

Presented By:

Jindal Stainless, Jajpur



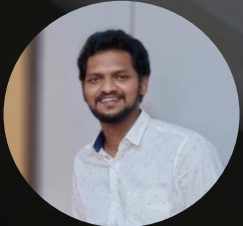
Jyoti Ranjan Tripathy

AGM-ESG



Bhabani Sankar Pradhan

Manager-ESG



Alluri Arpith Prasanna Kumar

Associate Manager-CRM

CII National Award for Excellence in Energy Management 2024

10th-12th September 2024

About Jindal Stainless Limited-Jajpur

- Founded by (Late) Shri O.P Jindal in 1970, Jindal Stainless Group is the Largest Stainless Steel conglomerate in India and ranks amongst the top 5 Stainless Steel Producers globally (Ex China).
- Jindal Stainless Group has an annual crude steel capacity of **2.9 MTPA** and the group has an annual turnover of **Rs 35,030 crores**.

Our Vision:

Improving lives through trust-worthy and innovative stain-less solutions.

Our Mission

To be a leading Stainless steel company in the world forging Reliable relationships with the Customers, Suppliers, employees and all other Stake Holders. Building Strong Capabilities driving innovative practices, high quality and competitive solutions.

Specialized Products of JSL Jajpur



Slabs



Plates



Hot-rolled Coil



Cold-rolled Coil

- We are a ISO 50001 certified company



Founder –
Late Shri O.P.Jindal Ji

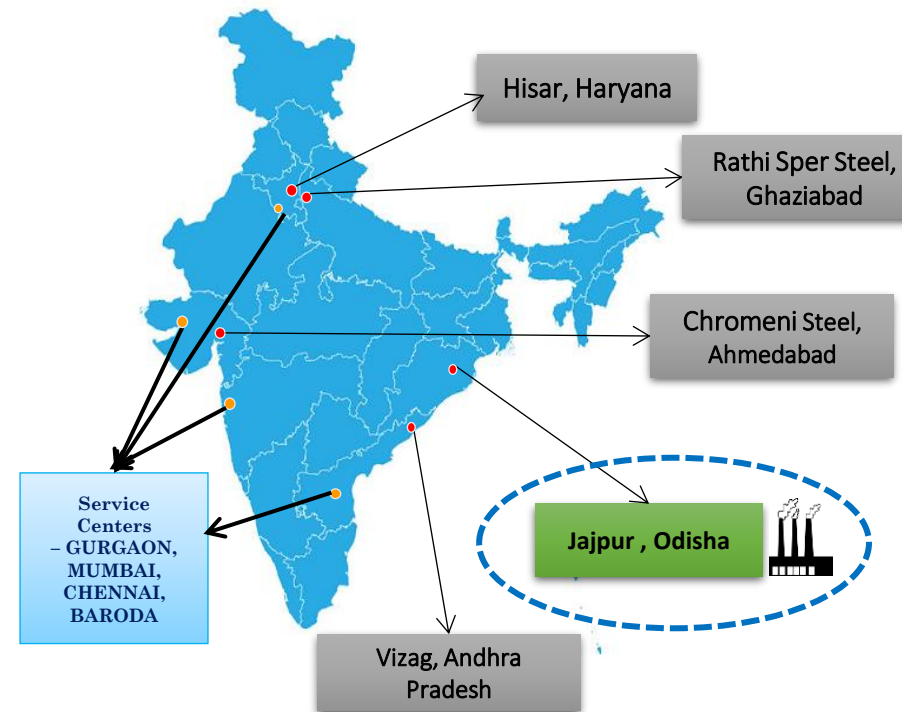


Chairman-
Shri.Ratan Jindal

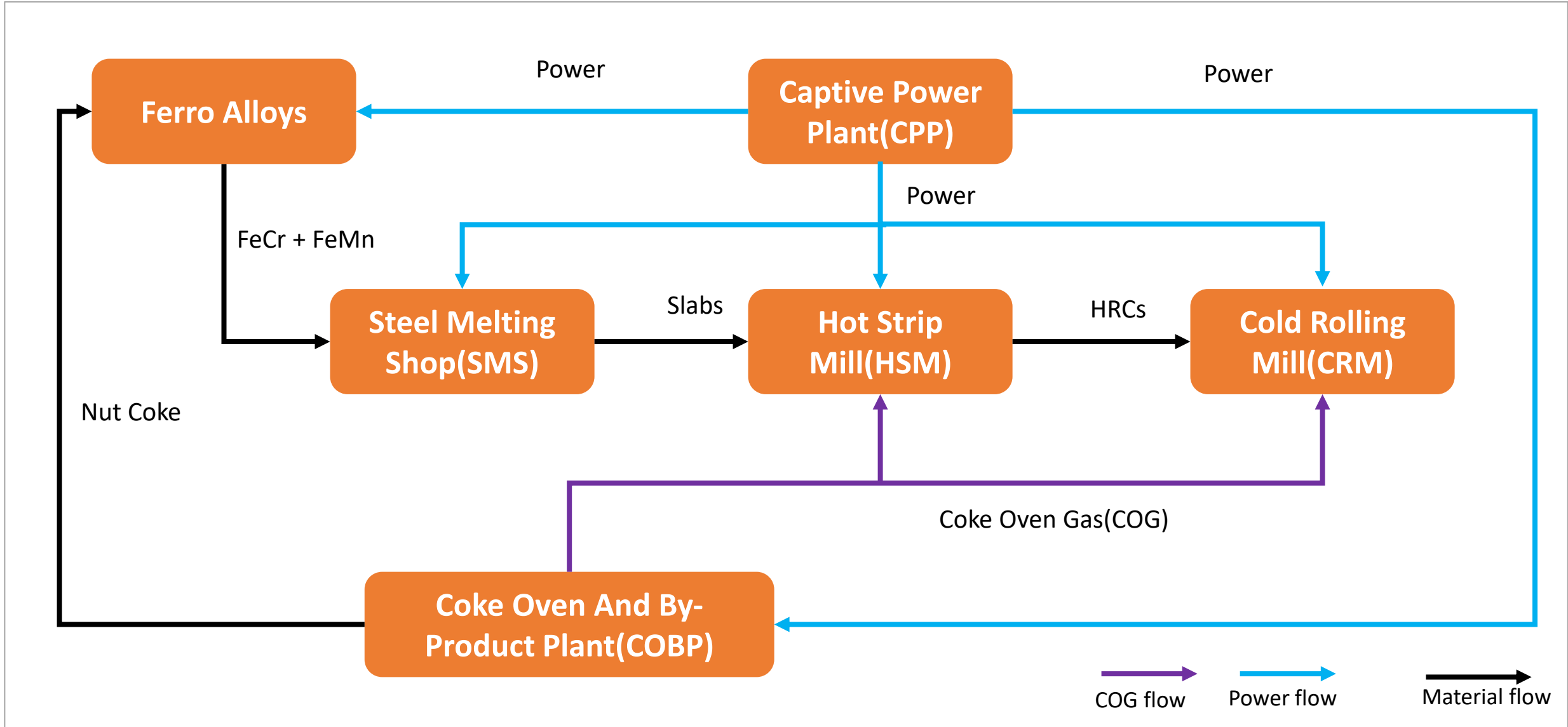


MD –
Shri Abhyuday Jindal

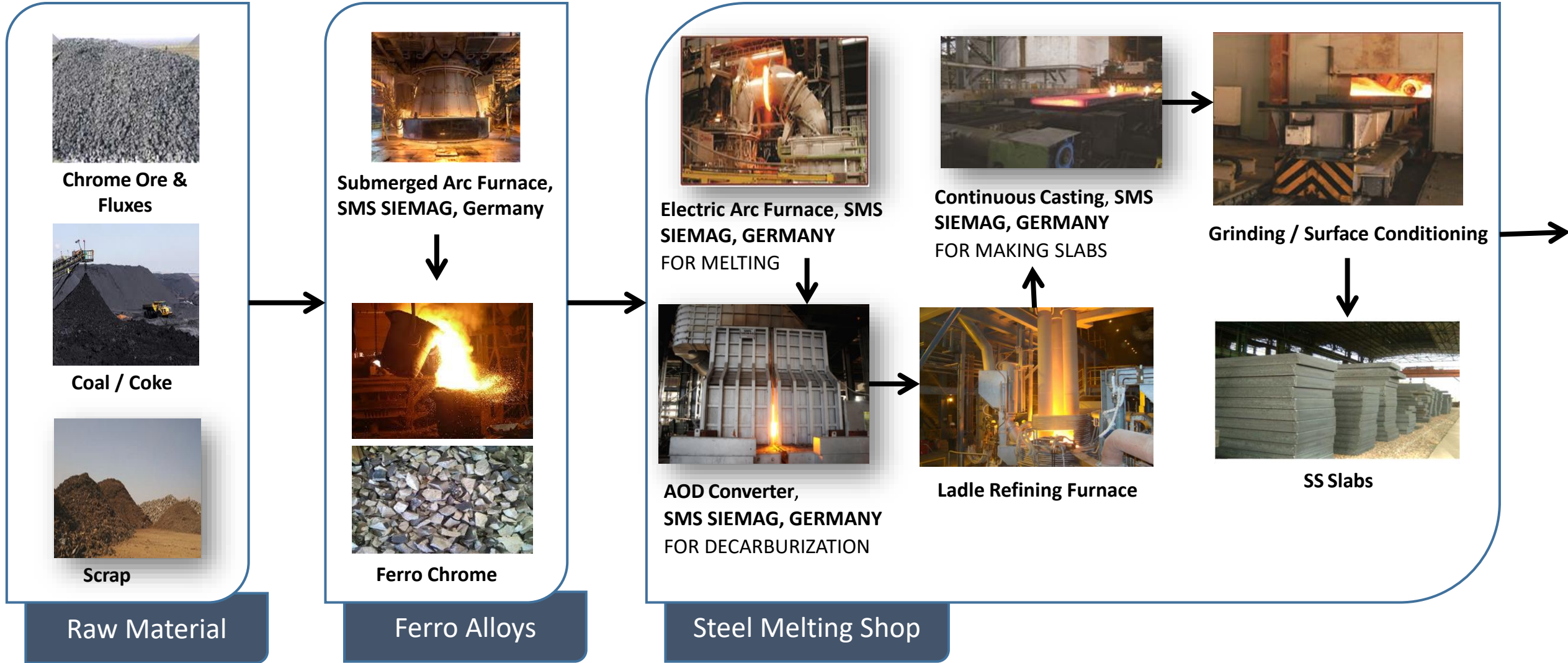
Major Operating Sites



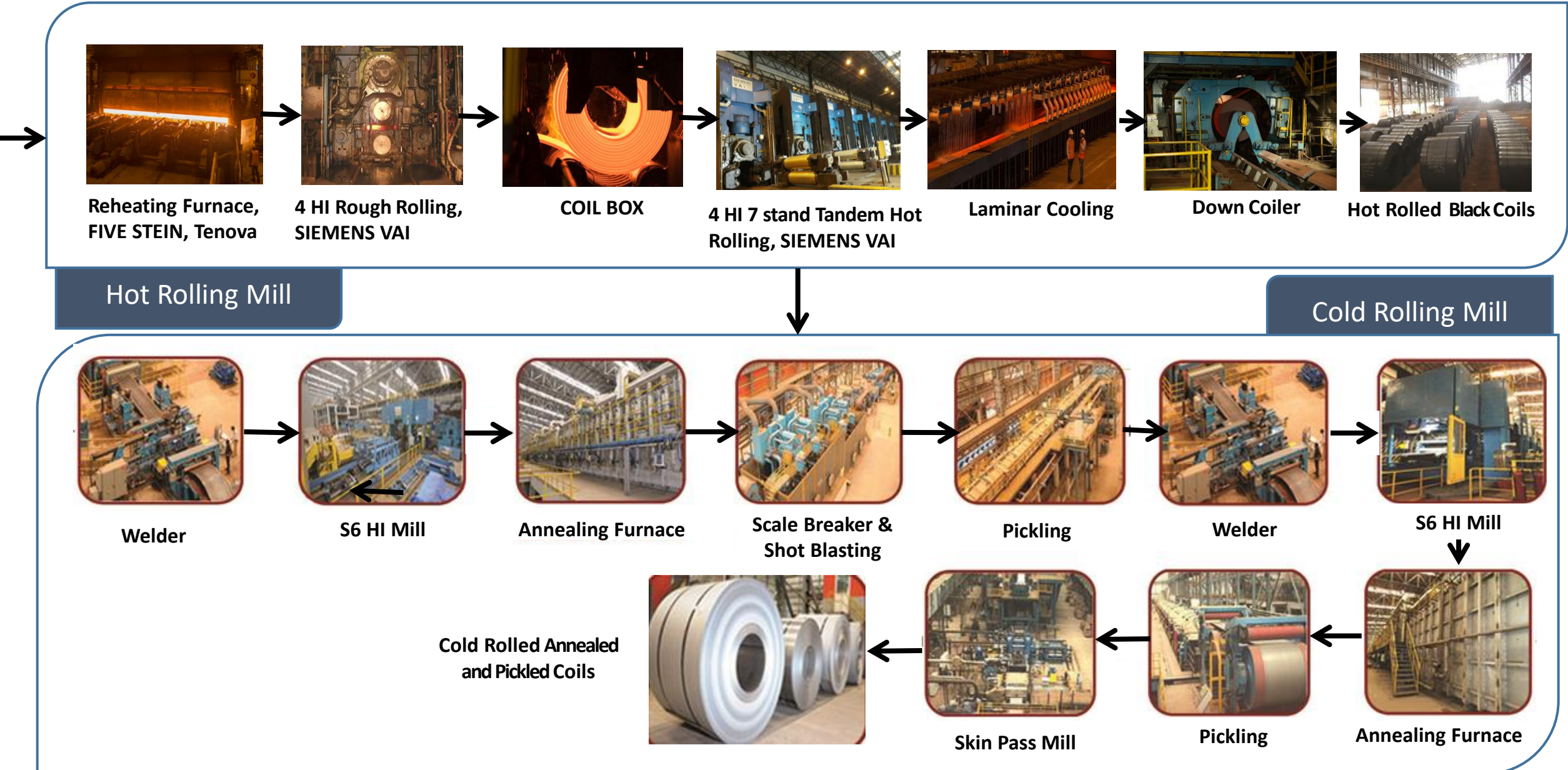
Our Manufacturing Process [1/3]



Our Manufacturing Process [2/3]

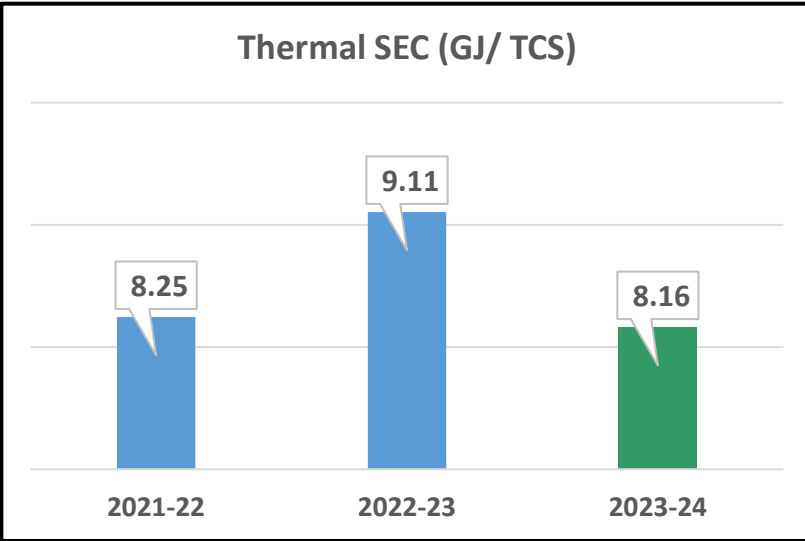


Our Manufacturing Process [3/3]

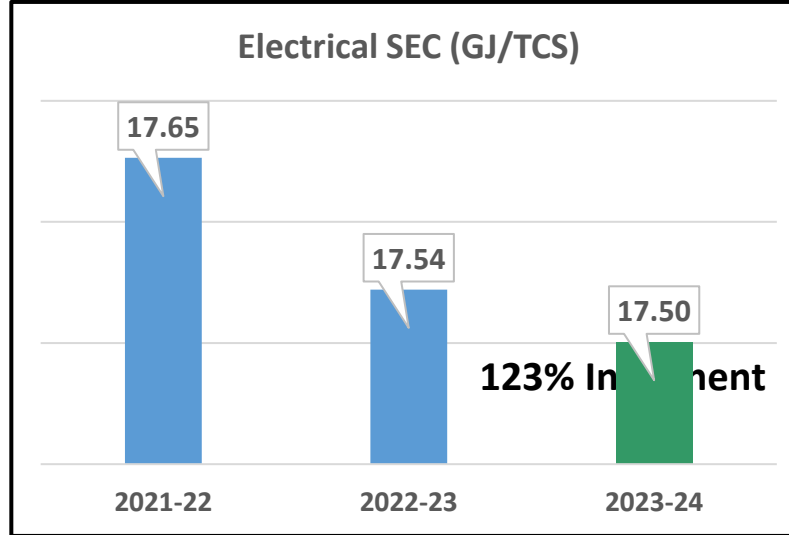


Specific Energy Consumption (SEC) Trend

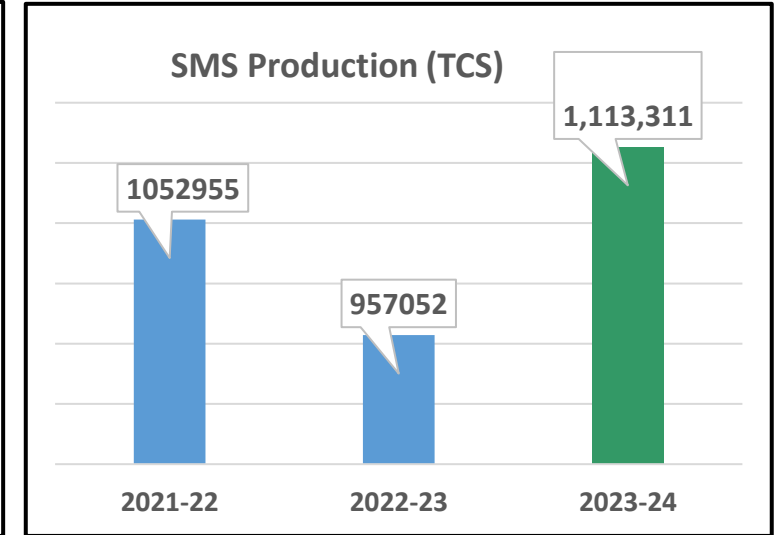
Thermal SEC (GJ/ TCS)



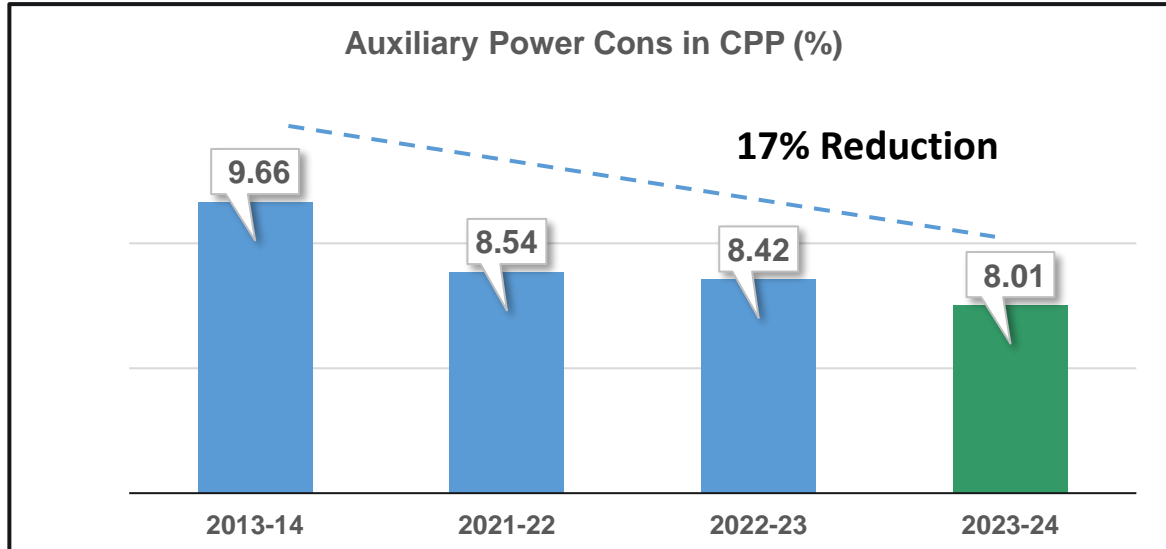
Electrical SEC (GJ/TCS)



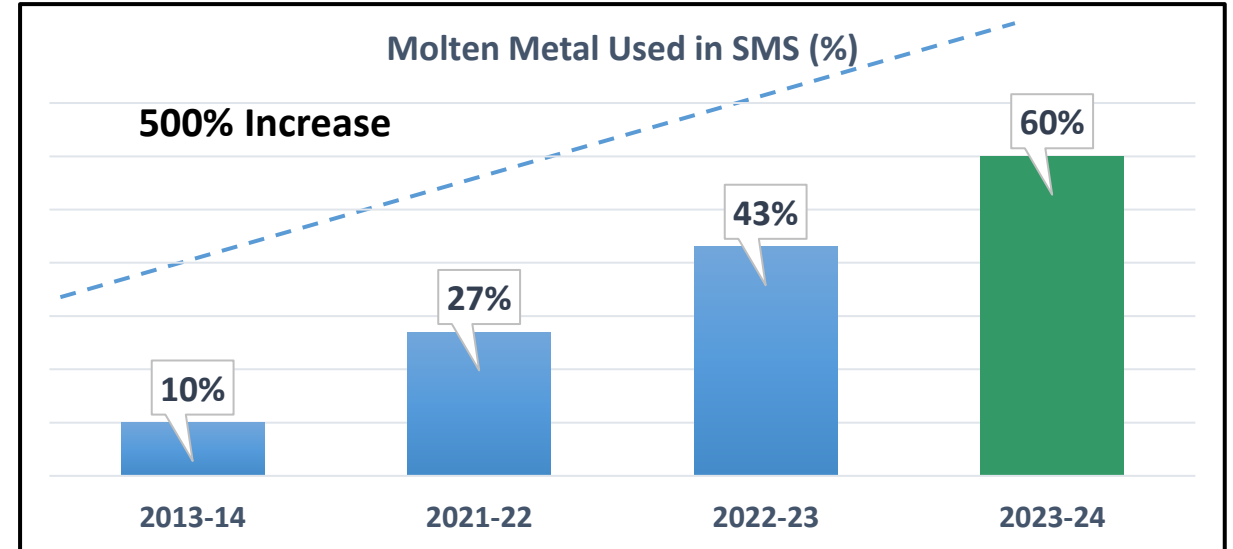
SMS Production (TCS)



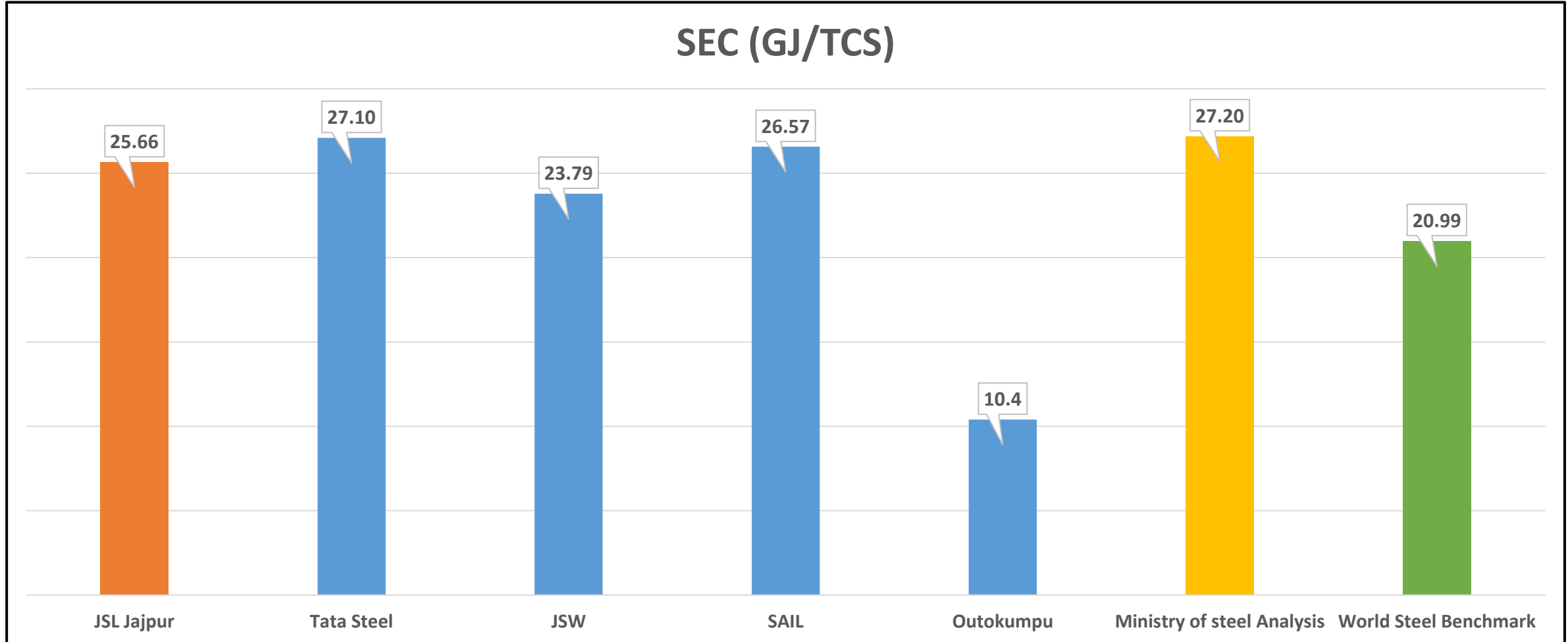
Auxiliary Power Cons in CPP (%)



Molten Metal Used in SMS (%)



Specific Energy Consumption (SEC) Benchmark



Legend Note

- Peers
- National Benchmark
- International Benchmark

Note:

- Intensity figures has been compiled from latest available public reports of peers.
- For National benchmarking data has been taken from [ministry of steel website](#).
- For International benchmark [world steel 2023 sustainability indicators](#) has been considered.

List of Major Encon Project Planned for FY 2024-25 [1/3]

The Mandatory Energy Audit was conducted by TUV SUD in January 2024 – engaging 80 Man-days that lead to the exploration of the following projects.

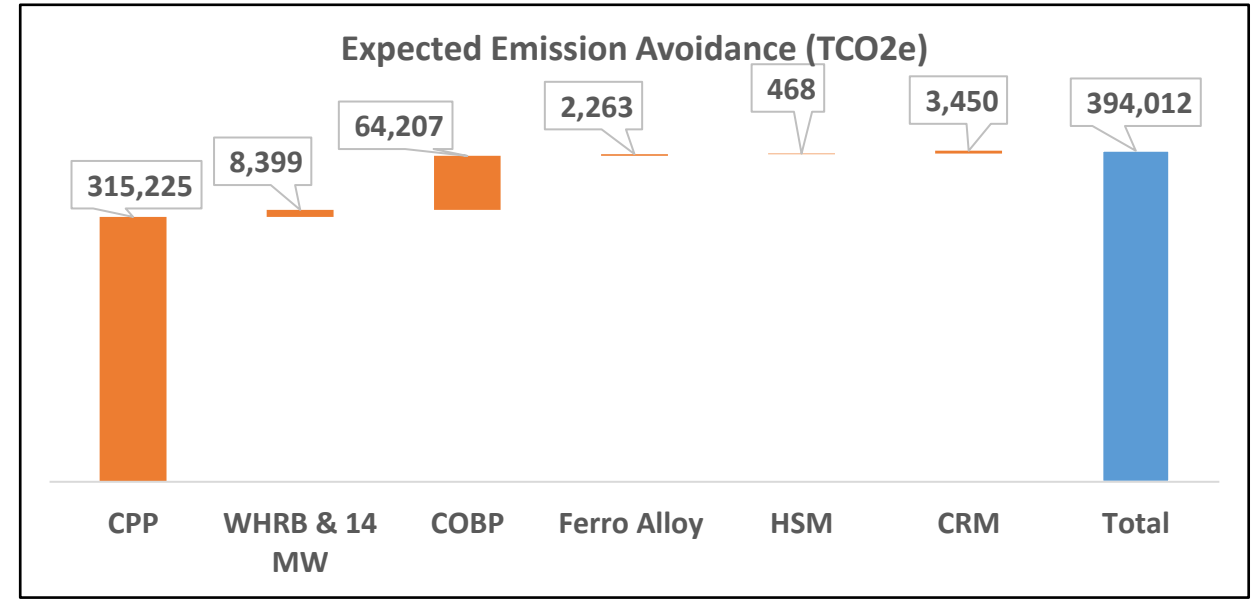
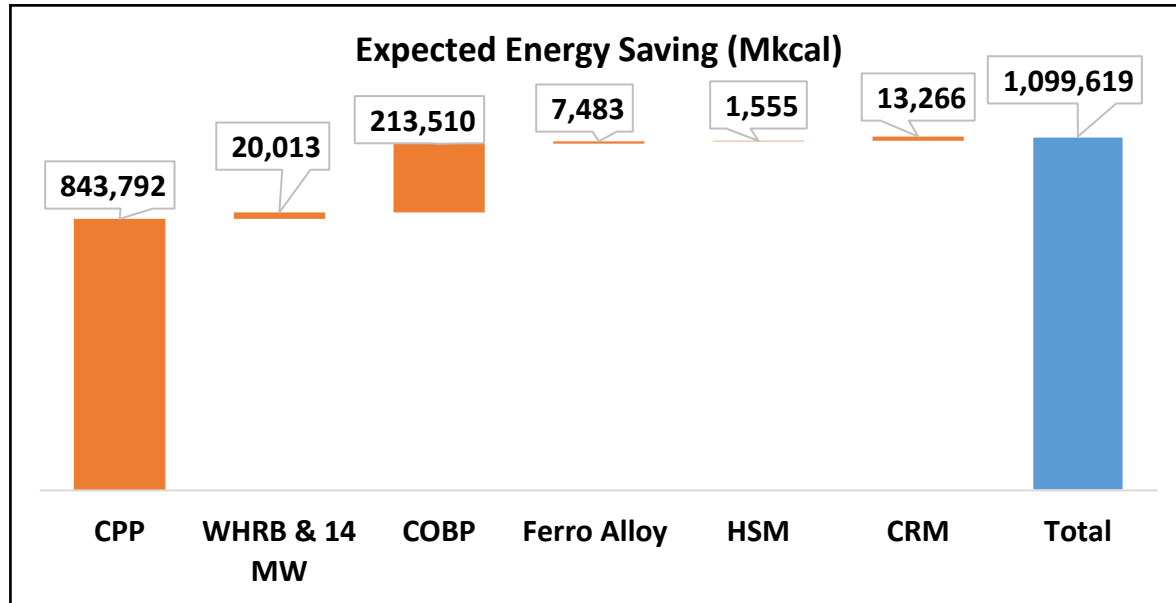
S.No	Details of energy efficiency improvement measure	Expected Investment in Rs. In Lakh	Expected Savings in Rs in Lakh	Expected Savings - Energy	TOE	mkcal/mkwh	Units	Fuel Saving Type
Department: CPP								
1	Scope of Insulation of CEP Discharge line till LPH Inlet in all the TG's	0.30	2.90	806.03	260.27	2,602.67	Tonne	Coal
2	Improving the Mill Outlet Temperature	0.00	7.52	2,089.97	674.85	6,748.51	Tonne	Coal
3	Improving Coal Mill Air to Coal Ratio	0.00	17.67	26,56,691.00	629.75	2.66	kWh	
4	Improving the Economizer Inlet temperature of Unit 2 to improve Unit heat rate	2.00	48.49	13,468.42	4,348.95	43,489.53	Tonne	Coal
5	Scope of Sonic soot blower in APH of the Boiler in place of Steam Soot blower	3.00	4.76	1,321.94	426.85	4,268.54	Tonne	Coal
6	Stop 1 Ejector in Normal operation	2.00	10.07	2,799.00	903.80	9,037.97	Tonne	Coal
7	Improving the Heat rate of the Steam Turbine of TG 1, and TG 2	20.00	213.04	2,36,710.00	76,433.66	7,64,336.59	Tonne	Coal
8	Scope of Auto Control of Cooling tower fan Speed	0.00	0.43	65,088.00	15.43	0.07	kWh	
9	Insulation Improvement in the CPP Area	1.00	0.25	70.59	22.79	227.94	Tonne	Coal
10	Improve ID Fan power consumption by arresting the duct leakages between APH outlet and ID Fan inlet	2.00	10.64	15,99,600.00	379.17	1.60	kWh	
11	Arrest Passing of Recirculation Valve of Condenser Extraction Pump	0.00	1.86	2,80,000.00	66.37	0.28	kWh	
12	Replacement of Existing Reciprocating Compressor with Screw Compressor	6.00	5.95	8,94,736.84	212.09	0.89	kWh	
13	Scope of Trimming/VFD in Seal Air Fan of Coal Mill	0.36	0.29	43,800.00	10.38	0.04	kWh	

List of Major Encon Project Planned for FY 2024-25 [2/3]

S.No	Details of energy efficiency improvement measure	Expected Investment in Rs. In Lakh	Expected Savings in Rs in Lakh	Expected Savings - Energy	TOE	mkcal/mkwh	Units	Fuel Saving Type
Department: WHRB & 13 MW CPP								
1	Scope of Improvement of WHRB 1 Flue Gas Temperature	0.00	20.75	5,763.71	1,861.10	18,611.02	MT	Coal
2	Scope of Insulation of CEP Discharge line till DEA Inlet in 13 MW Plant	0.10	0.77	214.00	69.10	691.01	Tonne	Coal
3	Stop 1 Ejector in Normal operation in 13 MW Plant	0.00	0.66	183.00	59.09	590.91	Tonne	Coal
4	Improving the Heat rate of the Steam Turbine of TG in 13 MW Plant	0.10	2.81	781.00	252.18	2,521.85	Tonne	Coal
Department: COKE OVEN PLANT (COBP)								
1	Scope of CDQ (Coke Dry Quenching) System in place of Wet quenching System	1,000.00	598.50	9,00,00,000.00	21,333.87	90.00	kWh	
2	Scope of VFD in 1 Cooling tower fan	0.66	0.17	58,176.00	13.79	0.06	kWh	
3	Scope of replacement of Old Compressors	6.00	2.49	3,73,714.30	88.59	0.37	kWh	
Department: Ferro alloy								
1	Scope of Utilization of Waste Heat of Submerged arc furnace 3, 4, and 5	10.00	13.97	21,00,000.00	497.79	2.10	kWh	
2	Increase capacity utilization of Jigging plant conveyors	0.04	0.06	8,400.00	1.99	0.01	kWh	
3	Low Efficiency of Briquette Plant Dryer	2.00	8.21	164.11	164.93	1,649.31	MT	FO
4	Stop idling operation of Briquette Conveyor BC 2.	0.19	0.15	22,200.00	5.26	0.02	kWh	
5	Scope of VFD in Primary Water Pump	4.00	1.26	136.30	0.03	0.00	kWh	
6	Scope of VFD in Secondary Water Pump	4.00	2.00	3,00,326.70	71.19	0.30	kWh	
7	Stop Cooling water flow in standby compressor	0.02	0.27	40,000.00	9.48	0.04	kWh	

List of Major Encon Project Planned for FY 2024-25 [3/3]

S.No	Details of energy efficiency improvement measure	Expected Investment in Rs. In Lakh	Expected Savings in Rs in Lakh	Expected Savings - Energy	TOE	mkcal/mkwh	Units	Fuel Saving Type
Department: HSM								
1	Scope of VFD in RH Furnace Combustion air fan	4.50	2.85	4,28,800.00	101.64	0.43	kWh	
2	Revamping of Chiller Plant	0.10	1.53	2,30,009.60	54.52	0.23	kWh	
Department: CRM								
1	Scope of Optimisation and improvement of operating efficiency in IDCW Pumps	0.00	6.33	9,52,000.00	225.66	0.95	kWh	
2	Scope of utilization of Flue gas for preheating in Annealing furnace 1 and 2	10.00	12.00	1,80,000.00	214.00	2142.00	kg	LPG
3	Optimization of Propane Boiler	0.00	73.00	8,76,00,00,000.00	876.00	8,760.00	kcal	propane
4	Scope of VFD in 1 Cooling tower fan	0.55	0.33	49,247.01	11.67	0.05	kWh	

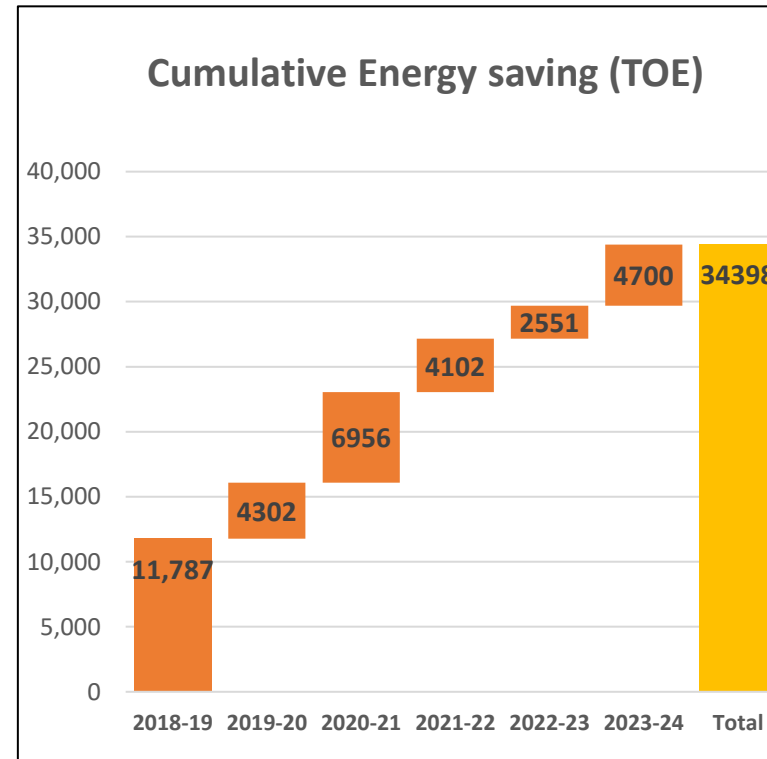
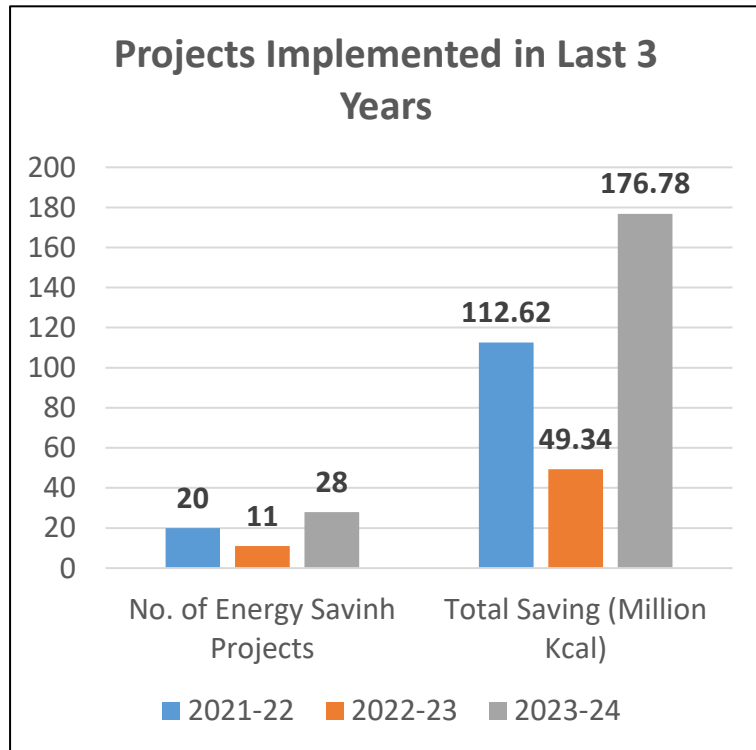


Energy Saving Projects Implemented in Last Three Years

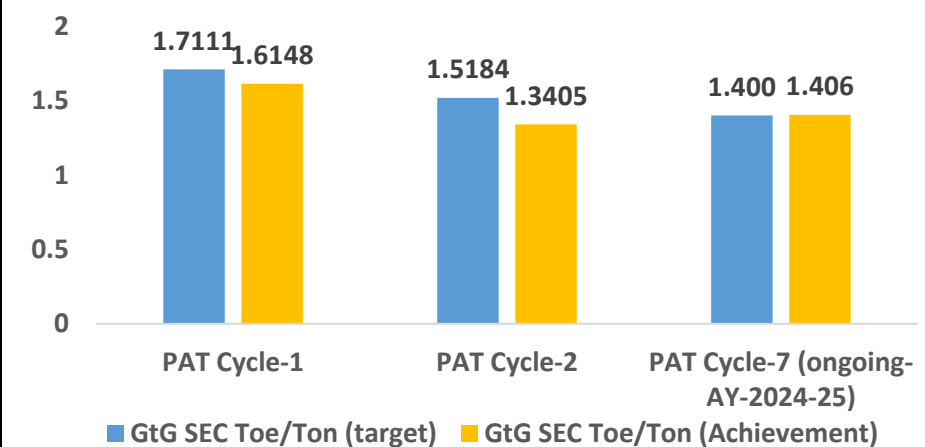
Year	No of Energy saving projects	Investment (INR Million)	Electrical savings (Million kWh)	Thermal savings (Million Kcal)	Total Savings (INR Million)	Payback period (in months)
FY 2021-22	20	5.22	16.56	573671.31	112.62	0.56
FY 2022-23	11	14.94	3.36	17540.00	49.34	3.6
FY 2023-24	28	45.53	6.10	5875.83	176.78	3.1

Perform Achieve & Trade (PAT) Performance

JSL has successfully met the energy consumption reduction target established by the Bureau of Energy Efficiency (BEE) during PAT Cycle-I & II in excess & entitled with positive ESCerts.



Description	UoM	PAT Cycle- I	PAT Cycle- II
EsCerts Earned	Numbers	12,687	20,887



List of Major Projects Implemented in Last Three Years [1/2]

Year	Name of Energy saving projects	Investments (INR Million)	Electrical savings (Million kWh)	Thermal savings (Million Kcal)	Total Savings (INR Million)	Payback period (in months)
21-22	Reduction of specific time consumption at EAF	0	5.28	0	33.02	0
21-22	Reduction of specific power consumption at LRF	0	3.52	0	22.01	0
21-22	Reduction of auxiliary power consumption at ID Fan	0	2.64	0	16.51	0
21-22	Reduction in power consumption of ID Fan	2.5	2.42	0	15.14	2
22-23	Heat Rate improvement through improvement in condenser Vacuum Unit-2 of CPP	2.2	0	12186	18.6	1.4
22-23	Up-gradation of the Electrode regulation system at LRF to decrease the specific power consumption of SMS	7.04	1.62	0	10.13	8.3
22-23	High Pressure Heaters internal inspection and rectification Unit-2 of CPP	0.8	0	4298	6.99	1.4

List of Major Projects Implemented in Last Three Years [2/2]

Year	Name of Energy saving projects	Investments (INR Million)	Electrical savings (Million kWh)	Thermal savings (Million Kcal)	Total Savings (INR Million)	Payback period (in months)
23-24	Installation of waste heat recovery boiler with COMBO process	26.26	0	3735.0	72	4.4
23-24	Reduction of Energy Consumption by Annealing Bypass of Specific Grades	0	0.36	11362.50	57	0
23-24	Reduction of power consumption by reducing of U-1 ID fan overload	8	3.14	0	20.78	4.6
23-24	Hot Charging of Slabs in RHF for fuel saving in different grades	0	0	2463.63	12.41	0
23-24	Energy saving in Pump house by leveraging potential of primary and cold well pumps in SAF 3,4&5	0.45	0.72	0	4.78	1.1

Reduction of Energy Consumption by Annealing Bypass

Problem Definition

The Process required all grades of slabs to be processed in HAPL division before further processing though some grade does not need to go annealing

Steps Taken

- Annealing bypass trials conducted for specific grades and found slabs still meet quality requirement
- Bypassing annealing process leads to propane reduction (~20kg/ton) along energy savings

Data collection and Results Achieved

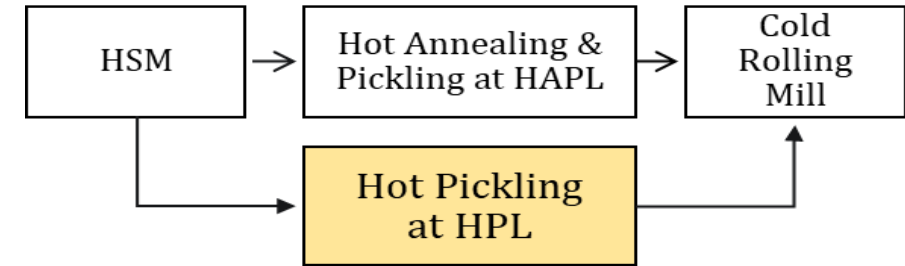
Particulars	UoM	QTY
Total Quantity bypassed in FY'23-24	MT	44457
Propane saved (@20.7Kg/MT)	MT	920
Total CO2 abated through Propane reduction (A)	TCO2e	2752
Power Saved (HPL-37 Kwh/MT, HAPL -45 KwH/MT)	KWh/T	8
Total CO2 abated through Power reduction (B)	TCO2e	336
Total CO2 abated (tCO2) (A+B)	TCO2e	3088
Tangible Benefits	Lakhs	720

* Calculation is based on FY 23-24 data

Before:



After:



Other Benefits (Intangible)

- Reduction of energy requirements by effective process optimization
- Conservation of fuels and natural resources

Return on Investment

- Return on investment in = 2.8 Years



Hot Charging of Slabs from Melt Shop to Reheating Furnace (RHF) of Hot Roll

Problem Definition

The Process required all grades of slabs to be processed in reheating furnace before further processing which causes huge amount of thermal energy consumption

Steps Taken

- Identified and prioritized list of grades to be populated basis complexities/ quality constraints to optimize energy savings
- Hot charging of slabs in reheating furnace leads to significant energy savings (~15%) along with productivity improvement

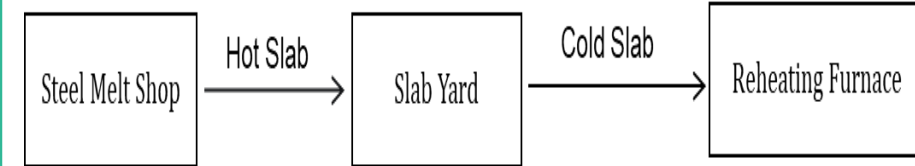
Data collection and Results Achieved

Grades	Total Production (MT)	Total Hot Charged (MT)	Fuel Savings (MT)	TCO2 Abated
Grade – 1	283111	91728 (32%)	775 (8.45 kg/MT)	2318
Grade - 2	138789	82748 (60%)	201 (2.43 kg/MT)	601
Total	421900	174476 (41%)	976	2919

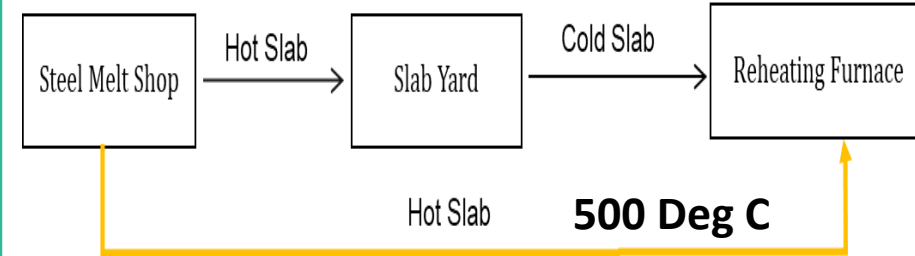
Tangible Benefits due to Avoided LPG consumption = 585 Lakhs

* Calculation is based on FY 23-24 data

Before:



After:



Other Benefits (Intangible)

- Reduction of energy requirements by effective process optimization
- Conservation of fuels and natural resources

Uniqueness

Process Improvement and energy conservation without investment



Waste Heat Recovery from Annealing Furnaces in Cold Roll Mill

Problem Definition

The Process required to use propane fired boiler to generate steam which is used in further process. Which causes huge amount of thermal energy consumption

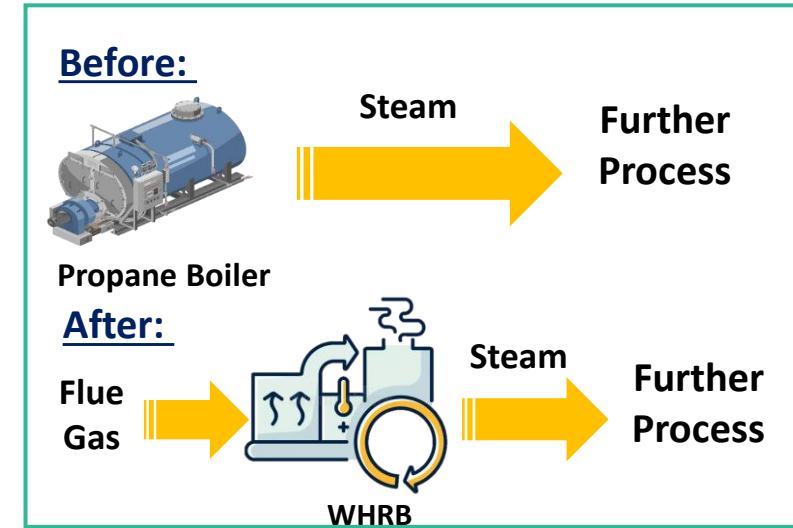
Steps Taken

- Waste heat recovery boiler is installed to recover heat from waste heat from off-gas of annealing to produce steam
- The steam is internally used in the process at 12 bar, 190 °C

Data collection and Results Achieved

Particular	UoM	HAPL_WHRB	CAPL_WHRB	COMBO_WHRB
Capacity	MVA	0.95 MTPA	0.45 MTPA	0.95 MPTA
Steam Gen. Capacity	TPH	5.4	3.3	8.8
Steam Generation	Tonne	12998	3986	6358
Avoided LPG consumption	Tonne	749	230	366
GHG emissions Reduction	TCO2e	4022 TCO2e (EF of LPG 2.99 TCO2e/T)		
Tangible Benefits due to Avoided LPG consumption	INR Cr	6.2 Cr (Average LPG Cost is 60k/Ton)		

* Calculation is based on FY 23-24 data



Other Benefits (Intangible)

- Reducing the energy requirements by effectively utilizing the heat of waste gases
- Conservation of fuels and natural resources

Return on Investment

- Return on investment in = 0.75 years



Utilization of Renewable Energy Sources(Onsite)

Onsite					
Year	Source (Solar, wind, etc.,)	Installed capacity (in MW)	Capacity addition (MW) after FY 2021	Total Generation (MWh)	Share % w.r.t to overall energy consumption
FY 2021-22	-	-	-	-	-
FY 2022-23	Floating Solar	7.3	7.3	751.93	0.04%
FY 2023-24	Floating Solar	7.3	-	6155.85	0.29%
FY 2023-24	Rooftop Solar (23 MW)	13	13 (Commissioned during FY 23-24)	17082	0.79%

Installation of Floating and Rooftop Solar Plant

- Odisha’s first floating Solar Plant – Installed on water reservoir
- Rooftop Solar over 10 shades on shop floor

Levers	Floating Solar Plant	Rooftop Solar Plant
Module (Mono crystalline Silicon cells)	540 Wp, 13500 modules	620/625 Mp, 38000+ modules
Lifetime	25 Years	25 Years
Water Savings	285.3 lakh m3	NA
Carbon Abatement	5676 TCO2e	17028 TCO2e

Other Benefit : (Intangible)

- Use of more green power in process
- Low maintenance and manpower cost



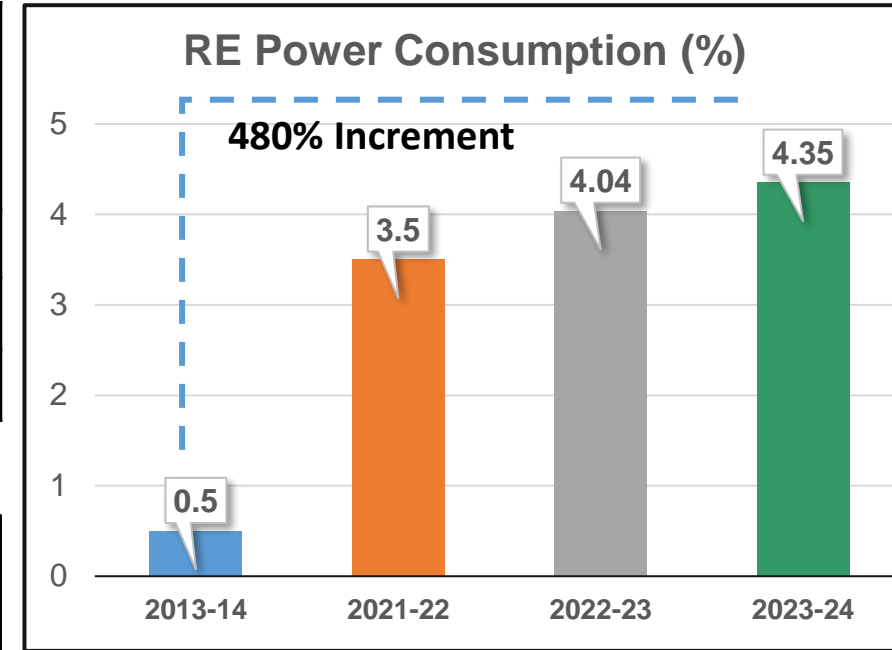
**Floating Solar
Installed Capacity: 7.3 MW**



**Rooftop Solar
Capacity: 23 MW
Installed Capacity: 13 MW**

Our Renewable Energy Portfolio

Year	Onsite-RE Generation (MWH)	RE Imported From Grid (Offsite)(MWH)	Total RE Consumption (MWH)	Share % w.r.t to overall energy consumption
FY 2021-22	0	70714	70714	3.50%
FY 2022-23	752	74475	75227	4.04%
FY 2023-24	19296	73121	92417	4.35%



RPO Obligation

- JSL is subjected to Renewable Purchase Obligation of 0.5% Solar and 2.5% Non-Solar

Way Forward Projects

- Onsite 10 MW Solar Roof Top Project by Aug'24.
- 100 MW RE RTC Project by Jan'25
- 27.5 MW RE RTC Project by March 25
- Second Trench of RE-RTC Project by Dec'25
- Green Hydrogen Plant by May 25
- Biomass Gasification Plant by June 25
- Coke Dry Quenching (CDQ) by Dec'24



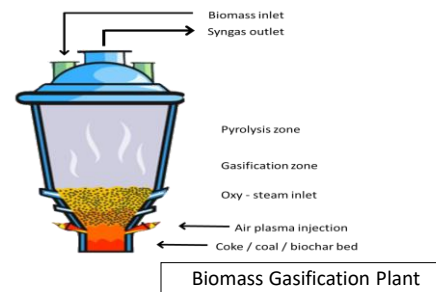
Promises not to install more thermal power Plant



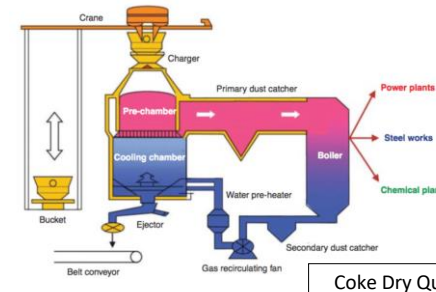
100 MW RE RTC



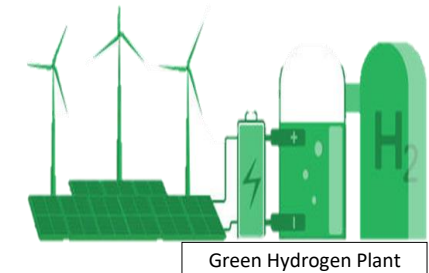
23 MW Solar Rooftop



Biomass Gasification Plant



Coke Dry Quenching



Green Hydrogen Plant

Way Forward in Renewables– 100 MW RE RTC Project

SOLAR (100 MW)	WIND (181.5 MW)
<ul style="list-style-type: none"> • Geotech survey completed • Vendor finalized for boundary wall & Site office set-up at solar site. Site set-up completed & boundary wall work is in progress. • IDT erection work completed & 12/12 Nos HT panel foundation work completed. 6 nos. HT panels & ACSB erected. • 100% piling completed. • 115.26(80.82)/140 MW MMS erection completed. • 70.49(22.82)/140 MW modules installed. • 362(261)/364 inverters installed. • DC & AC work in progress • <u>Hybrid PSS</u>: 80%(75%) civil works completed. 50% (20%) structure erection completed. 50% equip. erected. • <u>GSS</u>: 90%(35%) civil works completed. 	<ul style="list-style-type: none"> • 41(40) locations acquired out of 55 acquired. • Soil testing completed for all acquired locations. • <u>WTG</u>: 30(28)/55 foundation completed; 19/55 erection completed (Work to start in next 3 loc.) • <u>PSS</u>: 100% of civil activities completed & 99% structure & 95%(73%) equip. erection completed. • <u>33kV TL</u>: 1118(1061)/2465 poles erected & 896(883)/2434 stringing completed.
	EHV LINE
	<ul style="list-style-type: none"> • <u>13.34 km (Hybrid PSS to GSS)</u> Completed • <u>45.6 km (Wind PSS to Hybrid PSS)</u> Found: 103(96)/116 Erec.: 53(46)/116 String.: 11.62 (10.84)/45.6 km



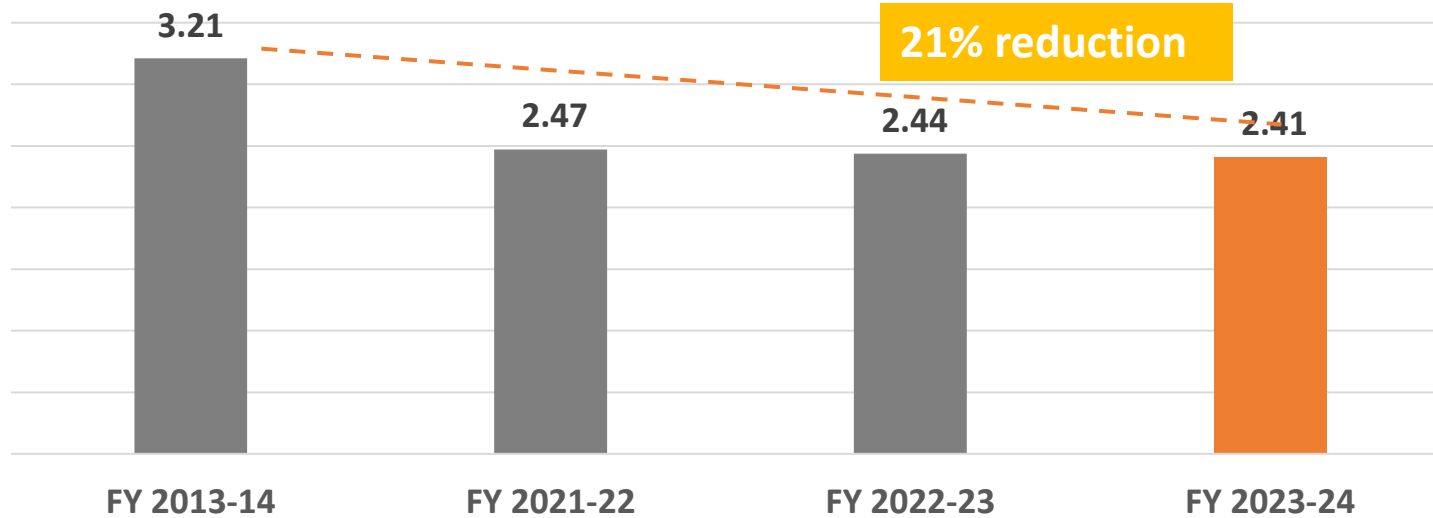
Uniqueness

- It's a hybrid project – combination of wind and solar
- Minimum of **70%** CUF is guaranteed
- RE power will be available during night time also

* Status as per the 30th July, 2024 Review meeting

Parameters	Unit	FY 2021-22	FY 2022-23	FY 2023-24
Scope 1 Emission	TCO ₂ e/TCS ¹	2.40	2.29	2.26
Scope 2 Emission	TCO ₂ e/TCS	0.08	0.14	0.15
Scope 3 Emission	TCO ₂ e/TCS	1.81	1.75	1.65

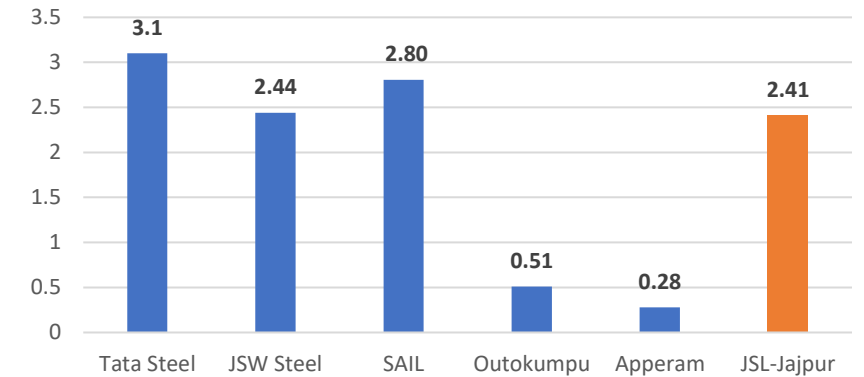
Scope 1 & 2 Intensity (TCO₂e/TCS)



¹TCS- Tonnes of Crude Steel

GHG Profile of Peers

Scope 1+Scope 2 Intensity (Tco2e/TCS)



Note:

- Emission Intensity combining Scope 1 & 2.
- Intensity of JSL can be assessed from publicly available [BRSR Report](#), Pg 33.
- Peer intensity has been considered based on latest available public reports.

Our Climate Goals

- **Short-term: 50%** Reduction in emission intensity by FY 2035 compared to FY 2021-22 levels.
- **Long-term: Net Zero** emission by 2050.

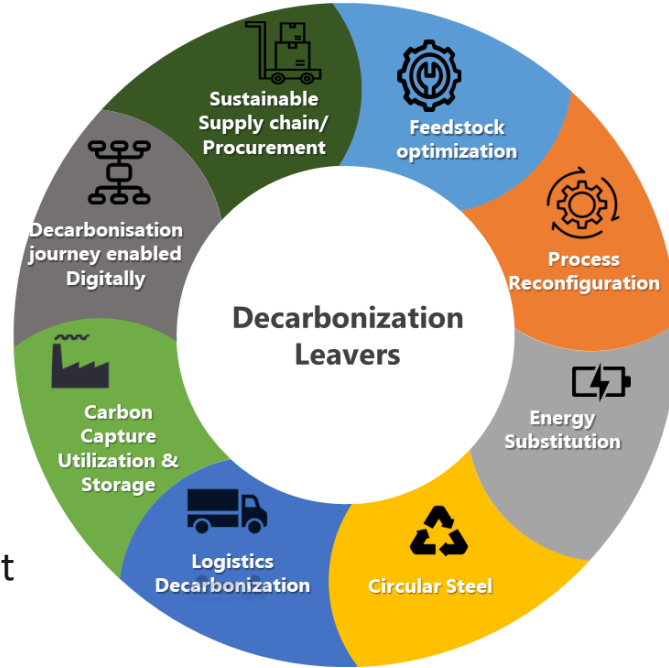


JSL has committed to Science Based Target Initiative (SBTi) for Near term and net zero targets

SBTi Alignment



- Key Decarbonization levers identified.
- Reduce 50% emission by 2035 and reach Net Zero by 2050



Green Hydrogen Plant

- To replace electrically operated ammonia crackers to generate a 75% H₂ + 25% N₂ mixture
- Use In –House RE power to generate green hydrogen



Parameter	Quantity
Average Hydrogen Flow (Nm ³ /hr)	1000
Carbon abatement Potential (TCO ₂ e)	19000

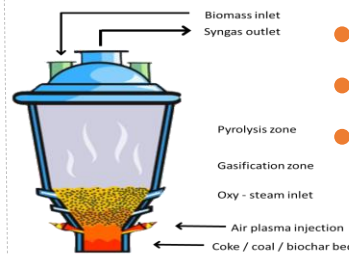
Electric Vehicle

- Four Electric Vehicles acquired.
- Electric Fleet for employee commute.
- Electric forklifts for material movement
- Use of In – house RE power to for charging of EVs



Biomass Gasification Plant

Syngas generated using biomass gasification process to replace LPG and COG



- Plant Capacity : 1800 TPD
- Energy Output: 1,54,700 MCal
- COG replaced: 1,69,79,268 kg
- CO₂ abatement potential: 27800 MT CO₂e

Illustrative

RE-RTC Project



- Procurement of 100 MW RE-RTC by Oct 2024.
- Addition of 27.5 MW off site ground mounted solar project by Jan 2025.
- Another 100 MW RE-RTC to be procured by Dec 2025.

JSL's EnMs Organization Structure



JSL has been certified with ISO 50001:2018



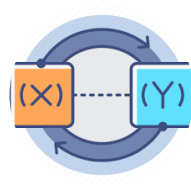
Mapping "Significant Energy Use" Areas



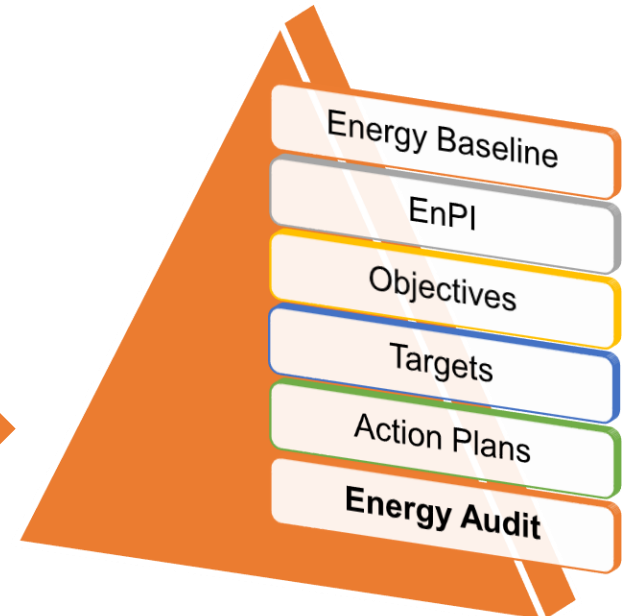
Analyse Past & Present Energy Use



Performance



Relevant Variables



- We have BEE Certified 7 Energy Auditor & 10 Energy Manager.
- Also we have trained 43 Certified Internal Energy Auditor to check the effectiveness of Energy Management System as per ISO 50001:2018.



EnMS Auditor List

Learning & implementation from CII or any other award programs

Fuel Substitution



Coke Oven Gas

LPG



H2 based Syngas

CNG

Green Hydrogen as reductant



Digitalized AI-mix machine in EAF Furnace

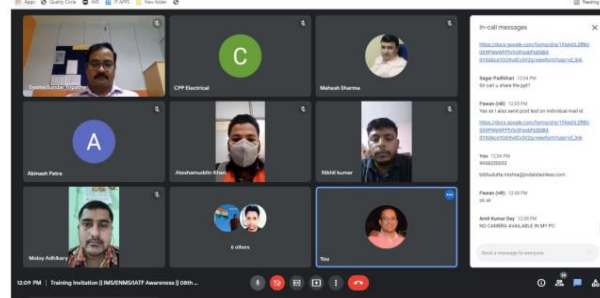
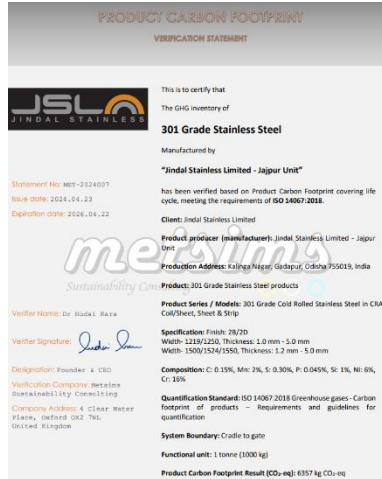


Product Carbon Footprint

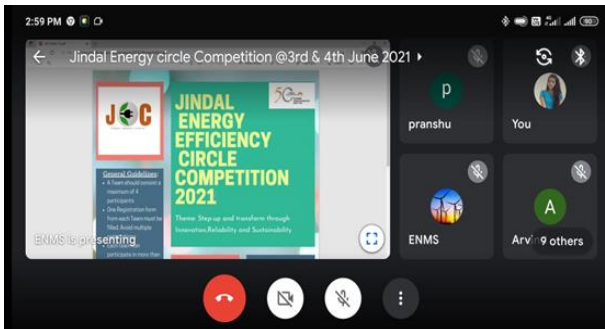


JINDAL STAINLESS LIMITED

CIN: L26922HR1980PLC010901
Corporate Office: Jindal Centre, 12, Bhikaiji Cama Place, New Delhi - 110066
Registered Office: O.P. Jindal Marg, Hisar, Haryana-125005
T: +91 11 41462000
E: info@jindalstainless.com Website: www.jindalstainless.com



ENMS Internal Auditor Training



Energy Efficiency Circle Competition

We have conducted product carbon foot printing of 6 grades

ENERGY MANAGEMENT POLICY

(Approved by the Board of Directors on May 15, 2024)



Adobe Acrobat Document

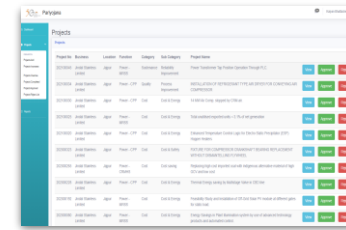
Existing Monitoring Systems



Online EnMs SCADA System



Online loading monitoring major Equipment's



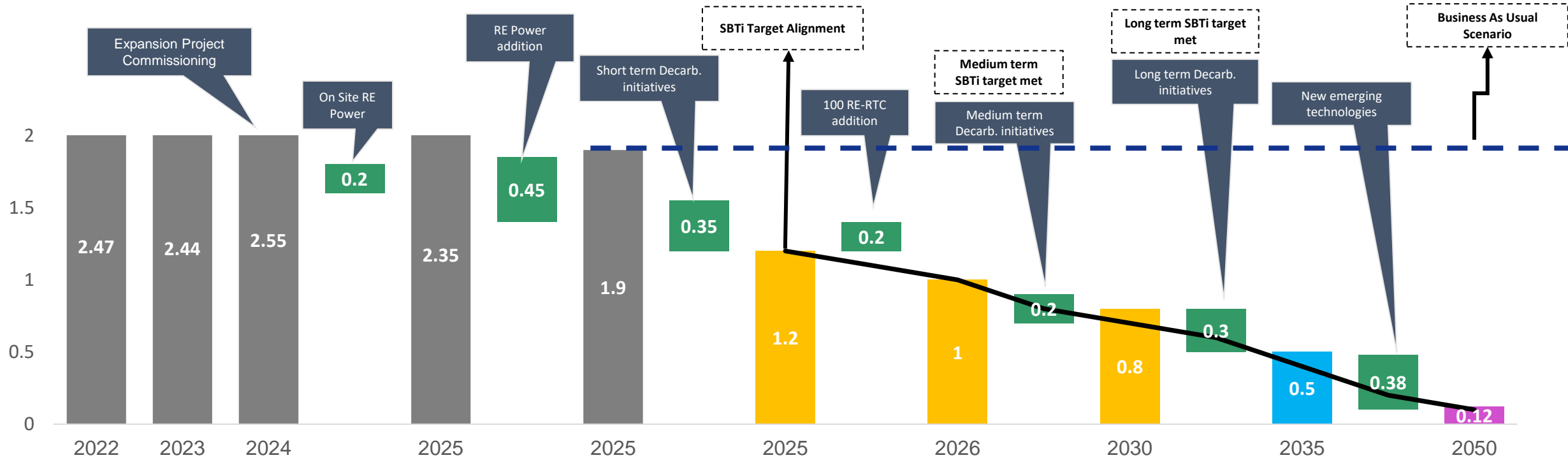
Online Project Monitoring System (PARIYOJANA PORTAL)

In House System for Real Time Fuel Cons. Monitoring



EnMS portal

Net Zero Action Plan for JSL Jajpur



Short Term De-carb Initiatives to reduce emission intensity by 35%

- Round the clock Renewable energy addition
- Feedstock Optimization
- Chrome Palletization
- Increase Hot ferro chrome transport to EAF
- Ladle Preheating with Oxyfuel Burner
- Hot charging of slabs
- Annealing Bypass
- Replacement of diesel forklifts with Electric Forklifts

Medium Term De-carb Initiatives to reduce emission intensity by 50%

- Scrap Preheating using EAF slag
- Electromagnetic bottom stirring
- Natural Gas substitution in furnaces
- Digital Twin
- Electric Bus Usage inside the plant
- Waste heat recovery for power generation
- Use of Green hydrogen in process

Long Term De-carb initiatives to achieve NET ZERO by 2050

- Bio-coal Substitution
- Warehouse fleet electrification
- Carbon capture and utilization
- Carbon Offsetting
- Logistic de-carbonization
- Energy Substitution to Hydrogen



- JSL has committed to Science Based Target Initiative (SBTi) for Near term and net zero targets

Awards, Accolades & Initiatives

1



Winner: Best Energy Efficient Organization
8th CII National Energy Circle Competition

2



Winner at CII state level QC competition-2023

3



3 Gold at the 48th International Convention on Quality Control Circle, Beijing, China 2023

4



Gold at National Awards for Manufacturing Competitiveness 2023-2024 by IRIM

5



Winner in 10 categories at 37th National Convention on Quality Concepts 2024- Nagpur

6



36 Gold awards in CCQC-2023(State level competition)

7



Winner of Quality Excellence award in 13th Edition of the World Quality Congress

13



Winner at Genentech Quality & Innovation Award 2023

12



Silver award in IGMC 2023 in May 2023.

11



'Gold Medal' in 'National Award for Manufacturing Competitiveness 2023 - 24'

10



Platinum award Winner in CII International Summit-23

9



Won Silver Award Winner in Kaizen Category in CII Kaizen summit-23

8



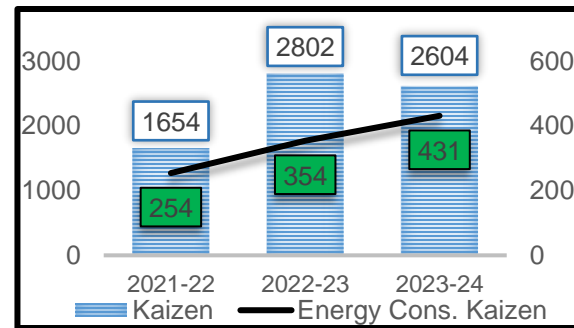
Won 5star energy warrior award in EnCON 2024 organized by QCFI

Initiatives

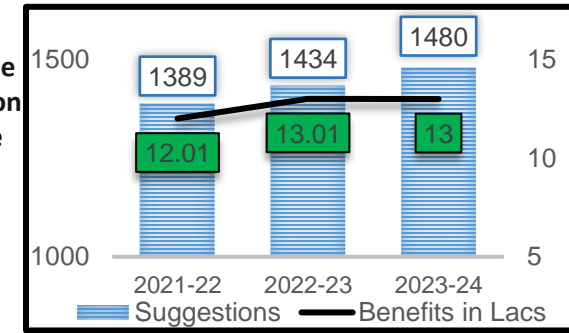


Industry 4.0

National Energy Conservation Week



Employee Suggestion Scheme



Kaizen

Suggestions Benefits in Lacs



Thank You!