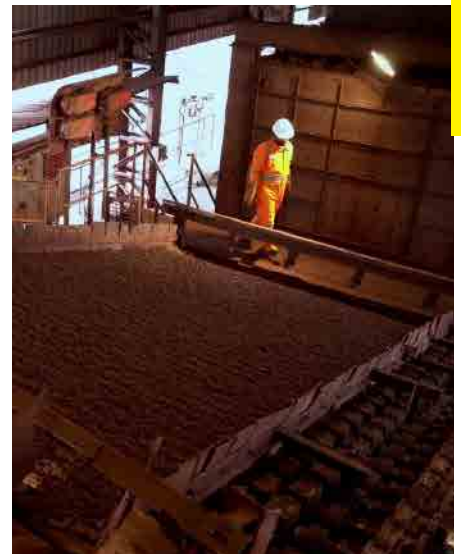
Following a strict quality control system and innovative research in the field of iron manufacturing, the Group has opened up three more units to meet the increasing demand and strengthen its distribution channel.

Expansion: The Company is establishing its new green foundry at Foundry Park near Kolkata, West Bengal with a capacity of 36,000 tons per annum. The products that will be manufactured are grey iron, ductile iron, alloy castings etc.

TECH AIC DRI PELLETS PVT. LTD

Tech AIC DRI Pellets Pvt. Ltd. located in Ikrah, Jamuria, West Bengal is engaged in the production of pellets with a capacity of 1 Million tons per annum. The facility converts iron ore fines into high-grade iron ore pellets, serving as a critical raw material feed for Direct Reduced Iron (DRI) / Sponge Iron production within the AIC Group and the broader steel ecosystem.

Expansion: Further expanding its operational capabilities, the company is also installing a 1.2 MTPA Iron Ore Beneficiation Plant. This facility will convert low-grade iron ore into high-grade feed by significantly reducing alumina (Al_2O_3), silica (SiO_2), and other gangue impurities, ensuring optimal raw material quality for downstream processing.





UltraMax[®]₅₀₀



550D TMT BAR

ULTRA SHAKTI! MAXIMUM MAZBOOTI!

ABOUT

ULTRAMAX TMT BARS & COILS

N.N Ispat Unit has been serving customers from every class in every nook and corner of the nation. One of its most admired and demanded products is Ultramax TMT Bars & Coils.

Ultramax TMT Bars & Coils are solid due to their accurate use of necessary constituents during manufacturing and Thermex technology from Hennigsdorfer Stahl Engineering GmbH, Germany.

This production method is among the best in the world, making Ultramax TMT Bars & Coils an ideal choice.



ADVANTAGES

FEATURES OF ULTRAMAX TMT



Quality Control: Our Ultramax TMT Bars- Fe 500D/550D are made using state-of-the-art equipment, including a modern chemical laboratory for analyzing raw materials and PLC-controlled machines with self-diagnostic features and for physical properties our bars maintain a uniform rib design. Our rolling plant operates at maximum speed with a minimum cycle time of 12-15 seconds, ensuring that our bars meet all international standards for physical properties.



Economical: With all these exceptional characteristics, it's no wonder that individual customers and construction companies prefer Ultramax TMT Bars- Fe 500D/550D over any other brand. Not only are they the ideal choice, but they are also available at a reasonable price, making them a wise investment for any construction project.



Strength: Ultramax TMT Bars- Fe 500D/550D are designed to provide exceptional strength and elongation compared to traditional bars, resulting in safer and stronger concrete structures while using less steel. These bars are highly elastic and pliable and offer excellent welding capabilities. With their low carbon content, our TMT bars are incredibly durable, resistant to bending and rebending, and have superior welding capabilities with minimal overlap. These bars provide reliable and robust solutions.



Flexibility: Ultramax TMT Bars- Fe 500D/550D provide exceptional flexibility, ensuring top-notch durability and performance for all your construction needs. These bars come in various sizes, from 8mm to 32mm. Each size undergoes rigorous testing, including a minimum elongation of 20% and a 3D bend test, to ensure the highest quality and reliability.



Earthquake Resistance: Adukia Industries' Ultramax TMT Bars- Fe 500D/550D are ideal for earthquake-resistant construction projects due to their exceptional strength, elongation, and flexibility. These bars offer superior durability and flexibility, ensuring the safety and longevity of your building.



Heat Resistance: The Ultramax TMT Bars- Fe 500D/550D demonstrate remarkable strength retention at temperatures up to 500°C and only a slight reduction in yield strength at 550°C to 600°C, making them an excellent option for applications that require exceptional thermal stability and strength.



Corrosion Resistance: Ultramax TMT Bars- Fe 500D/550D incorporate advanced German technology with a protective layer of scales that ensures superior corrosion resistance and durability. This makes them an excellent option for harsh and corrosive environments, enhancing their longevity and robustness.

TECHNICAL SPECIFICATIONS

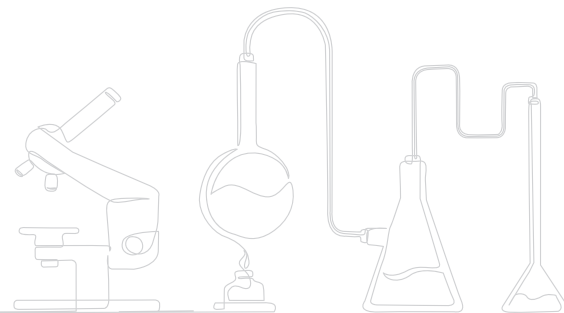
CHEMICAL COMPOSITION

INGREDIENTS	ULTRAMAX FE 550D	BIS (MAX.)
Carbon Max (%)	0.20	0.25
Manganese (%)	0.5 to 0.80	0.5 to 0.80
Sulphur (%)	0.030	0.040
Phosphorus (%)	0.035	0.040
Carbon Equivalent	0.30 to 0.35	0.27 to 0.61

We also manufacture Low Alloy Steel as per IS 1786:2008 (Latest)

MECHANICAL PROPERTIES

GRADE	YIELD (min N/sq mm)		UTS (min N/sq mm)		ELONGATION (min %)	
	BIS	ULTRAMAX	BIS	ULTRAMAX	BIS	ULTRAMAX
Fe-550	550	560	585	610	10.0	18
Fe-550D	550	570	600	630	14.5	20



INDUSTRY COMPARISON SPECIFICATIONS



SIZE	SPECIFIC WEIGHT	BIS STANDARD		MARKET STANDARD		ULTRAMAX TMT		SAVINGS IN TERMS OF WEIGHT
	Gm/m	Tolerance Gm/m	% Variation	Tolerance Kg/mtr	% Variation	Tolerance Kg/mtr	% Variation	
8mm	0.395	0.367 to 0.423	7.000	0.387 to 0.410	+4 to -2	0.370 to 0.390	-1.27 to -6.33	5.50%
10mm	0.617	0.574 to 0.660	7.000	0.605 to 0.642	+4 to -2	0.585 to 0.610	-1.10 to -5.20	5.50%
12mm	0.888	0.844 to 0.932	5.000	0.870 to 0.924	+4 to -2	0.850 to 0.870	-2.0 to -4.28	4.50%
16mm	1.580	1.500 to 1.659	5.000	1.548 to 1.643	+4 to -2	1.520 to 1.540	-2.53 to -3.80	4.50%
20mm	2.470	2.396 to 2.544	3.000	2.445 to 2.519	+2 to -1	2.400 to 2.440	-1.20 to -2.83	3.0%
25mm	3.850	3.735 to 3.965	3.000	3.812 to 3.965	+2 to -1	3.760 to 3.800	-1.3 to -2.35	3.0%
28mm	4.830	4.686 to 4.975	3.000	4.780 to 4.926	+2 to -1	4.700 to 4.760	-1.5 to -2.7	2.75%
32mm	6.310	6.120 to 6.500	3.000	6.270 to 6.436	+2 to -1	6.180 to 6.250	-1.0 to -2.0	2.75%

OUR ACCREDITATION

CERTIFICATIONS



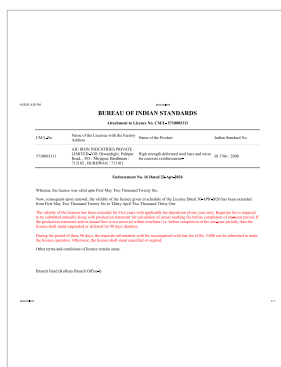
ISO-9001-2015



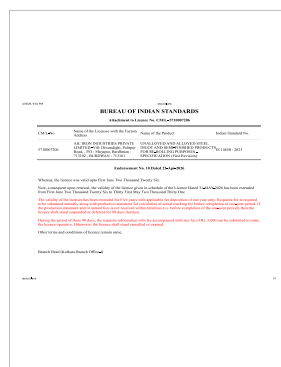
ISO-14001-2015



ISO-45001-2018



TMT BAR
(BIS 1786:2008)



BILLET
(BIS 14650:2023)



THERMEX QST LICENCE



GREEN PRO CERTIFICATE- 500D
(All Dia-8mm-32mm)



GREEN PRO CERTIFICATE- 550D
(All Dia-8mm-32mm)

THIRD PARTY MATERIAL QUALITY TEST CERTIFICATE

- National Test House, Kolkata, Ministry Of Consumer Affairs, India
- Dept. of Construction Engineering, Jadavpur University
- National Institute of Technology, Silchar
- National Institute of Technology, Agartala
- Mangalam Testing Bureau
- Omega Testing Services, Kolkata
- Bhutan Standards Bureau
- Shriram Institute For Industrial Research, New Delhi



UltraMax[®]₅₀₀

PIPES & TUBES

ULTRA SHAKTI! MAXIMUM MAZBOOTI!

ULTRAMAX

PIPES AND TUBES

Adukia Industries is proud to offer a wide selection of high-quality ERW Pipes & Tubes, which are ideal for use in transporting gas and liquid substances such as oil and gas. Our pipes are longitudinally welded and manufactured from strip/coil, allowing for reliable and efficient performance in even the most demanding applications.

With the capability to produce pipes up to 6" OD, we are able to provide a versatile range of options to meet the specific needs of our customers.



Product Range:

The Ultramax brand has earned a reputation as a symbol of excellence, and is the preferred choice of discerning customers who place a premium on quality and strength. Our brand's name has become synonymous with unparalleled performance, reliability, and durability, and we strive to maintain this standard of excellence with every product we offer.

Our steel pipes are designed for use in the air, water & structural applications and are manufactured to meet the rigorous standards of IS: 1239, IS: 1161, IS: 3601, IS: 4923

Quality Assurance:

At AIC Iron Industries Pvt. Ltd. we are dedicated to maintaining the highest standards of quality in all aspects of our operations. With commitment to total quality control, we have integrated rigorous testing procedures into our manufacturing process to ensure that every product we produce meets our exacting standards. In our pursuit of excellence, we continuously invest in the latest equipments for quality assurance, allowing us to deliver the utmost in product reliability and customer satisfaction.



SIZE CHART **ROUND PIPES**

For uses in water, gas, steam and airline confirming to IS:1239 and
For uses in structural purposes conforming to IS:1161

NOMINAL BORE		OUTSIDE DIAMETER		WALL THICKNESS	KG/MTR
mm	Inch	Min. (mm)	Max. (mm)	mm	
20	3/4	26.3	26.3	1.2	0.800
		26.3	26.3	1.6	1.08
		26.3	26.3	2.0	1.25
25	1	33.3	34.2	1.40	1.12
		33.3	34.2	1.60	1.27
		33.3	34.2	1.80	1.42
		33.3	34.2	2.00	1.57
		33.3	34.2	2.20	1.70
		33.3	34.2	2.50	1.92
		33.3	34.2	2.80	2.13
		33.3	34.2	3.20	2.37
32	1.25	41.9	42.5	1.40	1.42
		41.9	42.5	1.60	1.62
		41.9	42.5	1.80	1.80
		41.9	42.5	2.00	2.00
		41.9	42.5	2.50	2.47
		41.9	42.5	2.80	2.75
40	1.5	47.8	48.4	1.40	1.63
		47.8	48.4	1.60	1.83
		47.8	48.4	1.80	2.08
		47.8	48.4	2.00	2.30
		47.8	48.4	2.20	2.50
		47.8	48.4	2.50	2.83
		47.8	48.4	2.80	3.17
		47.8	48.4	3.20	3.50
50	2	59.6	60.2	1.40	1.92
		59.6	60.2	1.60	2.33
		59.6	60.2	1.80	2.62
		59.6	60.2	2.00	2.90
		59.6	60.2	2.20	3.17
		59.6	60.2	2.50	3.57
		59.6	60.2	2.80	4.00
		59.6	60.2	3.20	4.50
65	2.5	75.3	76.6	2.00	3.67
		75.3	76.6	2.20	4.00
		75.3	76.6	2.80	5.17
80	3	88	88.3	2.2	4.65
		88	88.3	2.5	5.27
		88	88.3	2.8	5.88
100	4	114.3	114.3	2.5	6.87
		114.3	114.3	2.8	7.70
		114.3	114.3	3.2	8.75
125	5	139.2	139.4	2.8	9.4
		139.2	139.4	3.2	10.7
150	6	164.4	166.3	3.2	12.90
		164.4	166.3	4.2	16.80

SIZE CHART

SQUARE AND RECTANGULAR PIPES

Square Hollow Section Tubes (SHS)
confirming to IS:4923

DESIGNATION (mm X mm)	DEPTH WIDTH	THICKNESS (mm)	KG/MTR
20X20	20	1.60	0.75
	20	2.00	1.08
	20	2.2	1.25
25X25	25	1.40	1.12
	25	1.60	1.27
	25	1.80	1.42
	25	2.00	1.57
	25	2.20	1.70
	25	2.50	1.92
	25	2.80	2.13
	25	3.20	2.37
32X32	32	1.40	1.42
	32	1.60	1.62
	32	1.80	1.80
	32	2.00	2.00
	32	2.50	2.47
	32	2.80	2.75
38X38	38	1.40	1.63
	38	1.60	1.83
	38	1.80	2.08
	38	2.00	2.30
	38	2.20	2.50
	38	2.50	2.83
	38	2.80	3.17
	38	3.20	3.50
48X48	48	1.40	1.92
	48	1.60	2.33
	48	1.80	2.62
	48	2.00	2.90
	48	2.20	3.17
	48	2.50	3.57
	48	2.80	4.00
	48	3.20	4.50
60X60	60	2.00	3.67
	60	2.20	4.00
	60	2.80	5.17
	72	2.20	4.84
	72	2.50	5.40
	72	2.80	6.1
	91	2.50	6.9
	91	2.80	7.80

Rectangular Hollow Section Tubes (RHS)
confirming to IS:4923

DESIGNATION (mm X mm)	DEPTH	WIDTH	THICKNESS (mm)	KG/MTR
40X25	40	25	1.2	1.25
	40	25	1.4	1.5
	40	25	1.6	1.6
50X25	50	25	1.40	1.63
	50	25	1.60	1.83
	50	25	1.80	2.08
	50	25	2.00	2.30
	50	25	2.20	2.50
	50	25	2.50	2.83
	50	25	2.80	3.17
	50	25	3.20	3.50
60X40	60	40	1.6	2.5
	60	40	1.8	2.7
	60	40	2.0	3.0
	60	40	2.5	3.7
	60	40	2.8	4.17
	60	40	3.20	4.50
75X25	75	25	1.6	2.4
	75	25	2.00	3.0
	75	25	2.2	3.20
	75	25	2.5	3.7
80X40	80	40	2.00	3.6
	80	40	2.20	4.00
	80	40	2.80	6.0
96X48	96	48	2.0	4.6
	96	48	2.8	6.00
122X61	122	61	2.0	5.60
	122	61	2.5	6.9
	122	61	2.8	7.70





UltraMax

WIRE RODS

WEAVING SUCCESS WITH QUALITY WIRES

ULTRAMAX

WIRE RODS

As a premier manufacturer of iron and steel products, Adukia Industries is dedicated to delivering cutting-edge solutions for the wire drawing industry. Our extensive product line includes high-quality stainless wire rods and HB wires, which are utilized by wire drawing mills worldwide. Leveraging our expertise in heat treatment and hot rolling billets on continuous rolling mills, we are able to produce wire rods and HB wires with the precise chemistry and mechanical properties required for optimal performance. These semi-finished products feature a round cross-section and are coiled for easy handling and transportation. Currently, we offer wire rods with a diameter of 5.5mm, ensuring that our customers receive the exact products they need to achieve their goals. We manufacture raw materials in-house, allowing us to produce high-quality wire rods and HB wires in an efficient and cost-effective manner.



Chemical Properties:

C (%)	Mn (%)	S (%)	P (%)	Si (%)
0.10 - 0.15	0.40 - 0.60	0.035 max	0.025 max	0.03

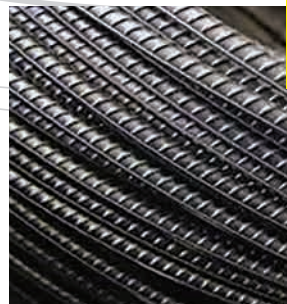
Mechanical Properties:

UTS (Mpa)	% Elongation
480 ± 20	30 min

OTHER PRODUCTS



Rings (8 mm)



Torkari (5.5 mm)



Nails (1 – 6 inch)

INTEGRATED STEEL PLANT



SPONGE IRON



PELLETS



FERRO ALLOYS



BILLETS



TMT BARS



HR COILS



ERW PIPES AND TUBES



WIRE RODS AND HB WIRES

INTEGRATED
STEEL PLANT
CATERING CLIENTS
PAN-INDIA

OUR CLIENTS



GOVERNMENT APPROVALS



Public Health Engineering Department
Government of West Bengal



एचपीसीएल राजस्थान रिफाइनरी लिमिटेड
HPCL Rajasthan Refinery Limited



MANUFACTURING PROCESS OF

ULTRAMAX TMT BARS & COILS

Ultramax TMT Bars are manufactured by sourcing premium Iron Ore, Coal, and Dolomite from top global mines, which are processed in a KILN unit to create pliable sponge iron. This material is refined in a Direct Reduced Iron (DRI) unit, chemically tested in a continuous billet caster for composition, and then heated and rolled into high-strength TMT bars. After undergoing rigorous final quality checks, the bars can be cut and bent to custom project specifications before being dispatched to construction and infrastructure sites across India and worldwide.



OUR PRESENCE

SALES ZONE







ADUKIA INDUSTRIES

UltraMax[®]
500

550D TMT BAR

ADUKIA INDUSTRIES



Corporate Office:

25, Ganesh Chandra Avenue, 4th floor, Paul Mansion, Kolkata - 700013, India



033 22217535/7536



Factory Address:

N N Ispat Unit, Dewandighi, Palitpur Road, Purba Bardhaman - 713102, West Bengal, India



Branch Office:

AIHP Palms, Plot No 242-243, Rao Gajraj Singh Marg, Udyog Vihar Phase IV, Gurugram, Haryana - 122015



Enquiry:

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project.infra@adukiaindustries.com



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