

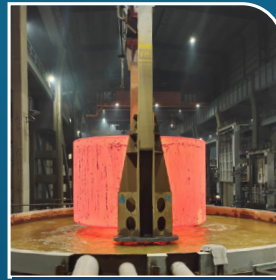
FORGING A CLEANER, GREENER TOMORROW



STEEL MELTING



FORGING



HEAT TREATMENT



MACHINING

LARGEST INTEGRATED STEEL PLANT & HEAVY FORGING UNIT IN INDIA



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VISION

Become the global source for Heavy Forgings and Special Steels by setting industry benchmarks



MISSION

Committed to follow safe, eco-friendly practices, delivering high-quality special steels and heavy forgings on time. Foster a culture of collaboration and growth, driving technical advancements through R&D. Build lasting customer relationships worldwide based on trust and excellence.

Empowering a sustainable future through ESG excellence.



RENEWABLE ENERGY



WASTE MANAGEMENT



GHG EMISSION REDUCTIONS



WATER EFFICIENCY



MATERIALS MANAGEMENT



INCREASING GREEN PORTFOLIO



IMPROVING VENDOR SUSTAINABILITY



EMPLOYEE MANAGEMENT



SAFETY & WELL-BEING



MEETING STATUTORY COMPLIANCE

ENVIRONMENT



Energy Efficient
2000tCO₂e/yr



>5500 Trees in campus



Rainwater Harvesting
30000 kL/yr



Zero water discharge
Rain-water harvesting



Recycling of scrap
within AMHEC



WATER NEUTRAL
2035

SOCIAL



Training to stakeholder



Health camp



Celebration of important events



Team outings



Stakeholders Felicitation

GOVERNANCE



Code of conduct



Whistleblower Policy



Internal & External Audits



Sahyog: Business partner meet



Robust Compliance & integrity



CARBON NEUTRAL
2040

INDUSTRIES WE CATER



NUCLEAR & STRATEGIC



PROCESS PLANT



POWER



STEEL



OIL & GAS



CEMENT



MINING & MINERALS



INGOT FOR FORGE MASTER

SERVING INDUSTRIES ACROSS VARIOUS SECTORS FOR OVER A DECADE

FACILITIES OVERVIEW

SCRAP TO FINISHED FORGING WITH
WORLD CLASS CAPABILITIES & PROCESSES



ELECTRIC ARC FRUNACE
(85-120 MT)



VACUUM INGOT CASTING
(Upto 300 MT, H₂ <1 ppm)



HYDRAULIC PRESS
(9000 MT)



RAIL BOUND MANIPULATOR
(150 MT)



REHEATING & HEAT TREATMENT FURNACE
(Upto 400 MT)



QUENCHING TANKS
(Upto 0.8 Million litres)



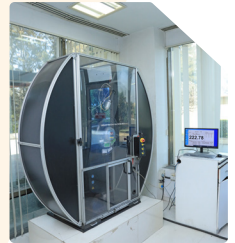
VERTICAL SHAFT FURNACE
(Shafts Upto: Ø 2000mm, Height: 16m)



VERTICAL TURNING LATHE
Weight Capacity (MT): Upto 250 MT
Max Height (mm): Upto 5400



DEEP HOLE DRILLING
Weight Upto 100 MT
Max. Drilling Depth : 15000 mm



NABL CERTIFIED LAB

CERTIFICATES



ISO 9001 : 2015



ISO 14001 : 2015



ISO 50001 : 2018



ISO 45001 : 2018



NABL CERTIFICATE



GPTW CERTIFIED

PRODUCT PORTFOLIO

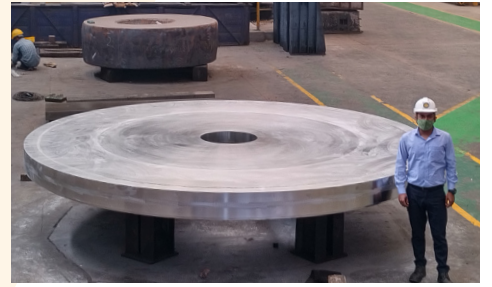
NUCLEAR



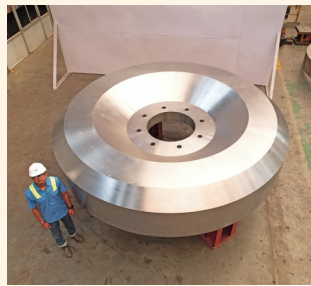
STRATEGIC SECTOR



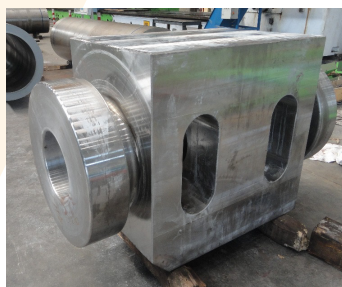
PROCESS PLANT



POWER



OIL & GAS



CEMENT, MINING & MINERALS



STEEL



CAPABILITY : **STEEL MAKING**

65+ GRADES DEVELOPED OVER A DECADE COVERING ALL TYPES OF STEEL FOR VARIOUS SECTOR.



Defence
Different Grades



Nuclear
C-Mn with Ni, Mo & Austenitic SS



Hydropower
C-Mn, Ni-Cr-Mo Martensitic SS



Thermal Power
Ni-Cr-Mo



Cement
Cr-Mo, Ni-Cr-Mo



Oil & Gas
Cr-Mo, Ni-Cr-Mo Martensitic SS



Process Plant
C-Mn Cr-Mo, Cr-Mo-V



Steel
Various Grades

TRAMP ELEMENTS

S: 0.0002 wt% Max.
P: 0.003 wt % Max

HARMFUL GASES

H: < 1 ppm
O: < 15 ppm
N: < 50 ppm

INGOT TYPES

CONVENTIONAL
HOLLOW
VIC

INGOT WEIGHT

6 MT to
213 MT

CAPABILITY: **FINISHED FORGINGS**

SHELLS	BLOCKS	TUBESHEETS	SHAFTS	PLATES	DISHED ENDS
5200 mm Outer diameter	6000 mm Maximum Length	5000 mm Outer diameter	2300 mm Outer diameter	8500 mm Maximum Length	3320 mm Outer diameter
750 mm Maximum Thickness	2500 mm Maximum Width	755 mm Maximum Thickness	8000 mm Maximum Length	2900 mm Maximum Width	120 mm Maximum Thickness
5250 mm Maximum Length	1150 mm Maximum Thickness	51 MT Maximum Finished Weight	45 MT Maximum Finished Weight	900 mm Maximum Thickness	15 MT Maximum Finished Weight
75 MT Maximum Finished Weight	45 MT Maximum Finished Weight			65 MT Maximum Finished Weight	

Dimensions given are mutually exclusive

CUSTOMER GALAXY



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National Energy Conservation Award

2015 & 2017



National Technology Award

2020



National Sustainability Award

2021-2022



National Safety Award

2020



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