

Product Information:

# GREEN STEEL PLATES



**VULCAN  
GREEN STEEL**  
PART OF JINDAL STEEL GROUP

Vulcan is a leading industrial powerhouse that is part of the Jindal Steel Group. Jindal Steel Group operates at **13.5 MTPA** steel capacity and exports to more than **30 countries** worldwide. From the widest flats to a range of cutting-edge long products, Jindal Steel Group has a product portfolio that caters to various sectors of the steel market.

Jindal Steel Group is one of the largest private steel-makers in GCC and operates in Oman with **2.4 MTPA** DRI-EAF capacity. We have one of the lowest carbon footprints for virgin steel and have sustainability at the forefront of our agenda.

Vulcan Green Steel is our marquee initiative to produce true green steel and takes a significant stride to combat climate change.

With Vulcan Green Steel, we are setting up one of the largest green steel plants in the world in Duqm, Oman.

The Duqm Green Steel Plant will be powered completely by renewable energy sources such as solar, wind & pump-hydroelectric storage, ensuring round-the-clock green power supply to achieve one of the **lowest carbon footprints** in the world.

The plant shall be well equipped with latest technology plate mill to supply plates for wind energy, yellow goods, construction, shipbuilding, Oil & Gas (API) & pressure vessels sectors; as well as a state-of-the-art mill to supply Hot Rolled Coils for automotive, tubes & pipes, and construction sectors. We will also provide downstream products (HR Pickled, Cold Rolled Coils, Galvanized, CRNO, etc.) for automotive and construction sectors basis market demand.



# VULCAN DUQM TO BE A FULLY INTEGRATED GREEN HYDROGEN READY STEEL PLANT



**6 MTPA Green Steel production**  
(commissioning from 2026 onwards Phase 1)



**24/7 Renewable Energy**  
from solar, wind and PHES



**Electrolyzer capacity of 5-6 GW**  
for green hydrogen



**Jetty adjacent to the plant**  
(worldwide access & reduced in-land transport)

## Vulcan offers Unique opportunity

to bringdown emissions due to operational controlover full value chain



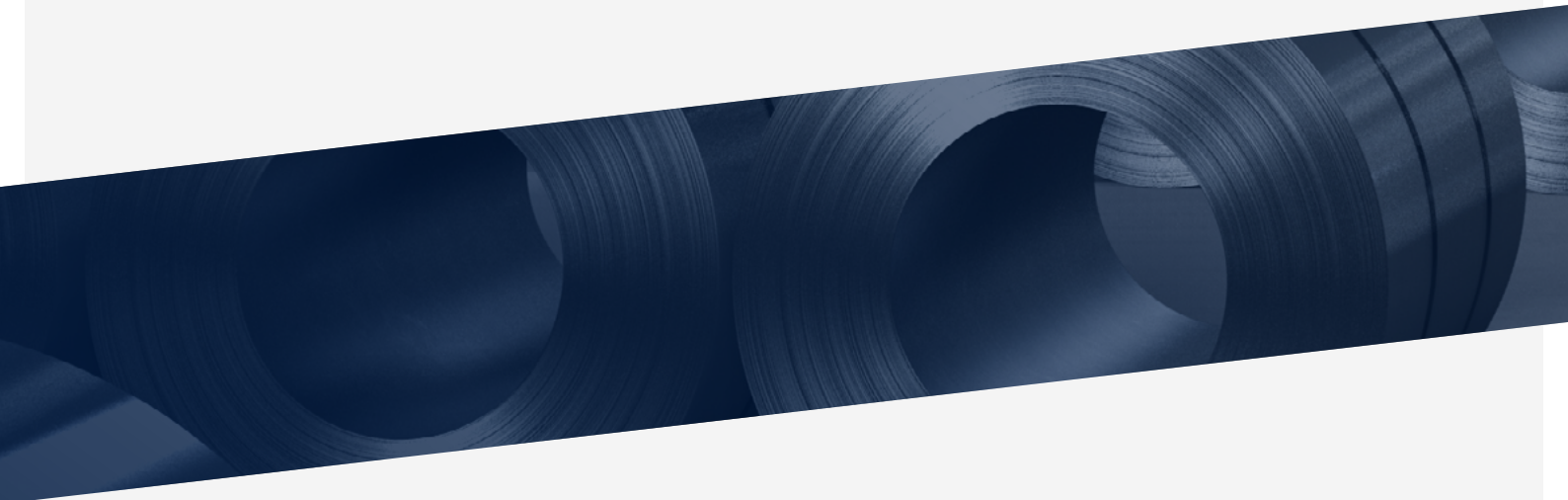
**Vulcan owns high quality iron ore minesin Cameroon and South Africa**  
(Vulcan iron ore mines will be commissionedby 2025)



**Fully backward and forward integrated steel player**  
(from mine to mill)

## Key features

- High Quality steel
- Superior hardness
- Close dimensional accuracy
- Excellent tabletop flatness
- Consistent properties across sections
- High corrosion & wear resistance



## AVAILABLE GRADES

Application	Steel Grade	EN Standard
Wind energy	S 275/355/420/460 N, NL	EN_10025
	S 275/355/420/460 M, ML	EN_10025
Wind energy (Offshore)	S 355 MLO, NLO	EN_10225
	S 420/460 MLO, QLO	EN_10225
Wind energy, Construction	S 235/275/355 JR, JR+N, JO, JO+N, J2, J2+N, K2, K2+N, J0C, J0C+N, J2C, J2C+N, K2C, K2C+N; E 360, E 360+N	EN_10025
Construction	S 235/275/355 J0W, J0W+N, J2W, J2W+N, K2W, K2W+N	EN_10025
Construction, Yellow goods	S 890 Q, QL, QLI; S 960 Q, QL	EN_10025
Wind Energy (Offshore), Yellow Goods	S 500/550/620/690 Q, QL, QLI; P 690 Q, QH, QLI, QL2	EN_10025 and EN_10225
Yellow goods (Including Mining Equipments)	Rockhard 400, 450, 500 (similar grades CAT 1E 1839,0577, 4187; ASTM A514, A517)	ROCKHARD/ CAT/ ASTM 514/ ASTM 517
API (Offshore Structural Applications)	API 2H 42, 50(FN)	API-Monogram - Offshore Structures Products
	API 2W 50, 60, 70, 80 (TMCP)	
	API 2Y 50, 60 (Q&T)	
API (Pipe Line)	API upto X80 (Sour)	API- Line Pipe(Sour and Non Sour)
Pressure vessels (Boilers)	P 355/ 460 M, ML1, ML2 N, NH, NLI, NL2, Q, QH, QL1, QL2; P 420 M, ML1, ML2; P 500 Q, QH, QL1   ASTM - A537 class2, class 3, A387 Gr 11, 12, 22, A738 Gr B, Gr B class 2	EN 10028/EN_10025_EN_10225/ ASTM 537/ASTM738_ASTM 387
Pressure Vessels (Equipments)	P 235 S, 235 GH; P 265 S, 265 GH; P 275 SL, NH, NLI, NL2; P 295/355 GH, 16 Mo 3, 13 CrMo 4-5	EN_10028
Shipbuilding	A/B/D/E - Normal Strength (NS) A/B/D/E/F H 32/36/40 TM - High Strength (HS) A/B/D/E/F Q 43/47/51/63/70 - Extra High Strength Q&T	ABS/DNV/LR/BV/IRS/KR/NKK
Defence	Multiple grades	Defence

**i** Note: Tailor made specifications on Technical Delivery Conditions available

### Available Dimensions

Thickness:	0.80mm – 25.4mm			
Width:	900mm – 2142mm			
Length:	6m – 18m			
Thickness(mm) Width(mm)				
	1000 - 1800	2200 - 3200	3400 - 3600	3600 - 5000
5				
8				
10 - 14				
15 - 300				

### Availability Dates (Trial Quantities)

Sector		Indicative Dates
Construction		August 2027
Shipbuilding		October 2027
Wind Energy		December 2027
Oil & Gas (API)		December 2027
Yellow Goods		December 2027
Pressure Vessels		December 2027



FOR QUESTION OR INQUIRIES, REACH OUT TO



**ALAN DRAPER**

Director, Business Development

+44 7467380050  
alan.draper@vulcangreen.earth



**JAAP PISO**

Director, Business Development

+31 653732677  
jaap.piso@vulcangreen.earth

**Vulcan Green Steel**

The Special Economic Zone at Duqm,  
PO Box 131, PC 700, Al Duqm, Al Wusta  
Governorate, Sultanate of Oman