

Apollo Vikas Group of Companies

Quality First

**Apollo Vikas Group** was incorporated in 1983, by *Lt. Jivrajbhai P. Patel* with a primary vision of preserving natural resources of our country. hence, ventured into manufacturing re-cycled steel and were pioneers of ship recycling industry in India. It has induction capacity of 72000 Metric tonns annually. Group has aided development of various industries in India and catered to steel melting shops & rolling mills, supplied refurbished marine machinaries and industrial oxygen.





# Our Businesses

- Ship Recycling
- Alloy, Carbon & Mild Steel
- Refurbished Machinery



Location: Bhavnagar, Gujarat.

Nearby Sea Ports: Pipavav Port, Mundra Port, Kandla Port, Jawaharlal Nehru Port Trust (JNPT).











Steel Type	Steel Grades
Bearing Steel	En 31, SAE 52100
Carbon Steel	C25HMn, C40, C45, En 8, En 8D, En 9, En 18, 41Cr4
Case Carburizing Steel	En 24, En 353, En 355, 8620, 20MnCr5
Chrom - Moly Steel	SAE 4140, SAE 4135, SAE 4145, EN 19, 42CrMo4
Spring Steel	SUP 7
Stainless Steel	SS 410



## ROUND BARS

Ingot Size	Output Size
4" X 5"	20mm to 36mm
5.5" X 6.5"	38mm to 56mm
7" X 8"	60mm to 80mm
8" X 9"	85mm to 110mm
Forging size in	ngots as per order.



### **HEX BARS**

Ingot Size	Output Size
4" X 5"	25.5mm to 38mm
5.5" X 6.5"	34mm to 42mm
7" X 8"	45mm to 53mm

		REDU	CTION RATI	OS OF ROL	JND BARS		
4	1X 5	5.9	5X6.5		7X8	8	X9
SIZE	RATIO	SIZE	RATIO	SIZE	RATIO	SIZE	RATIO
20MM	41.6:1	38MM	20.4:1	56MM	14.7:1	85MM	8.21:1
22MM	34.3:1	40MM	18.4:1	60MM	12.8:1	90MM	7.3:1
24MM	28.8:1	42MM	16.7:1	63MM	11.6:1	95 M M	6.5:1
25MM	26.6:1	45 MM	14.6:1	65 MM	10.9:1	100MM	5.9:1
28MM	21.2:1	46MM	13.9:1	70MM	9.43:1	105MM	5.3:1
30MM	18.4:1	48MM	12.8:1	75 MM	8.2:1	110MM	4.9:1
32MM	16.2:1	50MM	11.8:1	80MM	7.2:1		
34MM	14.3:1	53MM	10.5:1				
36MM	12.8:1	56MM	9.4:1				
38MM	11.5:1	60mm	8.2:1			1	

### **ROUND BARS**

65mm

SIZE	LENGHT
20MM	5.9
22MM	6.0
24MM	6.4
25MM	6.2
28MM	6.0
30MM	5.8
32MM	6.2
34MM	5.6
36MM	5.0
38MM	6.5
40MM	6.2
42MM	5.9
45MM	5.1

10.4:1

40MM

1M 6	5.3
1M 6	5.0
1M 5	5.3
1M 4	1.9
1M Z	1.6
1M 6	5.3
1M 5	5.4
1M 4	1.7
1M 4	1.2
1M 4	1.6
1M 4	1.2
1M 7	7.5
MM 6	5.5
MM 6	5.0
1M 7	7. ! 5. !

7:1







Ingot Size	Output Size
4" X 5"	25mm to 38mm
5.5" X 6.5"	34mm to 50mm
7" X 8"	45mm to 53mm



D	CC	DA	RS
N	LJ	DH	CAI

Ingot Size	Output Size
5.5" X 6.5"	45mm to 65mm
7" X 8"	70mm to 80mm



#### FLATS

Ingot Size	Output Size
4" X 5"	40mm to 80mm
Thickness + or	- 5mm in Bright

#### Our Strengths:

- Supply in small lots and timely deliveries.
- Faster stand changes resulting quicker delivery period.
- Achieving superb quality and set chemistry by using same grade scrap.
- Achieving least weight loss and end discards via proper integration of controlled pouring environment.

#### **TESTING FACILITIES**

(In Collaboration with Mangalam Alloys for TESTING and CERTIFICATION)

### **Thermofisher Spectrometer**



**Radiation Testing** 



**Roughness Testing** 

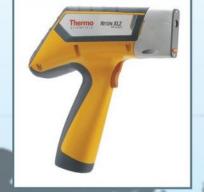


**Tensile Testing** 



UT - DGF - 2.





XRF – PMI Thermofisher

**Hardness Testing** 





**Apollo Vikas Group of Companies.** 

Apollo Vikas Steels Pvt. Ltd.

**Apollo Gases** 

**Apollo Concast Pvt. Ltd.** 

**Apollo Oxygen Industries** 

**Saibaba Ship Breaking Corporation** 

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