

## PLATES

Our Hazira manufacturing complex houses India's widest modern steel plate mill, producing 5-meter-wide plates with a capacity of 1.5 MTPA. The mill produces value-added plates with tight dimension tolerance for specialized applications, all in accordance with international standards. The mill is equipped with the latest normalizing and quenching & tempering (Q&T) facilities for producing normalized plates up to 100 mm and quenched and tempered plates up to 70 mm thickness for specialty applications such as earth moving armor applications, shipbuilding, navy, etc.



### BENEFITS

- Import substitute for high value, high quality steel
- Strategically located plant to ensure timely delivery
- Better yield, quality and durability
- Optimized thickness to strength ratio
- Excellent weldability
- Excellent abrasion, corrosion and wear resistance
- Current certifications - ABS, DNV, NKK, GL, API, BV, DHR, BIS and other international certifications continually added



### APPLICATIONS

- Wind mills
- Heavy earthmoving machinery and mining equipment
- General fabrication and engineering
- Line pipes
- Shipyards
- Offshore platforms
- Refineries
- Boilers and pressure vessels
- Defense
- Railways
- Construction
- Hydropower engineering



### FEATURES

- Widest plate mill producing up to 5 m wide plates
- Customized products as per application requirements
- Value-added products through Thermo-Mechanical Control Process (TMCP) and Accelerated Direct Cooling Operation (ADCO)
- Shot blasted and primer coating facility



### DIMENSIONAL CAPABILITY

- Thickness: 6 - 150 mm
- Width: 1,100 - 5,000 mm
- Length: Up to 25,000 mm
- Weight: 14MT (max), 17MTplied on case to case basis



## PRODUCTS

- Steel plates for shipbuilding - ABS A, B, D, AH32, DH32, DH40, EH40
- Steel plates for mechanical structures - ASTM A36, SAE1010, SAE1060, SAE4150
- Steel plates for boiler and pressure vessels - ASTM A285 gr. A, B, C, A515 gr.55, 60, 65, A516 gr.55, 60, 65, 70
- Steel plates for line pipes - APIX 42 to APIX 80
- Yellow Goods - Rockstar 400, Rockstar 450, Rockstar 500
- Offshore structural application - API 2H, 2Y & 2W
- Weathering & Corrosion Resistant - ASTM A441 A588 Gr A, B, C, K
- General Engineering / Structural steel - EN 10025-2 S235 J2/ S235 J2+N, S355 J2/ S355 J2+N, ASTM A 283 Gr. C, A 573 Gr. 70, A572 Gr.50 Type 2, ASTM A 588 Gr. A/Gr. B



## SUPPLY CONDITION

- As Rolled
- Normalized Rolled
- Thermo-Mechanical Controlled Rolled
- Furnace Normalized
- Quenched / Quenched and tempered (Q&T)
- Shot blasted and primer coated
- Ultrasonically tested using online UT machine up to 50 mm and manual UT up to 150 mm

## HOT ROLLED COILS / SLITS / PLATES

AM/NS India Steel has state-of-the-art hot rolling mills with a rated capacity of 8.6 MTPA. The facilities include a conventional hot rolling mill and a modern compact strip mill. The mills are capable of producing a wide range of high-strength hot rolled products in sizes ranging from 0.8 mm to 20 mm for various applications. The mills are equipped with an advanced automation system for producing products as per the required dimensions and sizes.



### BENEFITS

- Excellent cold forming and deep drawing properties
- Import substitute for high value, high quality steel
- Excellent weldability
- Consistency in quality
- Accreditation from BIS, RDSO etc.



### APPLICATIONS

- General engineering
- members, axles
- Shipbuilding
- Defence
- LPV
- Automotive wheel rims / disc, chassis, long member / cross
- Boilers and pressure vessels
- Railways
- Structural construction
- Compressor cell
- Boilers and pressure vessels
- Oil and gas pipelines
- API Line pipe



### FEATURES

- One of the widest hot strip mill in India, having width up to 2,000 mm
- Product conforming to national and international standards
- Dimensional tolerances customised to specific requirements
- Available in coil / slit / sheet form



### SUPPLY CONDITION

- TMill edge / trimmed / Slit coils
- HR black / Hot Rolled and Pickled Oiled (HRPO)



## GRADES

- Cold forming and deep drawing (EN 10111 DD11 to DD 14)
- Re-rolling grades (EN 10130 DC01, IS 1079 HR0, IS 11513 CR2, IS 11513 CR3)
- Medium carbon / high carbon steels (SAE\_1012 to SAE\_1080)
- High strength steels: (JIS G 3113 SAPH310/370/400/440, JIS G 3134 SPFH-540/590, EN 10149-2 S550MC/S650MC, S700MC, EN10346 HCT590X / (DP590 / DP600)
- Stretch flangable steel (EN 10338 HDT580F / (FB590 / FB590 HHE),
- Boron steel family for agricultural equipment (EN 10083 \_ 28MnB5, 30MnB5)
- Line pipe – API X42 to X-80 grades (Sour and Non Sour Applications)
- LPG Cylinder (IS 6240 GR 1)
- Structural steel (EN 10025 S235/S275/S355 \_ J2/JO/JR; IS 2062 E 250 A/BO/BR; IS 2062 E 350 A/BO/BR)
- Ship building grades (ASTM A131 \_ ABS A, B, D, E, AH 32, AH 36, DH 32, DH 36)
- Corrosion resistant steel (IRSM 41, EN\_10155\_S355J2G1W / S355\_JOWP)
- Boilers and pressure vessels grades (ASTM A516 Gr 55/60/70, ASTM A515 Gr 60/70, A285 Gr C)
- Electrical steel
- LPV grades (BS\_5045\_PART\_2\_TY\_A, B, C; EN\_10120\_P245NB / P265NB)



## DIMENSIONS

- Thickness: 0.8-20mm
- Width: 180-2,000mm

### DIMENSIONAL CAPABILITY

Product Form	Thickness	Width	Length
HR black	0.8 mm - 20 mm	180-2,000 mm	Coil / CTL max 12500 mm
HRPO	1.6 - 12.0 mm	1850 mm Max	Coil / CTL max 12500 mm
Hot skin pass	1.6 – 20 mm	800 – 2000 mm	Coil / CTL max 12500 mm
Hot skin pass	1.2 – 20 mm	50 - 2,000 mm	Coil / CTL max 12500 mm
Cut to length	0.8 – 20 mm	180 - 2,000 mm	3000-12500 mm