

Since 1994

STEELWORLD™

Devoted to Iron & Steel Industry

Vol. 29 No. 5

May 2023

Registered-RNI No. 62719/94

www.steelworld.com

megatherm

An ISO 9001 : 2015 Company

G

✉ j

www.megatherm.com or scan



✔ 465kwh/t Energy Consumption

✔ 95% Load Factor

✔ Lining Health Detection System

✔ 98% Power Factor

Exhaustive Preventive Maintenance Alarms with Remote Access



Dr Rajib Paul

■ India to formulate its own policies to align with global efforts and reduce its carbon footprint

■ TQM ... ways to achieve 3 Ps - Profit, Praise & Peace

■ Growth Prospects of the Steel Industry in India

ET

INDUSTRY LEADER IN COMBUSTION SYSTEMS

UNBEATABLE FIREPOWER FROM

combustion@wesman.com ■ www.wesman.com

TECHNOLOGY TIE-UPS WITH GLOBAL PARTNERS



Applications

- Steel Reheating Furnaces
- Galvanizing Plants
- Ceramic Industry
- Glass Industry
- Pellet Plants

CASE COAL GASIFIERS

28 Years of Customer Satisfaction

- Hot Gasifiers
- Cold Pyrolysis Gasifiers
- CFBC Gasifiers
- Entrained Flow Gasifiers

Automatic
Gasifiers
24x7
Operation.

- Zero Tar.
- Zero Phenol Water.
- Zero Liquid Discharge.
- High Coal Efficiency.
- International Safety Norms.
- Inferior Coal Usage.

www.casepl.com



Corporate office:
117, Charmwood Plaza, Surajkund, Faridabad, Haryana-121009
Tel: +91-129-4266666, Email: info@casepl.com



EDITOR

D. A. Chandekar
B.E. (Met.) DBM, DJMC

PRODUCTION

Anita Chandekar

DESIGN & LAYOUT

Ace Graphics

MARKETING

Mrinal Nath

CIRCULATION

Prachee More

Administrative Office

1, Alpha, M. G. Road, Vile Parle (E),
Mumbai - 400 057. India

Tel. : 91-22-2619 2376,
2617 1575 / 2617 1866

Email :

Marketing : info@steelworld.com
Editorial : editorial@steelworld.com
Website : www.steelworld.com



facebook.com/pages/Steelworld/
621590691216613



steelworldblog.wordpress.com



twitter.com/ChandekarSteel



linkedin.com/company/13423799/



youtube.com/channel/
UCJLJDOXYZTm12RuhR09wjuw

Editorial Desk



D. A. Chandekar
Editor

Dear Readers,

The special steels sector is really special in the big umbrella of iron & steel industry. As we know, the iron and steel industry comprises of many sub-sectors like mining, sponge iron making, melting, rolling, etc. based on the process and also likes of special steels, stainless steels, high speed steels which are based on composition and applications.

More than 75 % steel produced in the country belongs to mild steel category and is mostly used in infrastructure and construction sector. With only carbon as the alloying element and absence of other alloying elements like chromium, manganese, silicon, boron etc. the metallurgy of these steels is comparatively simple. Also as they are mostly used in infra and construction where strength is the most important parameter, requirement of specific mechanical properties is also not very stringent. This is not the case with special steels. There are thousands and thousands of grades and specifications which produce different metallurgical and

mechanical properties. This in turn makes special steels useful in variety of applications, right from automobile gear parts, flanges to the springs used in railways. Alloy addition is done during the melting and is the most delicate as well as important part in special steel making. Any error in this process will alter the chemistry and whole heat may become off grade. This will naturally result in huge commercial losses as in many cases such off grade heat has to be recycled and re melted. Thus a chief metallurgist of a special steel plant plays a very crucial and decisive role in running of the plant in a viable way, something similar to a specialty food restaurant.

Conventionally around 50 % of special steels were used in automobile industry and the remaining in various industries like power, infra, engineering, etc. Now in last few years, due to a great forward leap by Indian automobile sector, their share in the total special steels production has increased to around 65 %. Also the new sector which has emerged as a big consumer of special steels in Defense. As you know, now a days, a lot of emphasis is being given to indiginization of defense equipment. Further India has also started exporting defense equipment. All this has given a big boost to special steels sector and today defense consumes around 25 % of special steels in the country.

Thus with consumer industries like automobile and defense progressing well, the future of special steels in the country looks secured and bright !

Write your comments :
<https://steelworldblog.wordpress.com/>

Content

Face to Face



6 India to formulate its own policies to align with global efforts and reduce its carbon footprint

Dr Rajib Paul, Director, National Institute of Secondary Steel Technology (NISST)

News Update



24 The automation in the steel industry is the need of the hour- Sri Atul Bhatt, CMD, RINL



“RINL presented the prestigious “ Greentech Safety Award 2023”

Technology

18 TQM ... ways to achieve 3 Ps - Profit, Praise & Peace

Sapan Kumar
Bardhan



26 JSW Steel crude steel output grows 7% to 1.777 MT in April 2023



Amarendu Prakash
takes charge as
Chairman SAIL

Industry Update



20 Growth Prospects of the Steel Industry in India

Steelworld
Research Team

Statistics

28 SIAM Passenger vehicle wholesalers post record sales in May

Disclaimer :

The views and opinions expressed in the articles are solely of the authors. The Editor may not subscribe to these.

Feedback :

Your feedback / suggestions regarding the content will be appreciated
editorial@metalworld.co.in

Concast (India) receives esteemed ISO 9001:2015 certification

We are thrilled to announce the achievement of this latest milestone: the ISO 9001:2015 certification.

The ISO certification highlights certain strengths, which are testament to the fact that we are on right trajectory:

1. Strengthened our regional presence in order to serve customers better
2. A sharper focus on exports
3. Greater standardisation of all our continuous casters
4. Higher digitisation of our business processes
5. Following through diligently on our after-sales services
6. A more concrete commitment to fortifying the Concast (India) brand in the continuous casting market.

Having these strengths recognised means that we as an organisation are committed to fulfilling the requirement of our customers by leveraging best practices across our processes, policies, resource management, analysis and implementation.

The addition of this certification to our repertoire is yet another step towards maintaining our leadership position, and empowers us to keep going with maximum enthusiasm.





India to formulate its own policies to align with global efforts and reduce its carbon footprint

“India to reduce the carbon footprint to remain compliant with environment and cost efficiency. This will not only enhance our capabilities but also contribute to the overall growth and development of the secondary steel sector”

Dr Rajib Paul, Director, National Institute of Secondary Steel Technology (NISST)



Dr. Rajib Paul, the Director of the National Institute of Secondary Steel Technology. With an impressive career spanning 32 years, including notable positions in international organizations such as Arcelor Mittal, Bar and Steel, and SR Steel Limited India, We are delighted to have Dr. Rajib Paul here today to delve into the technological challenges facing the iron and steel industry in our country.

D.A. Chandekar, Editor & CEO of Steelworld magazine had an exclusive interaction with Dr. Rajib Paul, Director-NISST to understand the latest technological trends in the steel production and best innovative processing technology in the country which will be helpful to reduce the carbon footprint. He further elaborated more on the NISST activities and

to create more awareness about the next technological changes are needed for sustainable future.


Excerpts :

What are the latest technology trends in the steel production and processing technology available in the country?

The current trend in steel processing technology remains largely unchanged, encompassing blast furnaces, direct reduction processes (both coal-based and gas-based), basic oxygen furnaces (BOF), electric arc furnaces, and induction furnaces. However, there is a growing emphasis on integrating energy-saving technologies such as Top Recovery Turbines (TRT), coal dry quenching (CDQ), and other supplementary measures to reduce energy and fuel consumption,

thereby lowering costs. Additionally, there is a focus on increasing the capacity of blast furnaces while minimizing energy consumption, incorporating practices like pulverized coal injection (PCI), hydrogen injection, and natural gas injection. The adoption of hydrogen-based direct reduced iron (DRI) technology is gaining traction worldwide, with efforts directed towards making it more cost-effective. Many companies are also exploring ways to produce hydrogen at a reduced cost. These technological advancements are currently driving industry trends. Notably, when comparing blast furnaces to gas-based or coal-based DRI plants, the reduction process in DRI plants occurs at lower temperatures around 900-950 degrees Celsius. In contrast, blast furnaces operate at significantly higher temperatures, leading to

DANIELI

 CENTRO COMBUSTION

chooses
THE BEST
for
KOSKO
South Korea



Flue gas recovery 84% ●
Minimum pressure drop ●
Delivery less than 3 months ●



ZERO
MAINTENANCE.
FIT & FORGET



40+
YEARS
EXPERIENCE



100%
CUSTOM
DESIGNED



4500+
INSTALLATIONS
WORLDWIDE

EASTERN EQUIPMENT & ENGINEERS P. LTD.

12, Pretoria Street, Kolkata - 700 071, INDIA

+91 33 22900187

central@recuperators.in



EASTERN
recuperators.in

SMT PROVIDES TURNKEY BASE SOLUTIONS



SMT MACHINES INDIA LIMITED

Since 1993

TMT REBAR & WIREROD MILLS



Successful Running of TMT-8-32mm
Billet Size : 130x6000mm
Location : Nepal
Capacity : Upto 150,000 TPY

SECTION & ALLOYS STEEL MILLS



Successful Running of I-Beam: 600mm
Location : Vishakhapatnam
Capacity : Upto 150,000 TPY

HIGH SPEED EOT CRANES



SMT Achieved to Manufacture & Supply 150+ Cranes.
Capacity : 5-100 MT

HR STRIP MILLS



Successful Running of HR Strip
Product Range : 125-285mm Wide
Thickness : 0.9mm and above
Location : Punjab and Rourkela
Capacity : Upto 150,000 TPY

SMT is well equipped with Latest Technologies, Workmanship & Dedicated to serve there Clients with Professional Skills

Address: G.T. Road, Near Focal Point, Mandi Gobindgrh, Punjab - INDIA
Website: www.smtmachinesindia.org Email: info@smtmachinesindia.org

PRODUCT RANGE



**SMT MACHINES
INDIA LIMITED**

Since 1993

MILL STAND

- Roughing Mill : Fibre/Bearing
- Continuous Mill : 2Hi-Close Top/Housing Less/4 Hi Strip Mill Stands.
- Finishing Mill : High Speed Multi-Row & Contilever.

GEAR BOXES

- Designed for 50000 Hrs Durability.
- Hardened & Ground.
- Gear Grinding at CNC-Hofler;Germany.
- Fabrications are Stress Reliever prior to Machining.
- Mechanical labyrinth seals are equipped.
- Tested for 48Hrs before Dispatch.

SHEARS

- Billet Shear : Hot/Cold.
- Crop & Cobble Shears: Crank & Flying.
- Bar Dividing Shear: COS, CFS & Cold Shear.
- Strip Cutting: Drum Shear.

DELIVERY EQUIPMENT

- Complete Delivery Equipment Range for Bars, Strips, Wires & Sections.
- Includes: Twin Channels, Braking Side, All Type Automatic Cooling Beds etc.

HANDLING AREA

- Complete Solution for Handling Bars, Stipes, Wires & Sections.
- Includes: Roller Tables, Slat Conveyors, Skew Tables, Chain Transfer, Bending and Bundling Equipment Recoilers etc.

E.O.T CRANE

- 5-100 MT Capacity for all Applications and area of work.

To Know More : +91-93574-11003

Contact Us : +91-93577-55555



Face to Face

greater energy losses. To address this, companies and governments are actively seeking reduction technologies that closely resemble direct reduction processes such as Midrex and HYL, as well as exploring coal gasification for iron ore reduction instead of conventional coal-based methods. These are the prevailing trends observed in the industry today.

Globally I think there is a conscious effort to reduce the carbon footprint. And it can be called as green steel making. A lot of experiments are being conducted and lot of research is being done in the country.

Could you please update us more on what kind of technological upgradation & research work going in India ?

The global focus on reducing carbon emissions and achieving green steelmaking is reflected in the ongoing research and experimentation taking place in India. The government has taken a proactive approach by forming task forces and committees comprised of eminent individuals. These entities are working to develop methodologies, including taxonomy and monitoring systems, to measure and account for CO₂ emissions across different steelmaking processes. The aim is to make emissions measurable and comparable, enabling effective research and

development (R&D) and financing strategies. Additionally, India is considering the implications of the European market's Carbon Border Adjustment Mechanism (CBAM), which will assess and account for the CO₂ emissions associated with imported steel. India is formulating its own policies to align with



global efforts and reduce its carbon footprint. The government aims to be an active participant in reducing emissions and avoiding becoming a victim of such mechanisms. In terms of R&D, there is a focus on improving the current coal-based direct reduced iron (DRI) process. Efforts are being made to transition from horizontal kilns to vertical kilns, enhancing energy efficiency and the effectiveness of the reduction process. Methods like mid-rex and H-Vile are being explored for their higher reduction effectiveness and smaller land footprint. Overall, India is actively engaged in research and development, seeking innovative solutions to reduce carbon emissions and contribute positively to global sustainability efforts in steelmaking.

What is the current activity profile of NISST and its aims to spearhead into secondary steel technology. So, we would like to know from you what activities are being conducted at NISST?

We are heavily involved in consulting services, not just limited to expansion projects in steel plants. Our focus extends to helping companies improve energy efficiency and conducting energy audits. We are accredited energy auditors with the Bureau of Energy Efficiency (BE) and actively collaborate with them in various committees. We provide assistance in the Perform, Achieve, and Trade (PAT) scheme, which aims to reduce energy consumption. Additionally, in conjunction with the Ministry of Steel, we are developing a scheme that prioritizes both energy efficiency and carbon footprint reduction. This scheme will evaluate the CO₂ emissions per ton of steel produced, moving away from an oil-equivalent basis used in the PAT scheme. We are also investigating the carbon footprint associated with iron ore extraction and coal mining, aiming to establish a comprehensive accounting philosophy. Collaborating with the BE, we will create baseline data for the country, enabling the formulation of appropriate policies. Currently, the industry lacks clarity on the specific CO₂ emissions per ton of steel produced. Therefore, the government's guidance is crucial, allowing major and secondary steel producers to align their efforts accordingly. Ultimately, our goal is to

VAS

SPECTROMETERS

PLATINUM SERIES METAL ANALYZER

REINFORCED WITH **FUTURISTIC DESIGN**
FOR MEETING THE NEEDS OF **STEEL INDUSTRY**



GOLD PLUS X



SILVER PLUS



eMission



VAS SPECTROMETERS PVT. LTD.

Unit No 107, Bldg No 17,
Samhita International Complex
MTNL Lane Off. Sakinaka,
Andheri, Mumnai 400 072
INDIA

www.vasbharat.in

www.vasspectrometers.com

www.vas-spectrometers.com



sales@vasbharat.com

LEADING INNOVATION IN SPECTROSCOPY



Face to Face

reduce the carbon footprint in the country, benefiting both the environment and cost efficiency. We will assist companies in identifying necessary

production technology matures and becomes more accessible, steelmaking may begin to incorporate hydrogen. However, it's important to note that the



investments and provide guidance on financing options. To strengthen our organization, we are actively recruiting younger talent, as directed by our esteemed minister. This will not only enhance our capabilities but also contribute to the overall growth and development of the secondary steel sector. Additionally, we are dedicated to addressing safety concerns, which have often been neglected in the secondary steel sector.

What are the major technological changes you foresee in the future?

The adoption of hydrogen-based technology in the steel industry is anticipated in the future, but currently, hydrogen production is costly, and suppliers prioritize other sectors over steel. The availability of hydrogen for the steel sector would improve if it were granted infrastructure status in the country. Over the next 5-6 years, as hydrogen

steel industry is not actively pursuing hydrogen production technologies themselves, as hydrogen technology is a separate business. Currently, the focus for steel producers is on reducing costs and minimizing carbon footprints using the best available technologies worldwide. One such approach is scrap preheating, where scrap is directly used in the steelmaking process, resulting in significantly lower carbon emissions. Although scrap availability is limited in the country, the circular economy is gradually taking shape and will mature over time. However, the transition to a fully developed circular economy will require further progress and time. As of now, the steel industry is primarily focused on reducing costs and carbon footprints through existing technologies, while the incorporation of hydrogen in the steelmaking process is

expected to occur in the future.

I think in fact the newsclippage policy will also help us to go in that direction. Because more vehicles will be available for scrapping and that will generate more scrap, isn't it?

That is true. Here also Tata Steel has established a scrap unit and is in the process of setting up a scrap melting unit in Ludhiana, which will effectively reduce their overall carbon footprint. Other major steel players like SAIL are also focused on increasing their consumption of scrap. As scrap becomes a scarce commodity, it is essential to develop a robust scrap policy that includes both domestic and imported scrap. It is worth noting that the global price of scrap cannot exceed the price of rebars (TMT), creating a price gap of around \$80-100. Consequently, scrap prices will remain under control, as individuals and businesses who purchase scrap will convert it into rebars. In India, there will likely be a policy to import a higher quantity of scrap if it is available at a more affordable price, as this can help reduce the high supply chain costs in the country. Currently, the cost of bringing steel to Mumbai port is often cheaper than transporting it to the hinterland, such as Bhopal, due to freight costs. Therefore, efforts should be made to consciously reduce freight costs, particularly through initiatives like the Dedicated Freight Corridors (DMT). By reducing overall freight costs, the prices of imported scrap can also be lowered. ■



HOLLTECK INDIA

RE-B-2 Roller Entry Guides



RE-SP-2 Roller Entry Guides



TE-Trough Entry Guides



ES-Static Entry Guides



RT- CS 2/3/4 Roller Slitter Guides



RE-AZ-Wire ROD Block Guides



RE-WBF with Stabilizer



RE-WB-2 Roller Entry Guides



RE-EB-2 Roller Entry Guides



Sliding Saddle Rest Bar



Bench Optics



TD- Trough Delivery Guides



For any queries, please contact : +91 9871774031 / +91 9910947425
E-mail : rajesh@hollteck.in / projects@hollteck.in



TQM ... ways to achieve 3 Ps - Profit, Praise & Peace

Total Quality Management (TQM) is a management approach that aims to optimize business processes and improve customer satisfaction by ensuring that every aspect of the organization is focused on quality. It is a comprehensive system that involves all employees in the organization from top-level management to front-line workers, in a continuous effort to improve processes, products, and services. The ultimate goal of TQM is to achieve profit, praise and peace by delivering high-quality products and on-time services to customers. The philosophy of TQM is ~ 'Doing Right Things Right ... First Time & Every Time and it has to start from choosing of right person for the right position ... clearly communicating them what are the various objectives of the organisation to be achieved, empowering to have them the feeling of ownership, taking care of their requirements in terms of right resources, continually upgrading their skills based on ... not only the technical needs but also the various management systems and knowhow of improvement methodologies/techniques like problem solving i.e. corrections, corrective actions and the better would

be preventive measures and Failure Modes & Effect Analysis (FMEAs), using brainstorming techniques effectively and what's more important is 'keeping motivational process well in place'. Targets once achieved ... celebration is must !

Profit:

TQM can lead to increased profitability in several ways ... by improving quality, organizations can reduce waste, rework and defects which in turn can lead to cost savings. This can be achieved through a variety of methods, including process improvement, error prevention and continuous improvement.

The skill level of all employees must be strictly checked while allowing them to work in processes, keeping in mind of 'achieving right first time i.e. defect free products or services through them (and if needed upgradation is done) and knowledge of FMEAs, Autonomous Maintenance (Jishu Hozen), DWM (daily work management), Kaizen etc will support in increasing level of profit ... for sure.

One key component of TQM is the use of data & metrics to measure performance for example tracking metrics such as defect rates, customer satisfaction and cycle times and this way

organizations can identify areas for improvement and make data-driven decisions to optimize their processes. This can help organizations reduce costs and increase efficiency, which can ultimately lead to increased profitability.

Praise:

TQM can also lead to increased praise from external customers, stakeholders and society as well. Focusing on quality, organizations can deliver products and services that meet or exceed customer expectations. This can lead to increased customer loyalty and positive word-of-mouth, which can help organizations build a strong reputation and brand.

One key parameter of TQM is 'Customer Satisfaction'. Listening to customer feedback and incorporating it into product and service development, organizations can ensure that they are meeting

the needs of their customers. This can lead to increased trust and loyalty, leading to increased praise and recognition from customers and other stakeholders.

Peace:

TQM can also lead to increased peace within the organization. Involving all employees in the continuous improvement processes, TQM can help build a culture of collaboration, teamwork and shared responsibility. This can lead to increased employee



Sapan Kumar Bardhan
 Director (Organisation Development) – MABEC
 Total Quality & Lean Mgmt. ~ Trainer & Consultant
 Motivational Speaker, Author of Book 'Unfolding Success' (next book 'Unfolding Success 2.0 - Balanced Leadership with Human Face' is expected by Sept'23)

www.pincgroup.com

**SATISFACTION
GUARANTEED**



World - Class Refractory Monolithics & Precast Blocks
Industry Specialization - Power, Refineries &
Petro Chemicals, Cement, Mineral Processing,
Steel & Sponge Iron, Aluminium, Glass, Incineration

**When Performance is Priority,
Count on Us**



Totale Global Pvt Ltd

(Formerly Padmaja Inc)

71-C, New Avadi Road, Kilpauk, Chennai - 600010

Ph: +91-44-42183033 | Email: totale@pincgroup.com





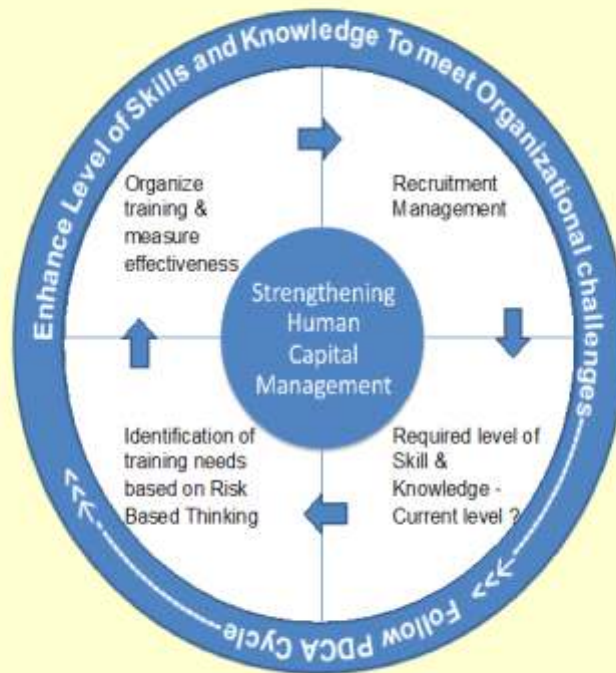
Technology

engagement, motivation and job satisfaction.

One key aspect of TQM is the emphasis on employee training and development. By providing employees with the tools and knowledge they need to excel in their roles, organizations can foster a culture of continuous learning and improvement. This can help employees feel valued and supported, which can lead to increased peace and harmony within the organization.

Below are few slides which are self-explanatory and describes the 'Way Forward' to achieve all the three Ps:

Strengthening Human Capital



Focus on Enablers to get the results



Doing Right Things Right, First Time & Every Time

Structured Approach



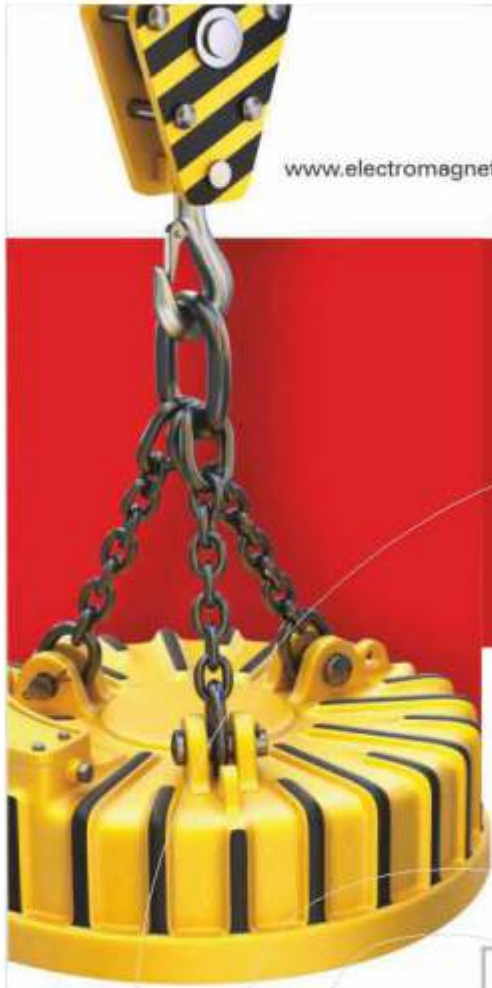
Common objective: Achieve defined goals On-time

www.electromagneticindia.com

Ei Electro
Magnetic
Industries

A COMPLETE SOLUTION FOR STEEL INDUSTRIES

Electro magnetic industries for over 43 years, have lead the industry in producing Magnetic Separator/Vibrating equipments for the control and removal of ferrous tramp metal from product movement and processing system.



RECTANGULAR LIFTING
ELECTRO MAGNETS



ELECTRO HYDRAULIC
ORANGE PEET GRAB



VIBRATORY FURNACE CHARGER



FURNACE LINING VIBRATOR



HYDRAULIC PUSHER



OUR PROJECTS



Corporate office & Works :
Plot No: 1, Unit: 2, GIDC Industrial Estate,
Por-Ramangamdi, Vadodara 391 243,
Gujarat, India

www.electromagneticindia.com
sales@electromagneticindia.com



+91-937-621-9322

+91-982-502-8823

+91-932-724-5492

REPRESENTATIVES / AGENT REQUIRE
FROM ALL OVER THE WORLD



TECHNOLOGICAL PERFECTION | GLOBALLY WITH RELIABILITY | EXPERIENCE AND EXPERTISE



Process Transformation



Process ... using popular PDCA (Plan – Do – Check – Act) cycle.

3. People Process ... continually upgrading their skills, motivating them and creating a conducive environment enabling each & everyone to give their best.

Best on my last 45 years of experience of working with people at ground level ... I am very confident that zero defect products or services are possible ... provided we have pure/quality intention to achieve so.

TQM is a comprehensive management approach that can help organizations achieve profit, praise and peace by delivering high-quality products and services to customers. By focusing on quality, organizations can reduce costs, increase efficiency and build a strong reputation and brand. By involving all employees in the continuous improvement process, TQM can help build a culture of collaboration, teamwork, and shared responsibility, which can lead to increased employee engagement, motivation, and job satisfaction. Overall, TQM is a powerful tool for organizations looking to achieve sustainable success in today's competitive business environment but

needs patience during implementation and to enjoy the fruits and thus leading to Prosperity for One & All ! One of the biggest aspects of TQM is empowering the co-workers to take decisions within their scope/boundary of work to ensure that all of their internal customers get what exactly they need or visualised and all together cumulatively ... make external customers happy & smile. To conclude TQM can be established through three processes:

1. Quality Process ... to understand who are my customers and trying to completely satisfying them.
2. Management

References:

1. Own Experience on Training, Implementation & Assessments on Quality Management
2. Learnings from reputed Training & Consulting Organisations

Providing Customised Gearing Solutions To The Steel Industry For Over 50 Years



Helical Planetary
Gearbox
for Hoisting



Entry Tension Reel
Gearbox



Bevel Helical Gearbox
for Ore Handling Equipment



Leveller Gearbox
with Inch Drive

Esenpro Power Transmission Pvt. Ltd.

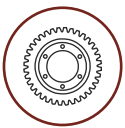
Reg. Office: Esenpro House, 24, Marol Co-op Industrial Estate Ltd.,
Off. M.V. Road, Andheri (E), Mumbai - 400 059, (India)

Email: marketing@esenpro.com, sales@esenpro.com, jshah@esenpro.com

Telephone: +91 (22) 2850 5132 / 3685 / 6471 | Fax: +91 (22) 2850 4501 / 2848



 **ESENPRO POWER
TRANSMISSION PVT LTD**



Growth Prospects of the Steel Industry in India

The steel industry in India plays a crucial role in the country's economic development, providing support to various sectors such as construction, infrastructure, automotive, and manufacturing. This report analyzes the future growth prospects of the Indian steel industry, focusing on both upstream and downstream segments. Furthermore, it highlights opportunities for overseas technology and equipment companies to contribute to the advancement of India's steel sector.

The steel industry in India has witnessed remarkable growth and holds promising growth prospects.

According to Union Minister of Steel and Civil Aviation, Shri Jyotiraditya M. Scindia, India has become the second-largest producer of crude steel in the world, surpassing Japan in 2018. This growth has been fueled by various factors, including the government's focus on infrastructure development, affordable housing, and initiatives like "Make in India," which have increased the demand for steel in sectors such as construction, infrastructure, automotive, and manufacturing.

India's steel sector has also made significant strides in terms of exports. In the year 2022-23, the country witnessed the export of 6.72

million metric tons (MT) of finished steel, surpassing the import of 6.02 MT. This marks a significant shift from the previous years when India was a net importer of steel. The growth in steel exports can be attributed to the increased production capacity and the emphasis on promoting domestic manufacturing.

To further strengthen the steel industry, India has undertaken various initiatives and policies. The Steel Scrap Recycling Policy aims to promote the scientific processing and recycling of ferrous scrap. As part of this policy, six vehicle scrapping centers have been opened in different cities, with three more planned to commence

**Steelworld
Research Team**



MOIL Limited

(A Government of India Enterprise)

“MOIL BHAWAN”

1-A, Katol Road, Nagpur - 440 013

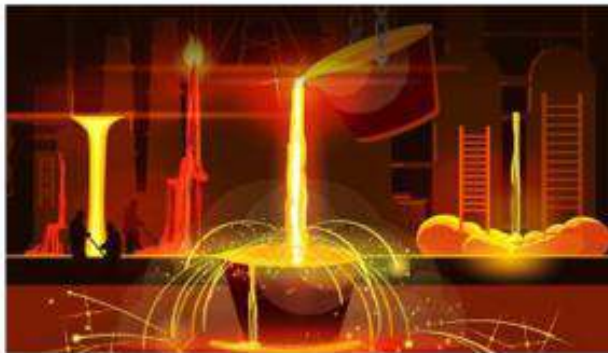


MOIL'S prominent products :

- High Grade Ores for production of Ferro manganese.
- Medium grade ore for production of Silico manganese.
- Blast furnace grade ore required for production of hot metal and Dioxide are for dry battery cells and chemical industries.



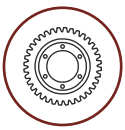
KEY STRENGTHS



- MOIL is the largest Manganese Ore producer in the country.
- MOIL has set up a plant based on indigenous technology to manufacture 1,500 MT per annum capacity of Electrolytic Manganese Dioxide (EMD). This product is used the Pharma and Chemical Industries dry battery cells.
- A Ferro Manganese plant having a capacity of 12,000 MT per annum is also set up for value addition.
- Strong mining experience can be leveraged to diversify into mining of other related minerals.
- Pursuing expansion plans to double its production in the next 4-5 years.
- Modernization of mines in full swing.

MOIL is also exploring the possibilities at international level to ensure its global footprint.

www.moil.nic.in



Industry Update

operations soon. End-of-life vehicles (ELVs) are being utilized as raw material for steel production, facilitating



resource efficiency and sustainability.

The National Steel Policy 2017 (NSP 2017) sets ambitious targets for the steel industry. By 2030-31, India aims to achieve a total crude steel capacity of 300 million metric tons per annum (MTPA) and a total crude steel demand/production of 255 MTPA. Additionally, the policy envisions enhancing the operational capacity of crude steel production of Steel Authority of India Limited (SAIL) from 19.51 MTPA to around 35.65 MTPA by 2030-31.

Opportunities for overseas technology and equipment companies abound in India's steel sector. In the upstream segment, partnerships with domestic firms can be formed for iron ore mining, utilizing advanced mining technologies and sustainable practices. India's limited reserves of coking coal present opportunities for overseas companies to supply high-quality coking coal and coke, essential for steelmaking.

In the downstream

segment, overseas technology companies can contribute their expertise in advanced steelmaking

processes such as Electric Arc Furnaces (EAF), Continuous Casting, and Thin Slab Casting. This would enable Indian steel manufacturers to produce high-quality steel products efficiently.

Opportunities also exist in the production of value-added steel products like galvanized steel, stainless steel, and special alloys, where collaborations with overseas companies specializing in these products can expand the product portfolio of Indian manufacturers.

Furthermore, overseas technology and equipment companies can provide state-of-the-art machinery and automation solutions for steel processing and fabrication. This would enhance the efficiency, precision, and quality of steel processing operations in India.

The Indian government has introduced the Productivity Linked Incentive Scheme (PLI) to boost domestic production of specialty steel. Under this scheme, 57 memorandums of understanding (MoUs) involving 27 companies have been signed, attracting committed investment of approximately ₹29,530 crore and creating potential employment for 55,000 individuals.

Sustainability is a key focus in the steel industry, and India is actively promoting green steel production. Thirteen task forces have been formed to identify action points for each aspect of green steel production, and discussions are ongoing with stakeholders from the steel industry as well as relevant ministries and departments to promote decarbonization and implement sustainable practices.

In conclusion, the growth prospects of the steel industry in India are promising, driven by robust demand and various government initiatives. The sector offers significant opportunities for overseas technology and equipment



companies to contribute through partnerships, technological collaborations, equipment procurement, and the implementation of sustainable solutions. By leveraging these opportunities, India can strengthen its position in the global steel market, foster technological advancements, drive economic growth, and promote sustainable steel production practices. ■



Ventura Alloy and Steels Private Limited

We are Importer, Exporter, Stockist, Distributor & Suppliers for
Tool & Alloy - Special and Die Steels, Forging Components Spring Steel - Wire Rod, Square & Round Bars
Coiled & Disc Springs, Tools Collets, Impact Sockets Etc.



**HOT WORK
TOOL STEELS**



**COLD WORK
TOOL STEELS**



PLASTIC MOULD STEELS



ALLOY STEELS



SPRING STEELS

HOT WORK STEEL (IND/USA/EUR)

H13 / AISI H13 / DIN 2314
H11 / AISI H11 / DIN 2344
H10 / AISI H10 / DIN 2343
H21 / AISI H21 / DIN 2581
H10 / AISI H10 / DIN 2365
H12 / AISI H12 / DIN 2616

ALLOY STEEL (IND/USA/EUR)

EN 24 / AISI 4340 / 40NiCrMo84 / 34CrNiMo8
EN 19 / AISI 4140 / 42CrNiMo4
EN 31 / AISI 52100 / 100Cr6
20MnCr5
SAE 8620

Head Office

Unit No. 1201 & 1202, Ghanshyam Enclave,
New Link Road, Near Laljipada Police Station, Kandivali (West),
Mumbai - 400087.
Tel.: +91 22 35034301 - 307 / 35034311 - 319 |
Mob.: 9819225666 & 8591313565

COLD WORK STEEL (IND/USA/EUR)

H13 / H13 / AISI H13 / DIN 2317
H11 / H11 / AISI H11 / DIN 2343
H10 / H10 / AISI H10 / DIN 2343
O1 / O1 / AISI O1 / DIN 2510
D5 / Cr12NiMoV / DIN 2604

SPRING STEEL

EN 47 / 50CrV4 / 51CrV4 / AISI 6150 / SUP10 / DIN 8159
SUP9 / AISI 5155 / DIN 1.7176
SAE 9254 / AISI 9254

PLASTIC MOULD STEEL (IND/USA/EUR)

P20 / N1 / AISI P20 / N1 / DIN 2318
P20 / AISI P20 / DIN 2311

CARBON STEEL

SAE 1018 / MS
C45 / EN 80
EN 1A
EN 1A Ph

Stocking/ Machining Centre

Gala No. 6, Building No. 183, Indian Corporation, Mouje Gundavli
(Mankoli - Phata) Dapoda, Taluka - Bhiwandi : 421302
Tel: +91 7977097655 | 7977097657
Email: sales@venturasteels.com | Web: www.venturasteels.com

SOVEREIGN SOLUTIONS FOR ALLOY, SPRING AND DIE STEELS



The automation in the steel industry is the need of the hour- Sri Atul Bhatt, CMD, RINL

At a program organized at RINL, Sri Atul Bhatt, CMD, RINL launched 'Open challenge program 2.0', online today. The program is the second program in the series of OCP programs that are being launched by Kalpataru-CoE (Centre of entrepreneurship).

This open challenge program is for selecting the startups in the field of Industry 4.0 technologies.



Speaking on the occasion, Sri Atul Bhatt said that India is the second largest steel industry in the world and it is also of one fastest growing industry, with the emphasis given by the growth of infrastructure by our Govt. "The automation in the steel industry is the need of the hour and the scope of growth of automation and robotics is immense. The equipment developed by the startups will give return on investment by RINL very fast as they help in energy savings and will also help in running the process safely", Sri Atul Bhatt added.

The project, CoE (Centre of Excellence) on Industry 4.0, is being taken up jointly by STPI (software technology park of India), MeitY (Ministry of Electronics & IT) and RINL,



and Govt. of AP. This is expected to make India 'Atamanibhar' in the field of Industry 4.0 technologies.

The CoE will have an IIOT (Industrial Internet of Things)

lab, an Industrial Automation Lab with AI & ML (Artificial intelligence & Machine learning) and AR & VR (Augmented Reality and Virtual reality) lab, one more industrial automation Lab with Robotics and Drone, a third Industrial automation lab with Robotics and 3D printing.

The CoE will incubate around 175 start-up companies over a period of 5 years. 50 startup companies will be incubated in physical mode and 125 companies will be incubated in Virtual mode.

The program was also graced by Sri A.K. Bagchi, Director (Projects) & additional charge Director (Operations) RINL and Member of PMG- Kalpataru, Sri CVD Ramprasad, Director STPI Hyderabad and COO STPINEXT, Dr. Suresh Batha, Additional Director and Officer In charge, STPI Visakhapatnam.

The start-up companies along with industry mentors will work on the problems of RINL and other industries in and around like HPCL, NTPC, BARC, HSY and BHEL.

Sri CVD Ram Prasad & Dr. Suresh Batha informed how STPI and STPINEXT through their Centre of Entrepreneurship and NGIS (Next Generation Incubation Schemes) is encouraging startups to grow.

Smt. Vyshali Sagar, Program manager AWS (Amazon web services) informed how AWS is helping startups to develop products/solutions using AWS. She informed that they are very passionate about working with startups and providing them with value.

"RINL presented the prestigious "Greentech Safety Award 2023"

RINL has bagged the prestigious "GreenTech Safety Award 2023" under Safety Excellence Category. RINL has received this award for its outstanding contribution to improve workplace safety in the year 2022-23.

The prestigious GreenTech Safety Award 2023 award was received by Shri A K Bagchi- Director (Projects) and Additional Charge Director (Operations), RINL on behalf of RINL from Sri Jagdish Mukhi, Former Governor of Assam at the 21st Annual Greentech awards function held at New Delhi, today (on 30th May 2023.)

21st GREENTECH SAFETY AWARD 2023 organised by the Greentech Foundation shall recognise and honour outstanding organisations that are taking responsibility for defining a commercial future by adding value through excellence in fire, safety, health and security management for corporate citizenship, transparent accountability, life cycle stewardship, strategic sustainability and conducting fair business in a disciplined manner that delivers a shared future for all stakeholders through commitment, dedication with a goal of zero injuries.

The Jury members of GreenTech foundation have applauded RINL for the Initiatives like use of Drone technology for inspection of high-rise structures, chimneys etc, development of Software application for tracking the usage of Safety harnesses and also for imparting Safety Trainings through Online platforms (Webinars).

Sanghi Organization

Always a step ahead.



60 TPD
(1800 cu.m./hr.)
Oxygen Plant commissioned at
MSPL - SAIL Bhadravati Project.

Most Power efficient and
Versatile Plants
with Highest safety standards.

SANGHI ORGANIZATION



Manufacturers & Exporters of Oxygen, Nitrogen, Acetylene, Nitrous Oxide and Carbon Dioxide Plants
1-2, Turf View, Opp. Nehru Centre, Seth Motilal G. Sanghi Marg, Worli, Mumbai - 400 018, India.
Tel: 2494 5464 (12 Lines), Fax: {91-22} 2494 7052.
E-mail : mail@sanghioverseas.com | Website : www.sanghioverseas.com





News Update

Sri ABCP Sharan - Chief Executive Officer, Greentech and several other dignitaries also graced the program.



Shri A K Bagchi- Director (Projects) & Adtl Charge Director (Operations), RINL receiving the GreenTech Safety Award 2023 from Sri Jagdish Mukhi, Former Governor of Assam at the 21st Annual Greentech awards function held at New Delhi.

JSW Steel crude steel output grows 7% to 1.777 MT in April 2023



JSW Steel recorded a 7% growth in crude steel production on standalone basis at 1.777 MT in April 2023. The company had produced 1.667 MT steel during the same month last year, JSW Steel said in a statement.

In April 2023, the company said the production of its flat-rolled products rose 16% to 1.392 MT from 1.2 MT a year ago.

However, its long-rolled products output fell 9% to 0.321 MT from 0.354 MT in April 2022.

"Production of rolled long-products is lower due to planned capital shutdowns taken at Salem and Vijayanagar plant locations during April 2023," it said.

Amarendu Prakash takes charge as Chairman SAIL



Amarendu Prakash has assumed the charge of Chairman, Steel Authority of India Limited (SAIL). Prior to taking charge as the Chairman, Shri Prakash held the post of Director in-charge, Bokaro Steel Plant (BSL), SAIL. A metallurgical engineer from BIT Sindhri, Shri Prakash joined SAIL in

1991 as a Management Trainee (Technical). After working in various positions of responsibilities in plants and units, Amarendu Prakash was selected as a Director in the SAIL Board in charge of Bokaro Steel Plant in 2020.

He is an accomplished technocrat. In his career of more than three decades in SAIL, Shri Prakash has had exposure to plant operations at shop level, exposure to corporate functions in the Head office and leading a large steel plant with mining operations. He was a key member of the team that was leading the business transformation and financial turnaround of SAIL in 2015-17.

After taking over as the Director in charge of Bokaro Steel Plant, he has led the Plant team to reach their best performance in all major parameters year on year. The improvement in performance has been both quantitative and qualitative. With his remarkable organizational skills and strategic planning acumen, Shri Amarendu Prakash has been instrumental in bringing about significant changes in business processes and project implementation. As a technically proficient leader, he has been spearheading the digitisation efforts of the company. As a key member of the Revenue Maximising Team, he has been instrumental in strategizing the overall production and sales plan for not only enhancing value for the organisation but also for the customers.

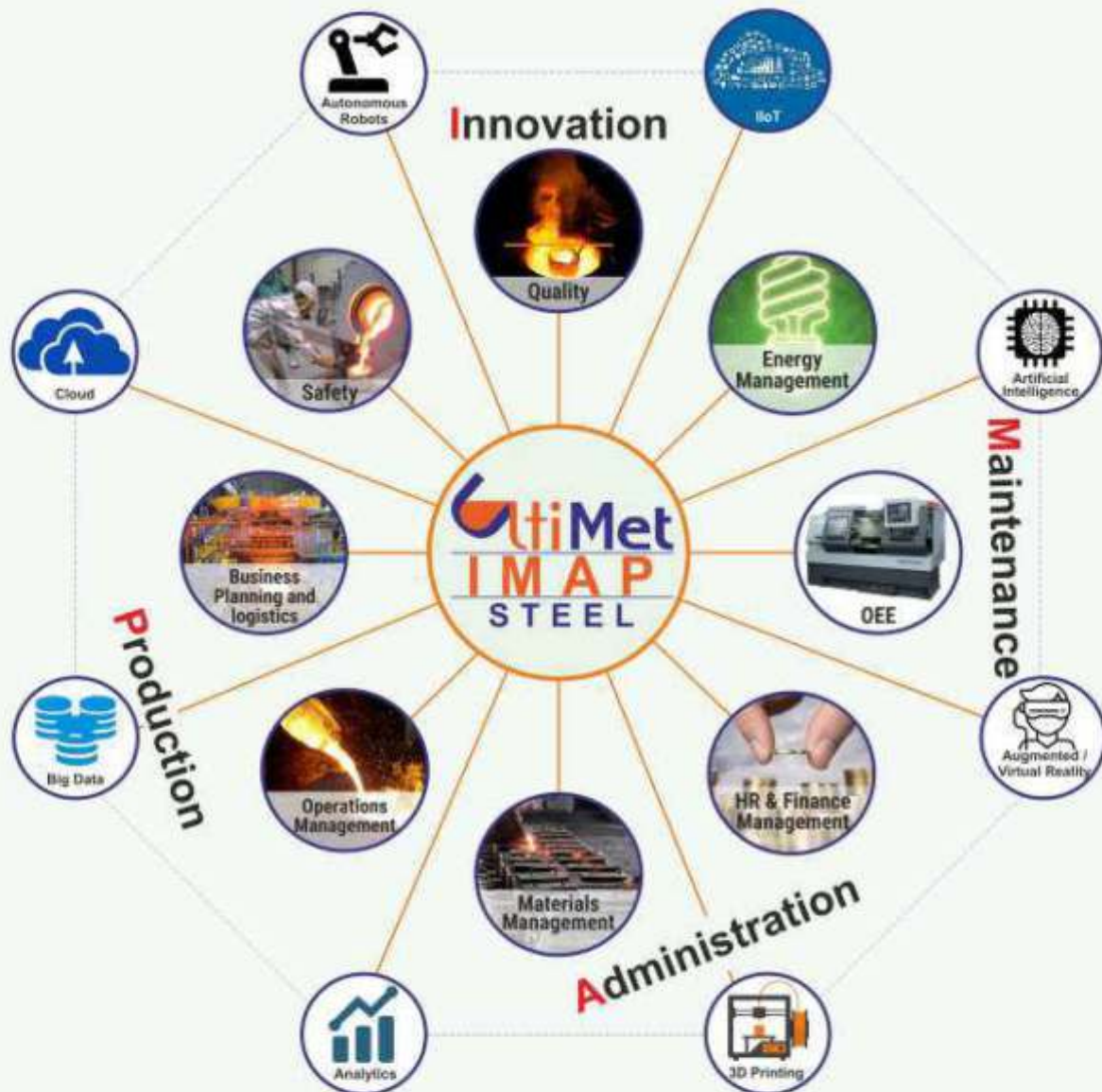
A visionary and energetic leader, he connects with the employees across levels and motivates them to excel through various initiatives. During his tenure at Bokaro as Director, he has taken several initiatives to encourage Sports including supporting the Special Olympics. Many social initiatives involving public participation have brought about positive changes in the city of Bokaro and peripheral areas.

Make your **Steel Plant** future-ready

End-to-End **Industry 4.0** Smart Solutions from



*Facilitating Metals Industry to go **Digital***



Contact us

Ulti-Met Technologies Pvt. Ltd.

Facilitating Metals Industry to go Digital

Tel : +91-22-2619 2376 / 2617 1575 / 1617 1866

Email : info@ulti-met.com / rajesh@ulti-met.com

Web : www.ulti-met.com



Passenger vehicle wholesalers post record sales in May

Society of Indian Automobile Manufacturers (SIAM) has released the latest Indian auto industry performance report for the month of May, 2023. According to the data, the total production of passenger vehicles, three wheelers, two wheelers, and quadricycle stood at 21,24,235 units in May this year.

As per SIAM data, passenger vehicles sales in the country were 3,34,247 units in the last month, returning to a growth of 13.5%, compared to May 2022. Similarly, a total of 48,732 units of three-wheeler were sold in the country in May 2023, posting a growth of 70.4% compared to the same month last year.

In the two-wheeler category, sales were 14,71,550 units in May 2023. As compared to May 2022, the two-wheeler sales in the country grew by 17.4%.

Commenting on sales data of May 2023, Mr Vinod Aggarwal, President, SIAM said, "All the segments viz. Passenger Vehicles, Two-Wheelers and Three-Wheelers have posted growth in double digits in May 2023,

compared to May 2022. We anticipate this trend to continue supported by the prevalent economic environment. The Indian Automobile Industry is currently in a transition phase with new powertrain technologies offered to consumers ranging from Electrified, Bio-Fuels and Gaseous Fuel driven vehicles which are being enabled through sound policies of the Government."

Commenting on May-2023 performance, Mr Rajesh Menon, Director General, SIAM said, "Sales of Passenger Vehicles of May 2023 has been the highest ever in May, returning a growth of 13.5%, compared to May 2022. Two-Wheelers also posted a growth of 17.4% in May 2023, compared to last year, but are still lower than 2016-17 levels. Domestic sales of Three-Wheelers in May 2023 grew by 70.4% compared to May 2022, although on a low base, but is still lower than the 2018-19 levels."

SIAM						
Segment wise Comparative Production, Domestic Sales & Exports data for the month of May 2023						
Category Segment/Subsegment	Production		Domestic Sales		Exports	
	May		May		May	
	2022	2023	2022	2023	2022	2023
Passenger Vehicles (PVs)*						
Passenger Cars	1,58,310	1,83,819	1,24,060	1,20,364	37,824	35,806
Utility Vehicles (UVs)	1,27,424	1,68,178	1,16,255	1,55,184	19,041	16,274
Vans	11,107	13,770	10,736	12,821	23	1,157
Total Passenger Vehicles (PVs)	2,96,841	3,45,567	2,51,051	2,88,369	56,888	53,237
Three Wheelers						
Passenger Carrier	49,882	61,700	20,174	38,590	26,989	25,442
Goods Carrier	8,143	8,027	6,952	7,531	507	196
E-Rickshaw	1,399	1,552	1,273	2,314	-	-
E-Cart	225	370	198	297	-	-
Total Three Wheelers	59,659	71,649	28,595	48,732	27,496	25,638
Two Wheelers						
Scooter/ Scooterette	4,17,348	4,90,007	3,98,099	4,46,593	27,080	40,687
Motorcycle/Step-Throughs	11,54,748	11,77,873	8,19,940	9,89,120	3,20,819	2,19,204
Mopeds	36,820	38,974	35,148	35,837	48	54
Total Two Wheelers	16,08,914	17,06,654	12,53,187	14,71,550	3,47,747	2,59,945
Quadricycle	202	365	28	35	96	312
Grand Total	19,65,616	21,24,235	15,32,861	18,08,636	4,32,227	3,39,132

* BMW, Mercedes, JLR, Tata Motors and Volvo Auto data is not available

Society of Indian Automobile Manufacturers (13/06/2023)

Inviting Builders, Construction Engineers, Architects, Interior Designers & Fabricators to visit India's Exclusive Expo Stainless Steel Industry

2nd Edition

GSSE 
GLOBAL STAINLESS STEEL EXPO 2023
14 15 16 SEPTEMBER
 BOMBAY EXHIBITION CENTRE | MUMBAI

POWERED BY

JSL 
 JINDAL STAINLESS

LAST FEW
STALLS
AVAILABLE.
BOOK NOW



FOCUS 2023

Flat & Long Products | Duplex | Bars | Rebars | Ingots | Pipes | Tubes | Sheets | Coils | Wires | Finished Goods
 | Flanges | Fittings | Fasteners | Heat Exchangers | Instrumentation | Machinery | Technology and much more

HIGHLIGHTS

150+ Exhibitors | 10,000+ Trade Visitors | 100000+ Sq. Ft Expo Hall | International Pavilions
 | CEO Round Table | Industry & Technical Seminars | B2G Meetings

Timings: 10 am to 6 pm | Entry Free

TITANIUM PARTNER



PLATINUM PARTNERS



DIAMOND PARTNERS



GOLD PARTNERS



AVATAR STEEL LIMITED

SILVER PARTNERS



High performance stainless steel



ORGANISED BY

virgo COMMUNICATIONS AND
EXHIBITIONS (P) LTD

Head Office:
250 Virgo House, 7th Main,
Amarjyoti Layout, Domkir Extn,
Bangalore 560 071, India
T: +91 80 25357028/29
E: info@virgo-comm.com

Branch Office:
412, Atlanta Estate, Near Virwani Ind. Estate
Itt Bhatti, Goregaon East
Mumbai- 400 063, India
M: +91 99877 53824
E: anurag@virgo-comm.com

MEDIA SUPPORT



Devoted to Iron & Steel Industry

SCAN TO REGISTER



FOLLOW US





Statistics

SIAM

Summary Report: Cumulative Production, Domestic Sales & Exports data for the period of April - May 2023

Report I

(Number of Vehicles)

Category Segment/Subsegment	Production		Domestic Sales		Exports	
	April-May		April-May		April-May	
	2022-23	2023-24	2022-23	2023-24	2022-23	2023-24
Passenger Vehicles (PVs)*						
Passenger Cars	3,09,708	3,06,552	2,36,983	2,46,122	67,275	58,752
Utility Vehicles (UVs)	2,75,030	3,30,487	2,43,537	3,03,189	35,962	33,984
Vans	22,575	24,691	22,247	23,329	149	1,441
Total Passenger Vehicles (PVs)	6,07,313	6,61,730	5,02,767	5,72,640	1,03,386	94,177
Three Wheelers						
Passenger Carrier	91,466	1,16,409	32,729	73,196	62,364	48,439
Goods Carrier	15,709	14,210	14,300	12,898	912	293
E-Rickshaw	1,868	3,290	2,103	4,905	-	-
E-Cart	493	501	460	516	-	-
Total Three Wheelers	1,09,538	1,34,410	49,592	91,517	63,276	48,732
Two Wheelers						
Scooter/ Scooterette	8,26,608	9,86,203	7,86,541	9,10,982	63,240	90,222
Motorcycle/Step-Throughs	22,40,289	22,23,444	15,55,300	18,28,394	6,89,892	4,27,856
Mopeds	72,780	75,409	73,928	70,782	54	54
Total Two Wheelers	31,39,677	32,85,056	24,15,769	28,10,138	7,53,186	5,18,132
Quadricycle	303	679	54	96	162	608
Grand Total	38,56,831	40,81,875	29,68,182	34,74,491	9,20,010	6,61,649

* BMW, Mercedes JLR, Tata Motors and Volvo Auto data is not available

Society of Indian Automobile Manufacturers (SIAM) 2023

SIAM

Category & Company wise Summary Report for the month of May 2023 and Cumulative for April-May 2023

Report II

(Number of Vehicles)

Category Segment/Subsegment Manufacturer	Production				Domestic Sales				Exports			
	May		April-May		May		April-May		May		April-May	
	2022	2023	2022-23	2023-24	2022	2023	2022-23	2023-24	2022	2023	2022-23	2023-24
Passenger Vehicles (PVs)												
ECA Ind a Automobiles Pvt Ltd	1,237	820	2,578	2,096	928	794	1,514	1,292	248	361	514	768
Force Motors Ltd	49	94	148	98	50	8	144	8	-	-	-	-
Ind a Cars India L td	10,552	6,425	19,674	17,375	8,788	4,650	16,082	9,973	1,397	587	4,031	2,950
Hyundai Motor India Ltd	48,300	53,177	1,07,300	1,13,668	42,293	49,601	96,294	98,302	8,970	11,000	21,170	19,500
Isuzu Motors Ind a Pvt Ltd	677	23	900	54	60	30	83	73	194	-	194	-
Kia Motors India Pvt Ltd	24,225	24,868	57,375	54,771	18,718	18,786	37,737	41,987	5,376	6,008	13,453	13,753
Mahindra & Mahindra Ltd	23,734	37,022	49,300	64,241	26,504	32,386	49,430	67,584	594	1,078	1,237	1,967
Nanbu Suzuki India Ltd	1,80,450	1,76,276	3,13,419	3,20,315	1,24,474	1,43,700	2,46,430	2,51,028	27,018	26,207	45,234	43,121
MG Motor India Pvt Ltd	3,778	6,191	6,998	17,538	4,008	5,006	6,016	9,557	-	-	-	-
Nissan Motor India Pvt Ltd	5,245	4,274	17,245	8,215	2,731	2,618	4,241	5,235	5,693	2,013	6,922	2,946
PCA Motors Pvt Ltd	22	1,920	57	2,893	24	506	75	1,806	-	12	-	308
Renault India Pvt Ltd	3,740	3,649	16,908	6,571	5,010	4,625	12,604	8,948	3,765	5,175	4,887	1,550
Skoda Auto India Pvt Ltd	3,482	4,164	7,669	8,353	4,634	3,547	3,766	7,566	-	103	-	327
Toyota Kirloskar Motor Pvt Ltd	3,950	27,577	12,694	47,829	10,751	19,070	24,920	32,976	18	1,091	32	2,979
Volkswagen Ind a Pvt Ltd	2,897	4,367	7,528	9,847	3,507	3,286	7,114	8,318	3,015	3,222	5,817	4,488
Total Passenger Vehicles (PVs)	2,96,841	3,45,567	6,07,313	6,61,730	2,51,051	2,88,369	5,02,767	5,72,640	56,668	63,237	1,03,386	94,177

SIAM

Category & Company wise Summary Report for the month of May 2023 and Cumulative for April-May 2023

Report II

(Number of Vehicles)

Category Segment/Subsegment Manufacturer	Production				Domestic Sales				Exports			
	May		April-May		May		April-May		May		April-May	
	2022	2023	2022-23	2023-24	2022	2023	2022-23	2023-24	2022	2023	2022-23	2023-24
Three Wheelers												
ALU Auto Ltd	1,757	983	3,310	1,726	1,418	1,101	2,766	1,683	376	51	621	294
Baja Auto Ltd	29,416	48,360	54,405	97,619	16,178	33,555	25,096	94,838	10,067	13,550	30,120	25,203
Continental Engines Pvt Ltd	549	905	070	870	593	353	1,075	741	-	-	-	-
Force Motors Ltd	164	336	304	548	-	-	-	-	308	448	392	588
Mahindra & Mahindra Ltd	3,744	5,007	0,287	10,450	3,645	5,251	0,054	11,403	-	7	18	13
Piaggio Vehicles Pvt Ltd	8,865	7,122	15,871	12,778	5,505	6,530	11,395	10,035	2,376	1,470	3,518	2,799
TVS Motor Company Ltd	15,170	10,855	28,387	20,407	1,255	1,372	2,603	2,917	14,668	1,002	25,607	19,835
Total Three Wheelers	59,650	71,649	1,09,538	1,34,410	28,595	48,732	49,592	91,517	27,496	25,638	63,276	48,732
Two Wheelers												
Ather Energy Pvt. Ltd	3,658	9,742	7,315	10,927	3,697	9,070	7,307	16,416	-	-	-	-
Baja Auto Ltd	2,06,489	3,22,018	6,72,877	5,79,856	93,132	1,94,684	1,89,335	3,76,374	1,53,397	1,72,805	3,47,875	2,19,042
Chetak Technology Ltd	-	122	-	496	-	127	-	285	-	-	-	-
Hero MotoCorp Ltd	4,50,859	4,60,030	8,56,368	5,50,606	4,65,463	5,03,309	8,64,956	8,04,403	20,298	17,35	40,360	21,688
Honda Motorcycle & Scooter India Pvt Ltd	3,40,212	3,28,563	6,86,583	6,91,491	3,20,857	3,11,144	6,35,597	6,49,434	32,036	13,248	74,331	54,707
India Kawasaki Motors Pvt Ltd	227	289	338	599	228	304	502	720	-	-	-	-
India Yamaha Motor Pvt Ltd	68,025	75,518	1,36,805	1,45,057	44,907	53,571	88,875	1,06,510	20,574	18,642	50,837	35,288
Mahindra Two Wheelers Ltd	53	-	83	-	34	-	45	-	-	-	-	-
Okinawa Autotech Pvt. Ltd	10,320	-	20,431	-	10,542	551	20,734	617	-	-	-	-
Piaggio Vehicles Pvt Ltd	7,043	3,930	14,188	9,708	4,731	2,601	5,954	5,591	1,800	1,457	3,670	2,503
Royal-Enfield (Unit of Eicher Motors)	70,096	82,012	1,37,816	1,53,026	53,525	70,795	1,07,377	1,39,676	10,119	6,686	18,421	10,621
Suzuki Motorcycle India Pvt Ltd	72,550	87,606	1,36,817	1,74,742	60,510	67,040	1,14,845	1,34,299	11,008	24,276	25,696	45,748
Triumph Motorcycles India Pvt Ltd	29	13	88	47	88	34	176	97	-	-	-	-
TVS Motor Company Ltd	2,09,222	3,27,708	5,51,283	5,14,142	1,91,452	2,32,090	3,72,015	4,85,648	95,570	69,606	1,95,095	1,28,435
Total Two Wheelers	16,08,914	17,06,664	31,39,877	32,85,056	12,53,187	14,71,850	24,15,769	28,10,138	3,47,747	2,59,945	7,53,186	5,18,132
Quadricycle												
Baja Auto Ltd	202	365	303	670	20	35	54	96	06	312	182	608
Total Quadricycle	202	365	303	679	20	35	54	96	06	312	182	608
Grand Total	19,65,616	21,24,235	38,56,831	40,81,875	15,32,661	18,08,686	29,68,182	34,74,491	4,32,227	3,39,132	9,20,010	6,61,649

Society of Indian Automobile Manufacturers (SIAM) 2023

— A GATEWAY FOR BUSINESS EXPANSION —

ORGANISED BY



THE OLDEST INSTITUTE
OF ITS KIND IN ASIA.

MGMI

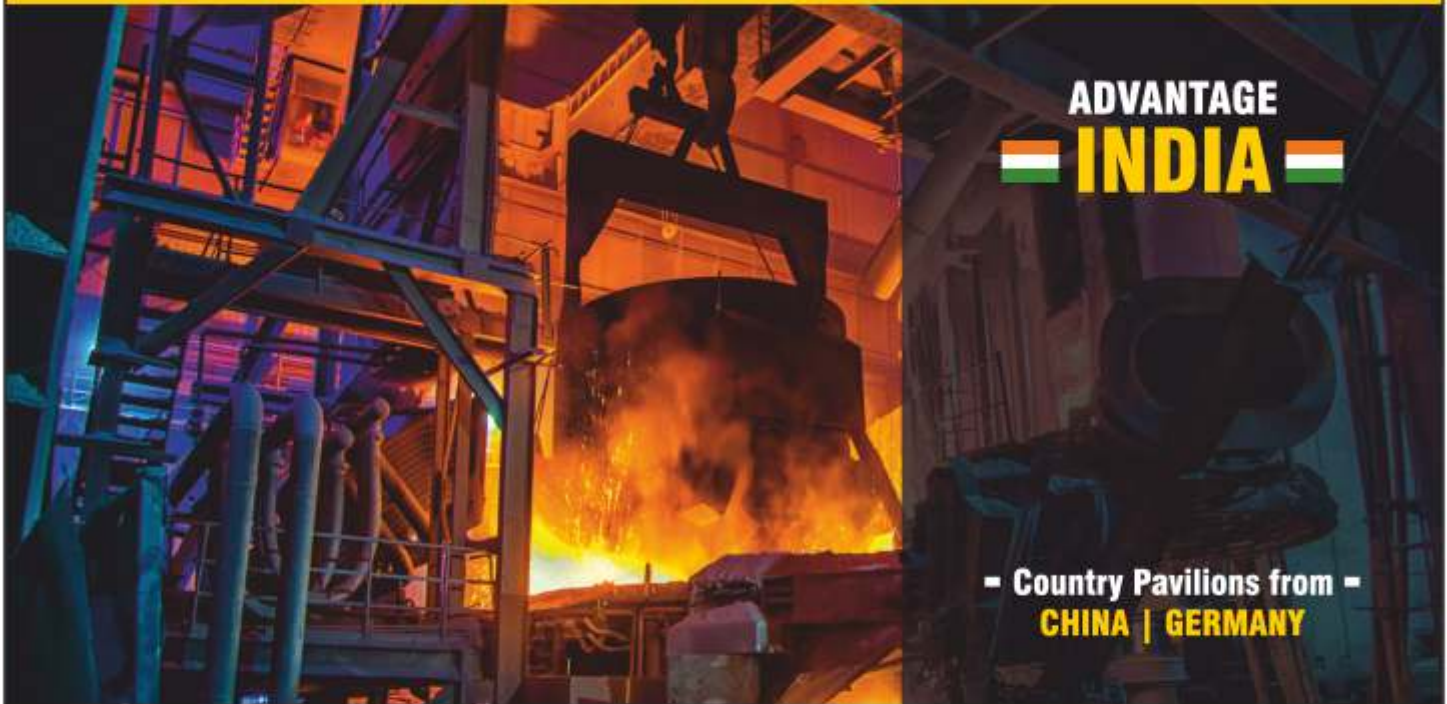


TAFCON

ISME

International Steel & Metallurgy Exhibition

November 6-9, 2023 | EcoPark, Kolkata



ADVANTAGE
INDIA

- Country Pavilions from -
CHINA | GERMANY

www.steelandmetallurgyexpo.com

Expected Participation:

200+ Stalls

300+ Delegates

20+ Countries

10,000+ Footfalls

SCAN QR CODE
TO ENQUIRE FOR EXHIBITING



Co-Located with



International Mining,
Equipment & Minerals Exhibition

November 6-9, 2023

EcoPark, Kolkata, India

Avail Various Incentives on Offer:

- 5% Early Bird for Bookings upto June 30, 2023
- Additional 5% for 120 sqm. and above stalls inside Halls
- Additional 5% for Past Participants of our other Exhibitions

Media
Support

enfinder

EPCWorld

FORGINGS
TODAY

ESD

India
STRATEGIC

Industry
LINKS

INDIA
REVIEW

XoGen.Ppt

METALWORLD



For Stall Booking & Enquiries, Contact: metallurgy@tafcon.in / Tel: +91-11-49857777

03 04 05 August, 2023 | India Expo Centre & Mart, Greater Noida, Delhi-NCR

Comprehensive **Exhibition, Conference & Awards** Covering the Stainless Steel Value Chain.



MSME Pavilion with Subsidy (subject to approval) For Enterprises Registered Under MSME

CONCURRENT EVENTS

INDUSTRY
ROUNDTABLES

LEADERS
ROUNDTABLES

STAINLESS STEEL
EXCELLENCE AWARDS

BUYER SELLER MEET
WITH GLOBAL IMPORTERS

2nd GREEN HYDROGEN
SUMMIT

Exhibitor Profile

Stainless Steels | Stainless Steels Products of Foundries | Forging and Pressing Shops | Stainless Steel Metallurgical Products | Testing and Measuring Instruments | Machines and Equipment | Treatment and Processing | Stainless Steel Products | Stainless Steel Metallurgical Semi-Products | Raw Materials For The Production of Stainless Steels

Target Industries

- ◆ Railways
- ◆ Oil, Gas, petrochemical
- ◆ Hydrogen
- ◆ Infrastructure
- ◆ Chemical and Fertilizers
- ◆ Automobile and Automotive
- ◆ Defence and Aerospace
- ◆ Architecture Building and Construction
- ◆ Food Drink and Dairy
- ◆ Pharma, Medical and Healthcare
- ◆ Ethanol
- ◆ Bus Body and Ship Building

Supported by

Participate as: Sponsor | Exhibitor | Delegate

Ajay Tiwari | Mob:- +91 9205566504, 9899031349 | Email: ajay@infinityexpo.in | Visit us at: www.indiassexpo.com

Organised by



Supported by



Ministry of Steel
Government of India



NORTHERN CHAPTER

STEELEX 2023

INTERNATIONAL EXHIBITION & CONFERENCE

28th - 29th JULY 2023

Pragati Maidan, New Delhi, India



A Sneak Preview

- Support from all relevant **Ministries, Trade Associations of Steel** and Allied industries
- Expected Presence of **200+ Leading Exhibitors**
- A high-level **35th National Conference** on "Decarbonising the Steel Sector in India: An era of moving towards greener path through Circular economy"
- Expected footfall of **5000+** serious trade buyers
- Various **New Launches** by exhibitors

Platinum Partners



Diamond Partner

Gold Partners

Associate Partner



Knowledge Partner



Event Partner



Media Partner



Contact US:

aalifa6@gmail.com www.aalifa.org

All India Induction Furnace Association (AIIFA)

504, Tower - I, Pearls Omaxe, Netaji Subhash Place,
Pitampura, New Delhi, Delhi 110034

Tel: +91 011 27351345 / 47 / 011 42725051

Ram Sharma: 9810410186 / 9819410815

Akhil Bhartiya Loha Vyapar Sangh (ABLVS)

Office No.-2, First Floor, Aapka City Plaza,
Civil Lines, Gurugram-122001

Deepak Sharma: 9818837262

Email- ablvsgregd01@gmail.com

ONE PLATFORM FOR 2 INDUSTRIES

Presents: **RR** KABEL
WIRES & CABLES



www.cablewirefair.com



www.tubepipefair.com

06, 07, 08
OCTOBER
2023

Hall No: 2, 3, 4
Pragati Maidan
New Delhi

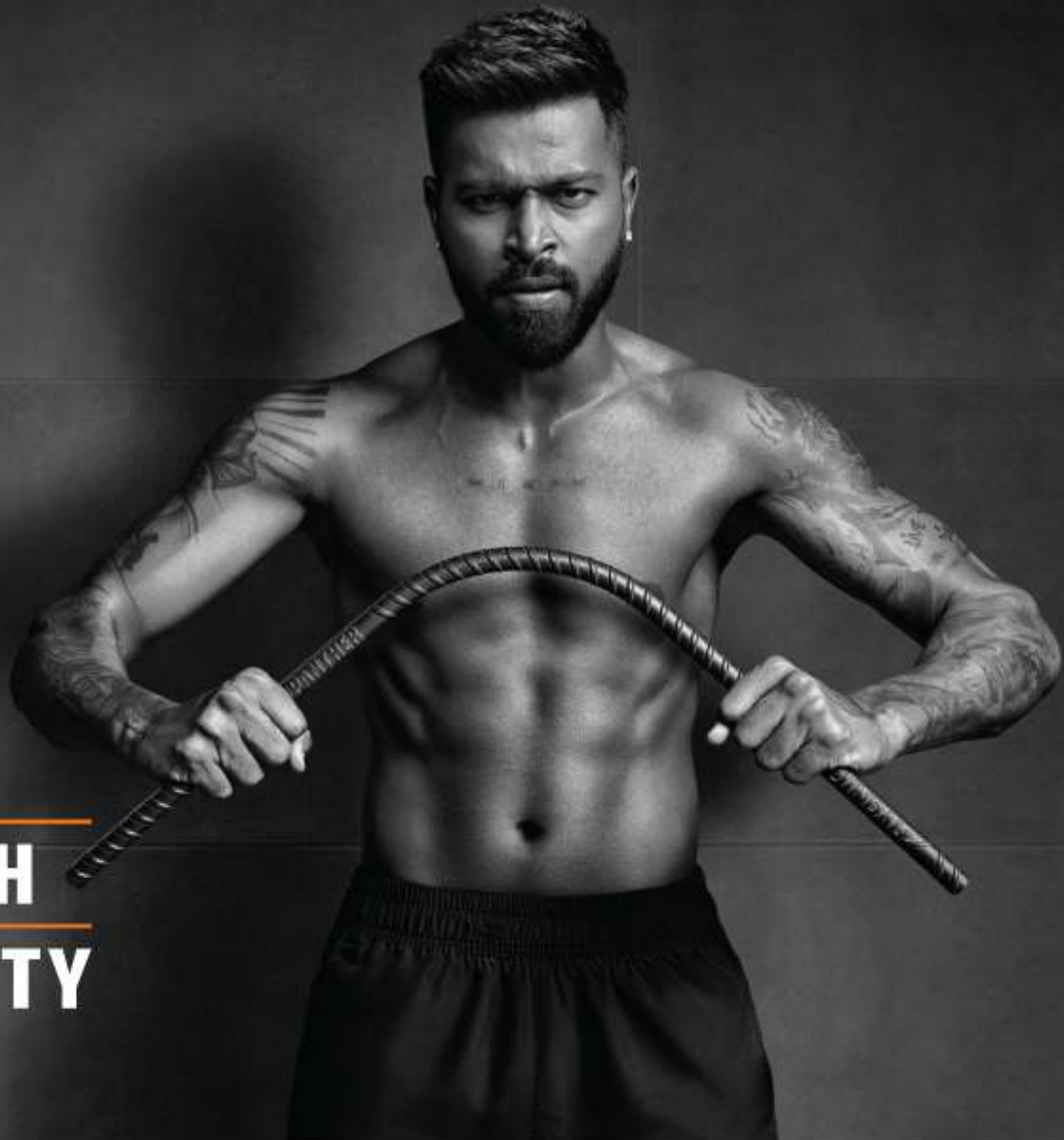
5th Intl. Exhibition & Conference for
Wire & Cable Industry

A B2B International Exhibition for
Tube & Pipe Industry

For Booking, write to info@wirecable.in or call **+91 9999935011**



JINDAL
PANTHER[®]
TMT REBARS



SPEED
STRENGTH
FLEXIBILITY

India's First and Largest Producer of Fe 550D TMT Rebars

Contact us: shop.jindalpanther.com
Toll free number: 1800 208 2008

A PRODUCT OF JINDAL STEEL & POWER



ELECTROTHERM[®]

*"The most preferred
Steel Plant maker
up to 1 Million Ton / Annum"*



Induction Melting Furnace

Total Solution for High Quality Steelmaking through Melting-Refining-Casting-Rolling

State-of-the-art Digital inverter technology through Fibre Optic Communication (DiFOC) system in Power Supply Units up to 40,000 KW coupled with Ultra-efficient furnace up to 80 ton capacity.

40 MW / 80 ton



Ladle Refining Furnace

ERF[®] (Electrotherm Refining Furnace) with ELdFOS[®] technology, a special metallurgical equipment for carrying out de-phosphorization and de-sulphurization in the same equipment.

10 ton to 200 ton



Continuous Casting Machine

- Direct rolling of billets
- Enormous metal saving due to reduced scale loss
- Substantial energy saving
- Reduced material handling
- Improved yield from rolling mill
- Enhanced productivity of plant
- Environment friendly
- Higher profitability

80 mm to 400 mm



Rolling Mill

- Highly advanced and proven European Technology to maximize production, manufactured in India
- Renowned and acclaimed technical as well as OEM partners
- Wide range of supply from conventional to the most advanced equipment
- Proven competency in efficient handling of green field, brown field or revamping projects
- Higher productivity / yield
- Superior product quality

Compact Mill for Bar & Wire-Rod, Structural and Narrow Strip Mill

Toll free # 1800-257-7400



Engineering & Technologies

ELECTROTHERM[®] (INDIA) LIMITED
72, PALODIA, (VIA THALTEJ) AHMEDABAD, GUJARAT- 382 115, INDIA
Phone: + 91 2717- 660 550, Email: mkt@electrotherm.com
Website: www.electrotherment.com