



 **METROPOLITAN**TM
EQUIPMENTS & CONSULTANTS PVT. LTD.

AN ISO 9001:2015 CERTIFIED COMPANY

Manufacturer & Supplier of Steel Plant Equipment , Operation & Maintenance Service Provider

METROPOLITAN EQUIPMENTS & CONSULTANTS Pvt.Ltd

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**In the pages below you can know
more about us.....**

□ Introduction

We wish to introduce ourselves as a leading Mechanical and Electrical Engineering company with 40 years of existence having good facilities for manufacturing & erection of Equipment for Steel Plant.

We manufacture and supply equipment for steel plants especially for the steel melt shop like ladles, charging buckets, lifting bails, transfer cars , furnace bottom, furnace top shell, furnace roof, complete fume extraction system, water cooled panels/elements for EAF, LF roofs, LD converter hoods, skirts , upper stacks and associate equipment's. We also manufacture other equipment's of plate fabrication which comprises machining and/or forging. Please find enclosed some of the photographs of equipment's we manufactured/supplied, for your ready reference.

We have a team of designers & draftsmen to develop drawings of equipment wherein drawings are not available. We also do reengineering & reverse engineering for our clients.

□

We work with user to provide solutions in pain areas. We also take the responsibility to ensure the reengineered equipment gives the desired results. This differentiator has won us many customers who have continued to work with us for last two decades.

We bring in the best manufacturing practices at our plant & we are approved by consultants like MECON, M.N.Dastur, third party inspection agencies like BVIS, TUV and LRIS

Metropolitan has a dedicated wing for project related activities with expertise in equipment erection, maintenance of equipment within the plant & shut down activities. Please find attached photographs of some of the major projects handled by us.

Metropolitan is one of the pioneer solution providers for Operations and Maintenance (O&M) service in India. Apart from O&M services to different multibillion steel conglomerates, Metropolitan is also engaged in skilled manpower outsourcing.



Metropolitan has a purpose to be in business & guided by its Values

❑ **CORE PURPOSE**

Build an organization that uplifts each & every individual associated with it.

❑ **CORE VALUES**

Self-Improvement

Committed to Growth

Find below the list of equipment supplied with client list & photographs.



Electric Arc Furnace - Major items

- Complete bottom shell and top shell with roof
- Water cooled tubular shell panel
- Water cooled tubular roof panels
- Delta ring- tubular
- Fume extraction roof elbow
- Feeding chute
- EBT mechanism
- Water cooled maintenance platform for furnace repair
- Complete electrode arm
- Carbon injector system



Ladle Refine Furnace

- LRF water cooled roof
- Water cooled Delta
- Water cooled alloy feeding chute and bins
- Electrode Holding Arm



Material handling system for EAF and LRF-Major items

- DRI and sponge iron feeding system
- Ferro alloy feeding system for LRF
- Ferro alloy feeding system for VD/VOD



VD/ VOD Units

- VD Vessel
- Vessel cover
- VD Car
- Ejectors



Fume Extraction System

- Fume hood for LD converter
- Stack for LD converter
- Water cooled skirt assembly
- Roof elbow
- Moving sleeve
- Combustion chamber
- Water cooled duct



Auxiliary Equipment

- Ladles
- Chutes, Buckets, Containers
- Stopper Rod Mechanism
- Launder
- Crane Hook, Lifting Bails,
- Inner cover for bell annealing furnace



Transfer Cars

Operation Electric, Diesel Generator & Battery

- Hot Metal Transfer Car
- Slag Pot Transfer Car
- Billet ,Slab, Bloom Transfer Car
- Coil Transfer Car
- Scrap Transfer Car
- **Car with for specialised applications can be designed**



OUR POTENTIAL

- ❖ Engineering, re-engineering and services.
- ❖ Detailed engineering, on site engineering services
- ❖ Project execution ,erection,supervision & commissioning.
- ❖ Equipment manufacturing & assembly.
- ❖ Operation and maintenance contract, man management services.

ADDITIVE CONTAINER



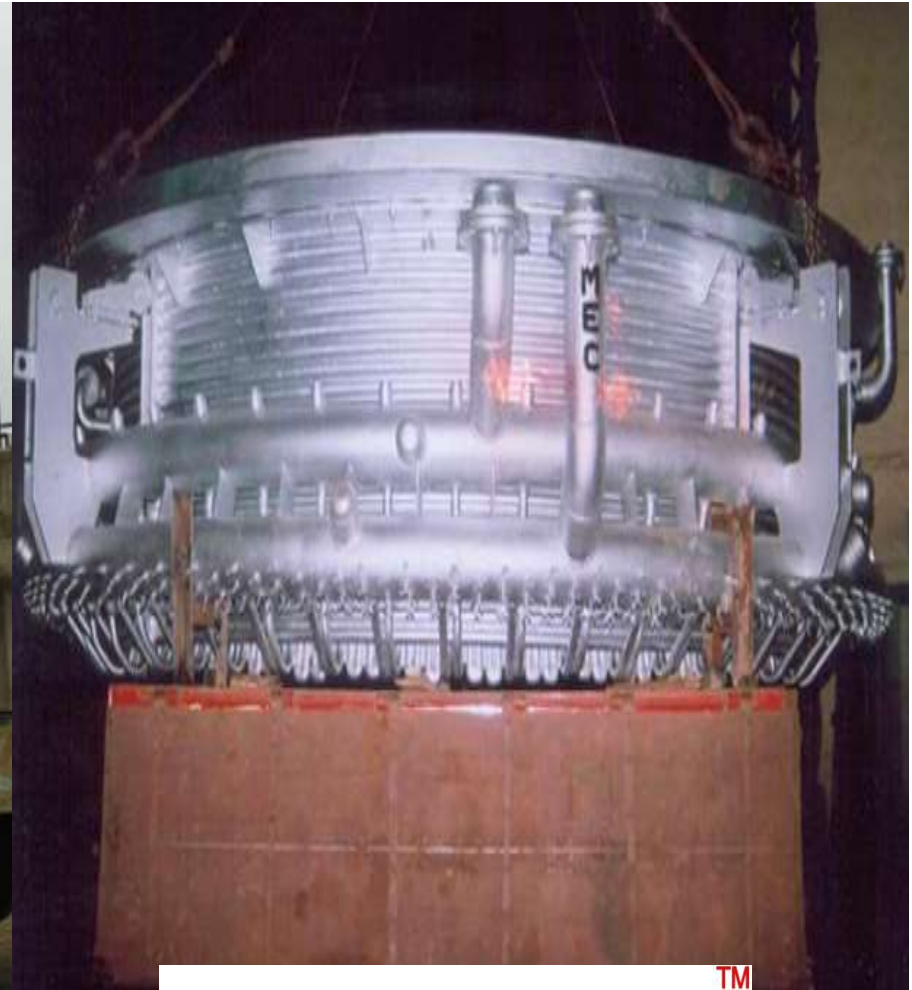
PLATE CHUTE FOR SINTER



MOVABLE FUME HOOD



WATER COOLED SKIRT



**DG OPERATED TRANSFER CAR –
50 TON CARRYING CAPACITY**



80 TON BILLET TRANSFER CAR



SUCTION DUCT



WATER COOLED BEAM



LADLE & TUNDISH



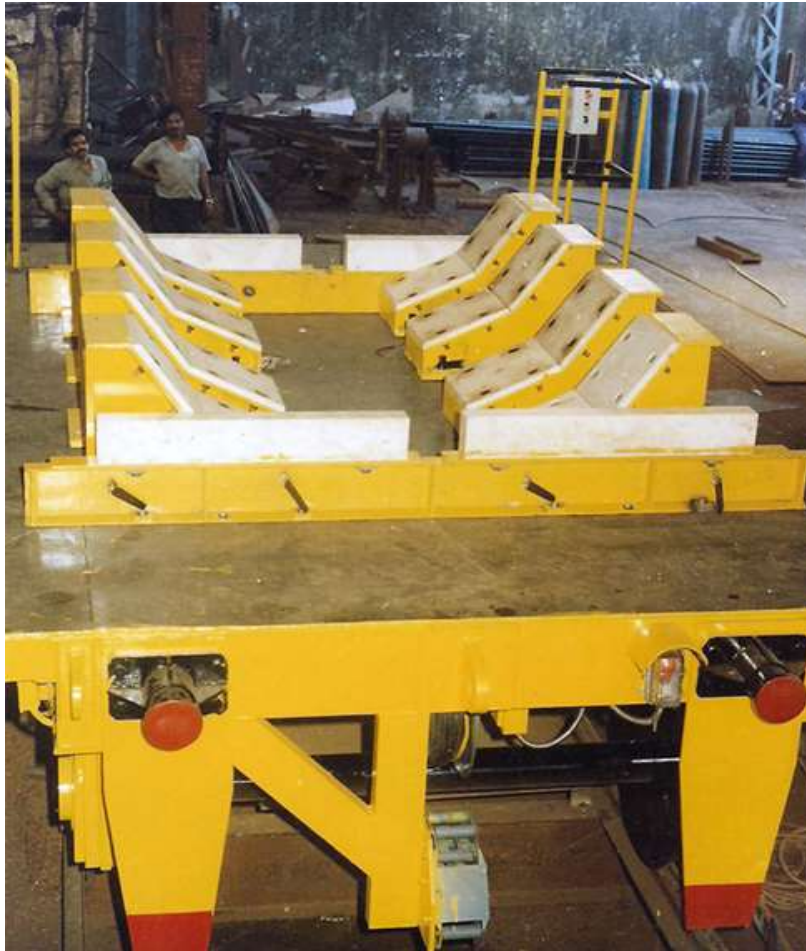
**SPH LOWER PIECE-
WATER COOLED
PANEL FOR EOF**



**SCRAP CHARGING
BUCKET**



60 TON COIL TRANSFER CAR



TRANSFER CAR WITH TILTING ARRANGEMENT



COOLING BED ARM



LADLE ROOF COVER



40 TON CONVERTER BOTTOM DISH



55 TON WATER COOLED EAF ROOF & TOP SHELL



OPERATION & MAINTENANCE OF ROLLING MILL



RADIATION HOOD



VIBRATORY FEEDER



**45 TON EAF ROOF , TOP SHELL &
BOTTOM SHELL ASSY.**



150 TON MOVABLE ELBOW



COPPER PANEL



FLUX THIMBLE



COPPER PANEL



**MODIFIED LADLE TILTING
ARRANGEMENT**



LIST OF MAJOR CUSTOMERS



JSW Steel Ltd.



Mahindra UGINE Steel Company Limited



Viraj Profiles Limited



A Navratna Company

राष्ट्रीय इस्पात निगम लिमिटेड
Rashtriya Ispat Nigam Limited

