

(Formerly known as M.D. INDUCTO CAST LTD.)

Office: Plot No. D-60, Rudra House, 2nd Floor, Near Ram Mantra Mandir, Kaliabid, Bhavnagar - 364002

Works: Survey No. 144 Paiki 1 &2, Survey No. 145 Paiki 1, Nesada, Tal-Sihor-364240. Dist. Bhavnagar(GUJARAT)

Phone: 8238041111 / 0278-2570133 - E-mail: info@rudratmx.com, info@mdgroup.in Web: www.rudratmx.com - CIN: L28112GJ2010PLC062324 A BSE Listed Entity





Date:-May 29, 2024

To,

Listing Department,

Bombay Stock Exchange Limited, PhirozeJeejeebhoy Tower, Dalal Street, Mumbai- 400 001.

**Security Id:-RUDRA** 

Scrip Code:-539226

**Subject** :- Submission of Investor's Presentation.

Dear Sir/Madam,

With reference to the subject cited above; we hereby submit the Investor's Presentation.

Kindly take on your record and acknowledge the same.

Thank you.

Yours faithfully,

For, RUDRA GLOBAL INFRA PRODUCTS LIMITED

Sahil Gupta Managing Director

DIN:- 02941599

Encl.:-

1.) Investor's Presentation;

### Investor's Presentation

Accelerating Toward Net Zero





### **■RUDR** GLOBAL INFRA PRODUCTS LTD.

### SAFE HARBOUR STATEMENT

Statements in this presentation describing the Company's performance may be "forward looking statements" within the meaning of applicable securities laws and regulations. Actual results may differ materially from those directly or indirectly expressed, inferred or implied. Important factors that could make a difference to the Company's operations include, among others, economic conditions affecting demand/supply and price conditions in the domestic and overseas markets in which the Company operates, changes in or due to the environment, Government regulations, laws, statutes, judicial pronouncements and/or other incidental factors.











Steel Demand Forecasts SRO April 2024, finished steel products

	million tonnes				y-o-y growth rates, %	
Regions	2023	2024 (f)	2025 (f)	2023	2024 (f)	2025 (f)
European Union (27) & United Kingdom	136.8	140.7	148.1	-10.0	2.9	5.3
Other Europe	44.3	47.9	46.1	13.5	8.1	-3.7
Russia & other CIS + Ukraine	56.1	58.4	58.9	8.6	4.1	8.0
USMCA	131.7	133.6	136.2	-1.0	1.4	1.9
Central and South America	45.7	45.5	46.8	0.9	-0.5	2.8
Africa	35.0	36.9	38.5	-1.7	5.4	4.4
Middle East	54.9	57.2	58.7	-0.4	4.1	2.6
Asia and Oceania	1 258.5	1 273.1	1 281.9	-1.0	1.2	0.7
World	1 763.0	1 793.1	1 815.2	-1.1	1.7	1.2

f - forecast

ASEAN (5): Indonesia, Malaysia, Philippines, Thailand, Vietnam

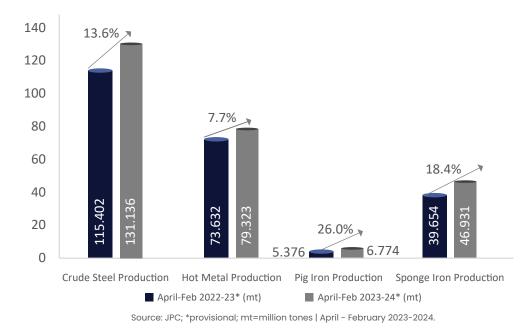
Top 10 Steel Using Countries 2023 SRO April 2024, finished steel products

	million tonnes			y-o-y growth rates, %		
2023	2024 (f)	2025 (f)	2023	2024 (f)	2025 (f)	
895.7	895.7	886.7	-3.3	0.0	-1.0	
133.4	144.3	156.0	14.8	8.2	8.2	
90.5	92.2	94.0	-4.2	1.8	2.0	
54.7	54.3	54.4	6.7	-0.8	0.2	
53.3	53.3	53.9	-3.0	-0.1	1.1	
44.6	46.4	46.4	7.0	4.0	0.0	
38.1	41.5	39.4	17.2	9.0	-5.0	
28.5	28.8	29.3	14.0	1.2	1.6	
28.0	28.9	31.8	-13.7	3.2	10.0	
23.9	24.1	24.5	1.5	1.0	1.6	
	895.7 133.4 90.5 54.7 53.3 44.6 38.1 28.5 28.0	2023 2024 (f)  895.7 895.7  133.4 144.3  90.5 92.2  54.7 54.3  53.3 53.3  44.6 46.4  38.1 41.5  28.5 28.8  28.0 28.9	2023     2024 (f)     2025 (f)       895.7     886.7       133.4     144.3     156.0       90.5     92.2     94.0       54.7     54.3     54.4       53.3     53.3     53.9       44.6     46.4     46.4       38.1     41.5     39.4       28.5     28.8     29.3       28.0     28.9     31.8	2023       2024 (f)       2025 (f)       2023         895.7       895.7       886.7       -3.3         133.4       144.3       156.0       14.8         90.5       92.2       94.0       -4.2         54.7       54.3       54.4       6.7         53.3       53.3       53.9       -3.0         44.6       46.4       46.4       7.0         38.1       41.5       39.4       17.2         28.5       28.8       29.3       14.0         28.0       28.9       31.8       -13.7	2023         2024 (f)         2025 (f)         2023         2024 (f)           895.7         895.7         886.7         -3.3         0.0           133.4         144.3         156.0         14.8         8.2           90.5         92.2         94.0         -4.2         1.8           54.7         54.3         54.4         6.7         -0.8           53.3         53.3         53.9         -3.0         -0.1           44.6         46.4         46.4         7.0         4.0           38.1         41.5         39.4         17.2         9.0           28.5         28.8         29.3         14.0         1.2           28.0         28.9         31.8         -13.7         3.2	

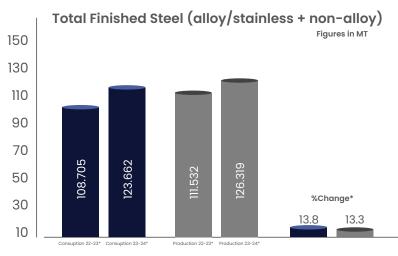
f-forecast | worldsteel Short Range Outlook April 2024.



# OUTLOOK



- Crude Steel: Production at 131.136 million tonnes (mt), up by 13.6%.
- Total Finished Steel: Production at 126.319 mt, up by 13.3%.
- **Production:** Non-flat products accounted for 55% share (up by 14.5%), the rest 45% was the share of flats (up by 11.8%).
- Consumption: Led by Non-flat steel (55% share; up by 14.1%) while the rest 45% was the share of flat steel (up by 13.4%).



Source: JPC; \*provisional; mt=million tones | April - February 2023-2024.

- Contribution of the non-alloy steel segment stood at 117.785 mt (93% share, up by 14.6%), while the rest was the contribution of the alloy steel segment (including stainless steel).
- In the non-alloy, non-flat segment, in volume terms, major contributor to production of total finished steel was Bars & Rods (53.461 mt, up by 14.2%) while growth in the non-alloy, flat segment was led by HRC (48.348 mt, up by 15.2%) during this period.
- Contribution of the non-alloy steel segment stood at 113.853 mt (92% share, up by 13.8%), while the rest was the contribution of the alloy steel segment (including stainless steel).
- In the non-alloy, non-flat segment, in volume terms, major contributor to consumption of total finished steel was Bars & Rods (51.845 mt, up by 13.2%) while growth in the non-alloy, flat segment was led by HRC (46.549mt, up by 13.5%) during this period.



## INDIAN STEEL OUTLOOK

#### 5. Public Private Partnerships (PPP):

• In Jan 2024, the government of Maharashtra and NTPC Green Energy Ltd. have inked a MoU for the development of green hydrogen and its derivatives with a capacity of 1 MT annually. This includes development of 2 GW of pumped storage projects as well as 5 GW of renewable energy projects with expected investment of \$9.64 bn.

#### 4. International investment:

- Between Apr 2000 Dec 2023, FDI in construction development and construction activity sectors stood at \$26.54 bn and \$33.52 bn, respectively.
- FDI rules have been significantly liberalized in India and can provide foreign investors with option aligned with their business goals.

#### 1. Government initiatives:

- PM Gati Shakti National Master Plan (NMP) plans to allocate \$1.3 tn by cutting logistic cost, increase cargo handling capacity and minimize turnaround time.
- National Infrastructure Pipeline (NIP) looks at over 9000 projects across 34 sectors with total outlay of \$1.2 tn between 2020-25.



#### 2. Infrastructure needs:

• As per World Bank, by 2036, 600 mn (approx. 40% population) people will be living in urban cities in India increasing the demand for clean water, reliable power supply, efficient and safe road transport amongst others.

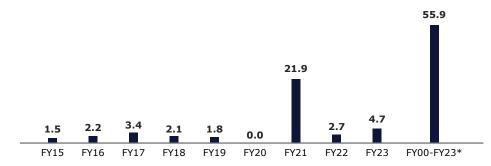
#### 3. Housing development:

- Under the PM Awas Yojana, out of the 3 crore houses built 75 lakh houses have already been delivered to the beneficiaries.
- The government plans to launch a loan subsidy scheme offering a subsidy between 3-6.5% for the lower income groups



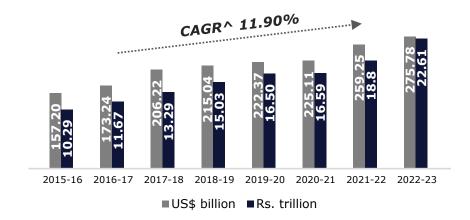
### GUJARAT STEEL OUTLOOK

FDI inflow in Gujarat in April 2015 - March 2023 (US\$ billion)



Note: - ^- CAGR in Rs., GSDP - Gross State Domestic Product, GSVA - Gross State Value Added, AE - Advance Estimate, FDI- Foreign Direct Investment Source: Ministry of Statistics and Programme Implementation, Directorate of Economics and Statistics, Department for Promotion of Industry and Internal Trade (DPIIT)

#### GSDP of Gujarat at Current Prices



#### **ADVANTAGE GUJARAT**

#### High economic growth and industrial development



- One of the most industrially developed states. Contributes about a quarter of India's goods export.
- At current prices, Gujarat's Gross State Domestic Product (GSDP) is estimated at Rs. 22.61 lakh crore (US\$ 275.78 billion) in FY23, an increase of 15.5% YoY.

### Adequate power generation capacity



• The State Government has framed policies in almost all key sectors such as industry, power, ports, roads, agriculture and minerals.

### Rich labour pool



- Good educational infrastructure with premier institutes in management, fashion, design, infrastructure planning and pharmaceuticals.
- Industrial training institutes in each district to train manpower for the shop floor level.

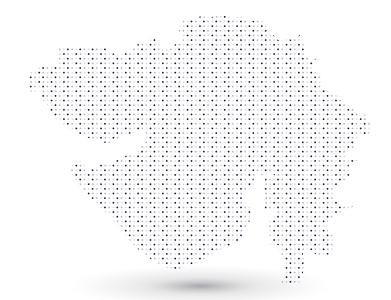
#### Facilitating infrastructure



- The state has developed 46 ports, 17 domestic airports and 3 international airport.
- 2,200 kms gas grid supplies gas to industrial areas.



# GUJARAT STEEL OUTLOOK



#### **KEY GOVERNMENT POLICIES AND OBJECTIVES**



Promote

entrepreneurship &

innovation in the state

Gujarat New Industrial Policy 2020



Solar Power Policy 2015

Promote power generation of

green and clean power in the

state using solar energy and

reduce the cost of generating

renewable energy.



Electric Vehicles (EV) Policy



Jal Jeevan Mission

In June 2021, the Gujarat government introduced the electric vehicles (EV) policy with the aim to roll out 200,000 EVs over the next four years.

Union Government allocated Rs. 3,411 crore (US\$ 471.29 million), a 4x increase in fund allocation YoY, to Gujarat for FY22.

- In June 2023, Google to set up Global FinTech Operations Center in Gujarat's Gift City.
- In February 2023, the Gujarat government signed 18 memorandum of understanding (MoU) worth US\$
   1.20 billion (Rs. 9,852 crore) under the state government's 'Aatmanirbhar Gujarat Schemes for Assistance to Industries'. It is expected to generate 10,851 employment opportunities.
- Gujarat enjoys the status of being the industrially developed state of India, with 16.85% share to India's
  industrial output, the largest among other states of India.
- Gujarat has 106 product clusters. The Cluster Development Scheme has been launched for furthering the growth of product clusters.
- Gujarat ranks first in terms of total area covered under SEZs in India. It is also a leading SEZ state with the highest geographical area of 29,423.9 hectares under SEZ development.







## ≡R

### Rudra Global Infra Products Ltd.

- Incorporated as M. D. Inducto Cast Pvt. Ltd. and located in the steel cluster of Bhavnagar, Gujarat, the company commenced commercial production of MS billets in 2013, to cater to the rising demand for iron and steel in Gujarat. Later in 2014, the company expanded its operations into manufacturing of TMT Bars.
- Through the years, the company has increased its installed capacity in its Steel Melting Shop (SMS) division, from the initial 1.2 lac ton p.a to 2.4 lac ton presently. Also, expansion was carried out in the Rolling Mill (RM) division due to which the installed capacity today stands at 2.4 lac ton p.a.
- M. D. Inducto Cast Pvt. Ltd. was rebranded as Rudra Global Infra Products Ltd (RGIPL) in 2016. The company markets its TMT Bars through a network of 400+ dealers spread across Gujarat. The company primarily operates in the retail segment and its flagship brand "RUDRA TMX" is positioned as a premium brand in the market.
- The cater to rising demand of iron and steel and capitalizing on its extensive network and reach in the market, RGIPL ventured into Multi-Brand Marketing by marketing two regional brands – JB 550 TMX and Tridev TMT.







### Rudra Green Ship Recycling Pvt. Ltd.

- The Company was established in 1996 as Hari Krishna Steel Corporation, starting with a 3004 M.T. Cargo Carrier. The company has since then experienced significant growth and has become a leader in ship breaking and dismantling by 2017. Between 2017 and 2018, the company expanded its business by processing over 63,000 M.T. In year 2018, the company changed its identity and carrying forward the legacy.
- The company is known for its focus on social service and sustainable development in the ship recycling industry. It has been providing ship dismantling and recycling services for over two decades, with a focus on large-scale production while ensuring worker and environmental safety. Some of its major achievements include recycling over 80 ships in 26 years, recycling approximately 8 lakhs M.T., and having a recycling capacity of 75,000 M.T. per annum. The company has also recycled the largest ship, weighing 28597 M.T.
- The company prioritizes its workers and has taken steps to provide them with a safe and comfortable working environment, including setting up a covid care center and residential quarters.

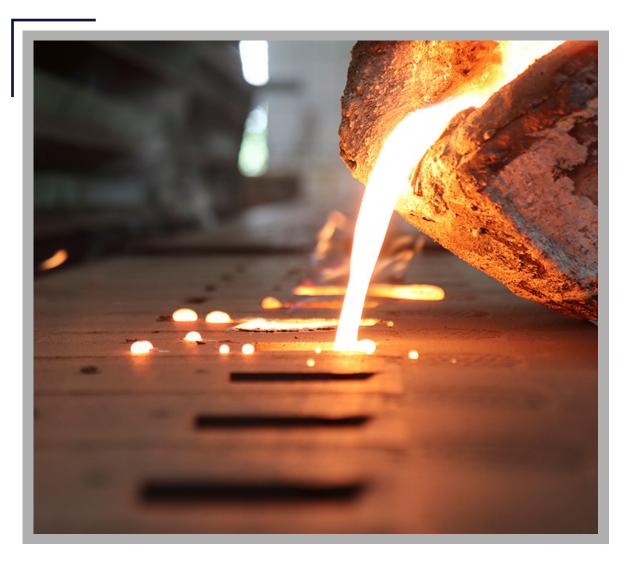


### COMPANY OVERVIEW



### Rudra Aerospace & Defence Private Limited.

- In line with its objective of enhancing and building on its expertise in manufacturing
  of steel products the company has ventured in aerospace and defense sector
  through its wholly owned subsidiary Rudra Aerospace and Defence Pvt Ltd.
- The subsidiary aims to venture in precision and investment casting solutions for various industries including aerospace, defence, automotive, medical, and more.
- We aim at delivering high quality, complex components with tight tolerances and superior surface finishes making us the partner of choice for businesses seeking superior casting solutions.
- We believe in the power of collaboration and innovation to drive success.
- By fostering close partnerships with our customers, suppliers, and industry stakeholders, we continuously strive to improve our processes, expand our capabilities and stay at the forefront of technological advancements in the investment casting industry.



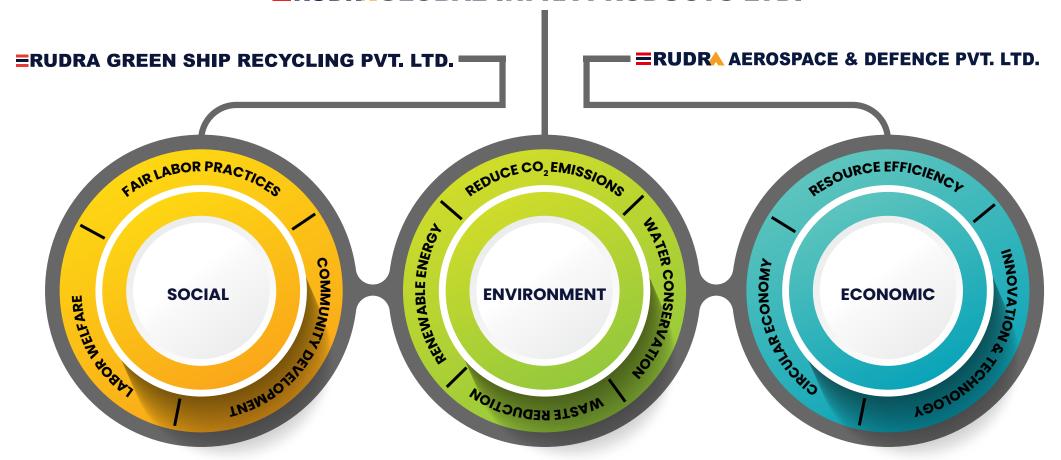




### **SUSTAINABILITY**



### **■RUDR** GLOBAL INFRA PRODUCTS LTD.



# SUSTAINABLE ECO-SYSTEM



• Rudra Group has its presence in ship recycling industry, steel industry as well as investment casting industry. Iron and steel being the core commodity around which all three businesses are based, we tend to enjoy huge competitive advantage vis-à-vis our peers. Having integrated and related businesses helps us to strengthen our market position, improve operational efficiency and enhance customer satisfaction. Another common and important feature in all our businesses is that we are very conscious of our carbon footprint and thus try and minimize the same by recycling iron and steel in all our businesses.



# SUSTAINABLE ECO-SYSTEM

# ≡R

### Rudra Green Ship Recycling Pvt. Ltd.

- The company was incorporated in 1996 as Hari Krishna Steel Corporation, commencing its recycling journey with a 3000 MT Cargo Carrier vessel. Since inception the company has witnessed significant growth becoming one of the key players in the ship recycling industry of Alang.
- The company's commitment to sustainability and safety, and constant endeavor to improve and adopt the best practices in the ship recycling industry has enabled it to recycle various kinds of ships. The company today is vastly experienced in recycling different types of ships including containers, general cargo, bulkers, oil & LPG tankers, reefers, car carriers and other offshore drilling assets.
- RGSRPL has an annual recycling capacity of 75000 MT, and till date has recycled 8 lacs+ MT of iron and steel including 80+ ships. The biggest tonnage ship recycled by the company weighed 28597MT.
- Health, Safety and Environment (HSE) being valued principles of the company the company constantly strives to improve the safety standards for working and also closely monitors the overall welfare of its workforce.

### Our Esteemed Associates



















# SUSTAINABLE ECO-SYSTEM



### Rudra Global Infra Products Ltd.

- Being an integrated plant itself aims at achieving operational efficiency by minimizing its environmental impact. As a result of
  this integration, we use recyclable scrap to manufacture billets which are directly hot-rolled to manufacture TMT Bars, thus
  avoiding the need for reheating billets as practiced in conventional rolling mills.
- Recyclable scrap used not only ensures less environmental impact but also gives us a huge competitive advantage against our peers using virgin steel. Energy and operational efficiency and cost optimization are few of the benefits of recycling scrap. Sourcing of recyclable scrap from ship dismantling activity gives us access to superior quality scrap reducing the need for either adding other minerals or ensuring loss/depletion of any mineral in our production process, to ensure the desired chemical and mechanical quality of our finished goods. TMT Bars produced by us can again be recycled at the end of its productive life to manufacture iron and steel products, thus from our raw material to finished goods, both have a common and most useful feature of recyclability.

### Rudra Aerospace and Defence Pvt. Ltd.

- Rudra Aerospace and Defence Pvt. Ltd. is a step forward for the group to make best use of its years of expertise in iron and steel
  sector. Through this venture we aim to be a part of Gol's MAKE IN INDIA initiative and contribute to fast developing
  technologically advanced engineering goods category, mainly in the aerospace and defence sectors.
- Investment casting primarily involves use of metals as raw material for manufacturing engineering goods, which owing to the ship recycling activity is easily available to us. Using the most advanced global technologies we aim to use our prior knowledge of this sector to become a key player in India's objective of becoming self sufficient in the specialized engineering and defence sectors.

### **Green Ship Recyclers**













**■RUDRA GREEN SHIP RECYCLING PVT. LTD.** 

### TARGETING CARBON NEUTRALITY



### SCRAP MATERIAL CIRCULARITY

We prioritize the use of recyclable steel from the Recyclers & end-of-life steel products for the manufacturing of our products. This approach supports a truly sustainable circular economy.

### 7887 (44))

### RENEWABLE ENERGY SOURCES

We are gradually increasing the use of renewable sources of energy by setting up Wind Mills & Solar Farms.



### INCREASE WATER SECURITY

We are committed to maintaining zero liquid discharge across operations. Also adopting digitalization for better water control and monitoring



# ENSURING ENERGY EFFICIENCY



Scrap Processing





### **Collection and Sorting**

Scrap steel is collected from various sources including industrial waste and by Products, old machinery end-of-life vehicles, demolished buildings and household appliances. It is then sorted based on material type and quality.



### **Separation and Cleaning**

Non-metallic impurities like plastic, rubber etc and other metals are separated from the steel scrap using methods like magnetic separation and manual classification.

Scrap often contains contaminants like paints, oil and rust. Cleaning ensures the quality of recycled steel and prevents defects in the final product.



### **Baling and Compacting**

The processed scrap is compacted into bales to reduce its volume and make it easier to store, handle, transport and melt.

Compacting involevs compressing fine scrap particles, shavings and turnings into dense Briquettes.



### **Melting and refining**

Induction furnace (IF) is used to melt the scrap. The molten metal is then refined to remove impurities and achieve the desired chemical composition.

IF used in the manufacturing process are more energy efficient compared to any electric arc furnace or blast furnace. IF offer precise temperature control which minimizes the heat loss and can quickly adjust the power to achieve desired melting conditions.

Scrap processing is a critical component of the steel industry, offering substantial environmental, economic and operational benefits. Advance in technology and efficient scrap processing methods continue to enhance the viability and effectiveness of recycling in the steel industry.

# SCRAP MATERIAL CIRCULARITY

### Circular Economy of Scrap

Collection and sorting – Efficient collection and sorting systems to recover iron scrap from various sources. Implement advanced sorting technologies to segregate different types of iron scrap and remove contaminants effectively.

**Resource efficiency** - in the production phase, adopting efficient technologies and processes can help minimize resource and waste generation. The includes optimizing raw material usage, energy efficiency improvements, and reducing emissions during scrap utilization.

Recycling and Reuse – Encouraging the recycling and reuse of iron can significantly reduce the need for virgin materials and minimize environmental impact. Scrap iron from end-of-life products, manufacturing waste, and construction and demolition activities can be recycled and reintroduced in the production process, reducing the demand for primary iron resources.

**Closed loop systems –** This systems promote the continuous circulation of materials, reducing the need for new resource and minimizing waste generation.

Innovation and technology adoption – investing in research and development of innovative technologies can drive efficiency improvements and enable new opportunities for iron recycling and reuse. Advanced sorting and separation technologies, metallurgical processes, and material recovery techniques can enhance the circularity of iron production and consumption.





## RENEWABLE ENERGY SOURCES

### Wind Mills / Solar Plant

Steel production being a highly energy intensive industry, a significant portion of our expenses are concentrated on power. With rising tariff rates in state, the company planned to switch to cheaper and greener energy options.

In Pre-COVID period the company had already installed 3 windmills having combined capacity of 4.75MW. The recent impetus given by GoI to renewable energy the company plans to gradually become self sufficient as far as the energy needs of the company are concerned.

We plan to increase our usage of renewable sources of energy to 100% of our energy requirement by 2029. This initiative holds particular significance in India, where the energy landscape predominantly relies on fossil fuel-based power generation.



With a strong commitment to sustainability and reducing our carbon footprint, We are planning to invest in a solar power plant in the near future.

By harnessing the abundant energy of the sun, it will ensure a reliable and consistent energy supply.

This idea aligns with our Board's long-term vision of embracing clean energy solutions while maintaining operational efficiency and competitiveness.

Transitioning from conventional energy to green energy is to be carried out in a phased manner, wherein in Phase-1 the company targets to install 20MW of solar plant/wind mill.



# INCREASE WATER SECURITY

### **Water Security**

Water plays a critical role in the steel production process, particularly for cooling purposes. It helps regulate temperatures and prevents overheating during various stages of manufacturing.

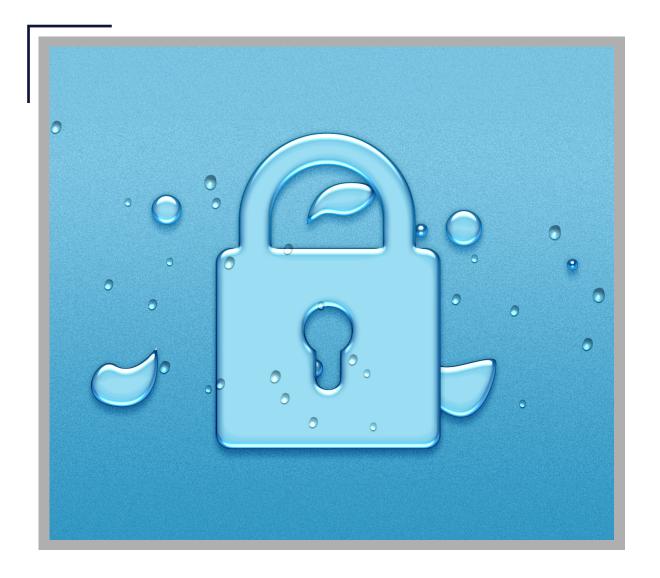
In induction furnaces, water is essential to maintain operational efficiency. It cools the furnace components, prevents overheating, and ensures optimal performance.

Water is indispensable for the quenching process during TMT bar production. Quenching rapidly cools the heated steel billets, resulting in the desired material properties and surface hardness.

### Zero Discharge Policy

It is as a strategy to reduce water consumption and prevent pollution. By recovering and reusing wastewater, we significantly contribute to water conservation efforts.

This approach aligns with sustainability goals and helps address the challenges posed by water scarcity and quality concerns worldwide.











The company believes in creating value not for itself but also for all its stakeholders. Over the years the company has gradually doubled its installed manufacturing capability at both its divisions – SMS and rolling mill, taking advantage of economies of scale as well as adopting to the latest technological advancements which help in improving productivity and efficiency.

The company has indulged in both forward and backward integration, making the most judicious use of the micro economic scenario we were operating in.

The company started operations through its SMS division in 2013, producing 1.2 lakh tons of billet/bloom a year. The company not only made the commercial grade and section of billet, but also catered to the specific needs of high quality graded billets/blooms across different sectional requirement of its customers.

The company's focus on all cost centres, continous monitoring feedback of the market rapidly changing & constantly evolving market conditions has led to the company not only venture new categories & markets, but also optimise costs through quality control and engaging in intiatives to become energy self-safficient.



# STRATEGIC GROWTH



### Forward Integration



**2014** - Cross Country rolling mill was set up where in the billet manufactured was used as captive consumption to manufacture TMT Bars.

**2014** - Our flagship brand - RUDRA TMX was born in the same year and ever since has managed to command a premium in the market owing to its superior quality and wide reach.

**2018** – 20 MT induction furnace was installed doubling the installed capacity of manufacturing billets to 2.4 lakh tons/annum.

**2019** – Reheating furnace of capacity 20MT/Hour was installed to increase production of TMT Bars owing to the rising demand of our products in the market.

**2023** – Latest technology based continous stand rolling mill commenced operations doubling the companies TMT manufacturing capability.

### **Backward Integration**



#### **Captive Power**

Power being the single largest component in the manufacturing costs of the company and the gradual increase in price of power tariffs over the years, required us to reduce our dependance on external sources of energy and become self-sufficient by opting for greener and renewable energy solutions.

0.75 MW, 2 MW and 2 MW capacity wind mill were installed in 2015, 2017 and 2018 respectively.

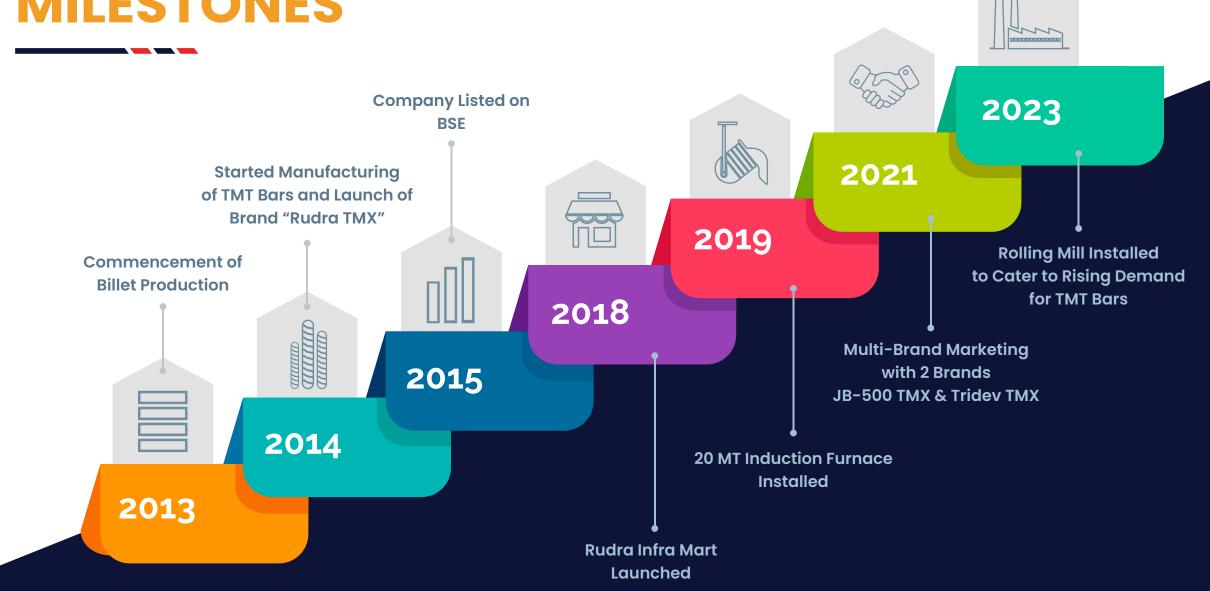
### Scrap Processing

Scrap sorting and processing has become an integral part of our operations to minimize energy wastage as well as optimizing our costs.

**2017** – Bundling machine having capacity of 5MT per hour was set up to increase the efficiency of our production operations at the SMS division.

**2018** – 5kg induction furnace was installed to inspect and approve the quality of the scrap being sourced. This not only helped in analysing the yield of the scrap being unloaded but also the chemical properties of the scrap could be ascertained.

### KEY MILESTONES



### **LEADERSHIP TEAM**



Mr. Nikhil Gupta
(Founder)

Mr. Nikhil Gupta was a natural leader, Under his leadership the Rudra Group has been able to make a name for itself in the industry. An aggressive approach to work with a never to say die attitude have been the key attributes to his success.



Mr. Ashok Gupta (Chairman)

Mr. Ashok Gupta currently serves as the Chairman of BOD at Rudra Global Infra Products Ltd. He is a visionary in the field of iron and steel sector, and therefore has a proven record of achieving success in all his endeavors.



Mr. Sahil Gupta (Managing Director)

Mr. Sahil Gupta has played a crucial role in helping the company increase its manufacturing capacity. He is highly respected by employees for his technical and business skills.



Mr. Vivek Tyagi

Mr. Vivek Tyagi has played a key role in building the company into the successful brand. His expertise extends beyond the company's core product offerings, and introduced a range of additional products through the franchise model.

## COST OPTIMISATION

### ≡R

### Hot-Charging

Hot charging steel is a process used in the steel industry to improve energy efficiency and reduce production costs. It involves transferring hot billets directly from the casting process to the rolling mill without allowing them to cool down significantly.



#### **BENEFITS**



### **Energy Efficiency**

By minimizing the cooling and reheating phases, hot charging significantly reduces the energy required to bring the steel back up to necessary temperature for rolling. This process can reduce energy consumption in reheating process by 20–50%.



### Environmental impact

Low energy consumption translates to reduced greenhouse gas emissions by approx. 10-20% compared to conventional process.



process

and ductility.

#### Cost reduction

Avoiding the need for reheating infrastructure together with reduced energy consumption translates into savings of upto 20% on fuel costs.

Improved product quality

Maintaining high temperature

throughout the production

metallurgical properties of

steel, including its strength

enhances

the



### Operational efficiency

Hot charging helps in reducing production cycle times and increasing productivity by 10-15%. This is due to the reduction in reheating time and more efficient use of rolling mills, which are not delayed by the reheating process.

In short, hot charging leads to streamline operation & easier process control.



Sources: Steel Times International, International Journal of Engineering, Research and Technology, Energy.gov, World Steel Association, Materials today.



### **AUTOMATION**

Automation in steel plants involves integrating advanced technologies and systems to enhance efficiency, quality, and safety in steel production process. Automation streamlines operations, reduces downtime and increases the overall throughput of the plant. It allows for continuous and optimizes production processes.

#### **KEY ASPECTS**

### Control Systems

Advanced control systems monitor and manage various production processes, ensuring optimal conditions for each stage of steel manufacturing.

### Machine Learning

Machine learning algorithms analyse data from production processes to optimize operations, predict maintenance needs, and enhance product quality.

#### Sensor Network

Sensor networks provide real-time data on equipment performance and process variables. This data is crucial for process optimization and predictive maintenance.

### Less Menpower

Reduced need for human intervention enhances workers safety and reduces risk of accidents.







### COMPANY MARKETING

≡R

- Rudra TMX Bars are made from 100% Billet. The flaws of Ingots are not transformed into TMT bars, resulting in superior quality TMT Bars.
- Rudra TMX is One Stop Solution for TMT requirements. Rudra TMX produces grades like Fe500, Fe500D, Fe550D, Fe600 & CRS (Corrosion Resistant Steel) and sizes ranging from 8mm to 40mm.
- Rudra TMX provides Tailor-made length of TMT Bars. We Fulfill costumers requirement of tmt bars of any fixed length required.
- Rudra TMX is made using German Technology THERMEX.
- Rudra TMX is ISI Approved, TUV Norde Approved and maintains European, Russian and American Standards of Steel.Rudra TMX is ISI Approved, TUV Norde Approved and maintains European, Russian and American Standards of Steel.





GERMAN TECHNOLOGY THERMAX CERTIFIED FULLY AUTOMATED FULLY INTEGRATED

100% BILLET





## ≡R

### **Key Features**

- Quadra rib pattern.
- Reduced steel consumption due to high strength.
- Optimum weldability & bendability.
- Increased yield strength.
- Superior elongation.





# RUDRA<br/>INFRA MART

**≡**R

A flagship product of Rudra Global Infra Products Ltd. launched in 2019, aimed at increasing the company's customer orientation by providing infra related solutions to the customer under one roof.

Product portfolio offered is a mix of quality goods and services including goods like TMT Bars, Binding Wire, MS and PVC Pipes, Structural Steel, Water Proofing Solutions, Laminates, etc. and services of professionals like architects, contractors, masons, etc.

Since inception 7 such outlets have been set up in different cities across Gujarat. The company plans to increase the number of these outlets to 30 by 2026.

Rudra Inframart aims at enhancing customer experience by making a small contribution in the long and tedious process of home building of a customer.















### =RUDRA GLOBAL

### CATERING TO INFRA NEEDS OF INDUSTRIES ACROSS SECTORS

**Engineering Goods** 







Pharmaceutical





Infrastructure









Petrochemicals





**Government Bodies** 

















### CSR KEY INITIATIVES



helps improve road safety by installing barricades to control traffic flow. In collaboration with gujarat traffic police.



Traffic Awareness (Education):
RUDRA organizes workshops
or events to share information
and teach traffic safety.



Pani ki Parab (Conservation):
RUDRA raises awareness about
saving water, promotes
conservation practices and
satisfies thirst of the general
pedestrians and commuters.



Helmet Distribution (Safety Gear): Campaign done on road safety in collaboration with Ahmedabad police wherein free helmets were distributed to riders.



Say no to Plastic (Environment): Endorsing GOI intiative of reducing plastic use, we encourage reduction use of single usage of plastic by distributing environmental friendly bags for free to the general public.

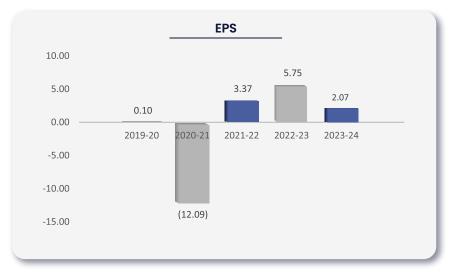


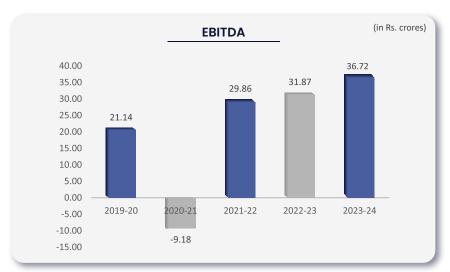


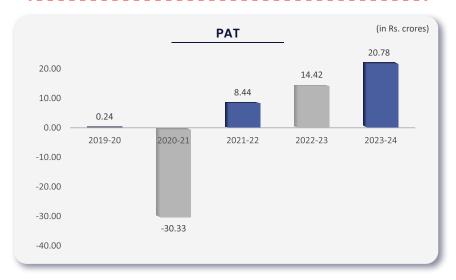
### FINANCIAL HIGHLIGHTS





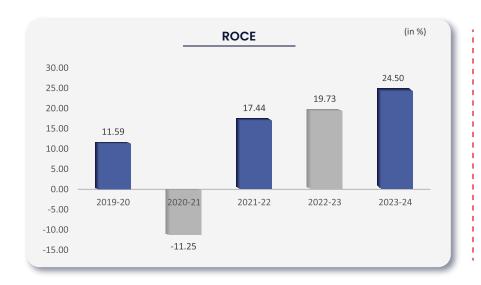






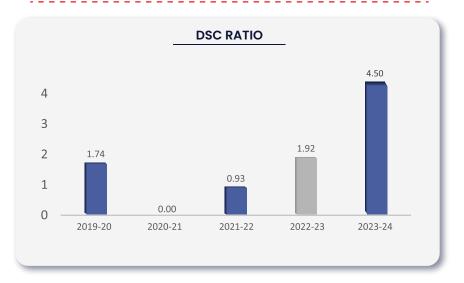
### FINANCIAL HIGHLIGHTS















	Particulars	As at 31st March 2024	As at 31st March 2023
Α	ASSETS		
(1)	Non - Current Assets		
	(a) Property, Plant and Equipment	60,33,03,344	60,05,99,532
	(b) Capital work - in - progress		
	(b) Other Intangible Assets	2,13,643	3,19,256
	(c) Non Current Financial Assets		
	Investment	4,56,630	4,56,630
	Loans	2,41,19,728	2,50,38,617
	Others Financial Asset	7,02,82,678	4,51,56,000
	(d) Other non current Asset	47,66,378	51,48,826
(2)	Current Assets		
	(a) Inventories	2,14,59,31,578	1,83,22,49,219
	(b) Current Financial assets		
	(i) Trade receivables	6,03,05,905	43,15,58,954
	(ii) Cash and cash equivalents	43,29,104	2,51,81,848
	(III) Loans	-	-
	(c) Other current assets	12,90,80,497	15,42,41,349
	TOTAL ASSETS	3,04,27,89,486	3,11,99,50,231





		Particulars	As at 31st March 2024	As at 31st March 2023
В	EQL	JITY AND LIABILITIES		
ı	EQL	JITY		
	(a)	Equity share capital	50,17,19,140	25,08,59,570
	(b)	Other Equity	63,55,48,513	67,85,98,199
II	LIA	BILITIES		
(1)	Nor	Current Liabilities		
	(a)	Non Current Financial Liabilities		
		(i) Borrowings	28,50,65,330	38,43,49,604
		(ii) Provision for Gratuity	65,51,564	46,44,154
	(b)	Deferred Tax Liabilities	6,39,34,935	6,79,56,811
	(c)	Other Non-current Liabilities	65,91,970	53,89,970
(2)	Cur	rent Liabilities		
	(a)	Current Financial Liabilities		
		(i) Borrowings	1,02,22,68,529	76,66,61,150
		(ii) Trade payables	36,11,22,071	83,52,68,178
		(iii) Other Current Financial Liabilities		-
	(b)	Other current liabilities	12,00,51,378	9,63,33,223
	(c)	Short Term Provisions	64,42,369	58,37,071
	(d)	Current tax liabilities (Net)	3,34,93,687	2,40,52,300
		TOTAL EQUITY AND LIABILITIES	3,04,27,89,486	3,11,99,50,231

### **THANK YOU**

### SUSTAINABILITY WITH COST ECONOMICS



### **Energy Efficiency**

Automation leading to minimising waste by-product leading to savings of 0.5% of Cost of production.



### Co, Emission

With hot charging, production is Tmt bars is done without reheating and without the use of coal resulting in savings of 2%.





#### Integration

Market edge of forward and backward integration resulting in better availability of resource.



### **Scrap Processing**

Using scrap instead of virgin metals helps in reducing energy losses and improve input/output yield by 15%.



### Renewable Energy

Captive consumption of power generated wind mills results in energy cost savings of upto 70%.



### **ERUDRAGLOBAL INFRA PRODUCTS LTD.**

Office: Plot No. D-60, Rudra House, 2<sup>nd</sup> Floor, Near Ram Mantra Mandir, Kaliabid, Bhavnagar - 364002.

Works: Survey No. 144 Paiki 1&2, Survey No. 145 Paiki 1, Nesada, Tal-Sihor-364240. Dist. Bhavnagar (GUJARAT).

**Phone:** 8238041111 / 0278-2570133 | **E-mail:** info@rudratmx.com, info@mdgroup.in

Web: www.rudratmx.com