



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 tons annually. Group has aided development of various industries in India and catered to steel melting shops & rolling mills, supplied refurbished marine machineries 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 ingots 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 |



| REDUCTION RATIOS OF ROUND BARS | | | | | | | |
|--------------------------------|--------|---------|--------|------|--------|-------|--------|
| 4X5 | | 5.5X6.5 | | 7X8 | | 8X9 | |
| 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 | 95MM | 6.5:1 |
| 25MM | 26.6:1 | 45MM | 14.6:1 | 65MM | 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 | 75MM | 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 | | | | |
| 40MM | 10.4:1 | 65mm | 7:1 | | | | |

ROUND BARS

| SIZE | LENGHT | SIZE | LENGHT |
|------|--------|-------|--------|
| 20MM | 5.9 | 48MM | 6.3 |
| 22MM | 6.0 | 50MM | 6.0 |
| 24MM | 6.4 | 53MM | 5.3 |
| 25MM | 6.2 | 56MM | 4.9 |
| 28MM | 6.0 | 60MM | 4.6 |
| 30MM | 5.8 | 65MM | 6.3 |
| 32MM | 6.2 | 70MM | 5.4 |
| 34MM | 5.6 | 75MM | 4.7 |
| 36MM | 5.0 | 80MM | 4.2 |
| 38MM | 6.5 | 85MM | 4.6 |
| 40MM | 6.2 | 90MM | 4.2 |
| 42MM | 5.9 | 95MM | 7.5 |
| 45MM | 5.1 | 100MM | 6.5 |
| | | 105MM | 6.0 |





SQUARES BARS

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



RCS BARS

| 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.



Hardness Testing



XRF – PMI Thermofisher





Apollo Vikas Group of Companies.

Apollo Vikas Steels Pvt. Ltd.

Apollo Concast Pvt. Ltd.

Apollo Gases

Apollo Oxygen Industries

Saibaba Ship Breaking Corporation

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