

SINO GLOBAL

“Partner for Metallurgical & Non-Metallurgical Industries towards Global competitiveness”



About US

Customer Focused Premier Manufacturer & Supplier of

- Engineered Refractory Lining Systems
- Machineries & Equipment's
- Mineral & Metal

SGSSL has the expertise to design, install & maintain a customized solution to improve your productivity, creating value & lowering the over all cost to enhance your competitiveness in the global marketplace.



About US

SGSSL

Refractory Division

Mineral & Metal Division

**New Business Development
Division**

- Over 25 years operational experience in China
- Penchant for more viable sources
- Own manufacturing facilities for selected items.
- Brand Promise
 - Total Cost of Ownership (TCO)
- Inclusive growth



Contents

Our Approach

Practice Units

Our organization comprises of Specialized Practice Units that work in close coherence to provide comprehensive, cutting edge solutions at your doorstep. These functional units focus on each one of the countless elementary issues which you will encounter in the course of supply. The units have been grouped with an aim to deliver maximum productivity and efficiency to your sourcing exercise.

Sourcing Management Practice Unit

Sourcing as a process is a highly specialized work practice at SGSSL. We source our product from a host of diverse and extensive resources. Our sourcing activities are further divided into technology and industry specific groups.

Refractory Division



- Our Refractory Division is prime in:**
 - Providing expert material selection for all type of application
 - Resourcing with skilled refractory technicians & engineers to ensure highest quality outcomes.
- Total Solution Provider**
 - Complete range
 - Cost and Quality
 - Engineering design
 - Installation Assistance

Our Strengths

- Comprehensive Range of high quality premium grade refractory material at competitive price.
- Extensive experience of China Refractory Market
- Excellent understanding of Chinese Refractory Manufacturer
- Access of lowest cost refractory without compromise to highest quality
- Quality consistency

Esteemed Customer

- ArceelorMittal Temirtau, Kazakhstan
- ArceelorMittal Kriviy Rih, Ukraine
- ArceelorMittal Annaba, Algeria
- ArceelorMittal Galati, Romania
- ArceelorMittal Hunedoara, Romania
- ArceelorMittal Lazaro Cardenas,
- ALTOS Hornos De Mexico (AHMSA)
- Algoma Steel Inc., Ontario, Canada
- ArceelorMittal USA
- Bhushan Power & Steel
- Egyptian Iron & Steel Co.,Ltd
- Hukund Limited
- Sun-Flag Iron and Steel Co.



- ❖ Our Approach
- ❖ Refractories Division
- ❖ Mineral & Metal
- ❖ Our Strengths
- ❖ Esteemed Customers



Our Approach

Practice Units

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Our Approach

Knowledge Management Unit



Our Knowledge Management Unit is responsible for activities such as information acquisition and sharing, identifying the training needs of our employees, designing and conducting training programs to help our workforce stay *au courant* with the most recent trends in the industry. This unit keeps track of latest developments in the fields of technology and sourcing.

Delivery Management Unit



Our Delivery Management unit closely coordinates with our Sourcing Unit, vis-à-vis customer requirements and deadlines. The unit is instrumental in the prompt delivery, and upholds the quality and accuracy of our assignments by regularly interacting with the customers, securing feedbacks, and acting upon the inputs from our customers.



Our Approach

Relationship Management Unit



We maintain close relationships with our customers and our manufacturing unit throughout all phases of our assignments. Our Relationship Management Practice unit maintains close contacts with our customers through regular discussions and customers satisfaction surveys. We value the feedback and performance evaluations from our customers to continually enhance our service processes.

Channel Partners

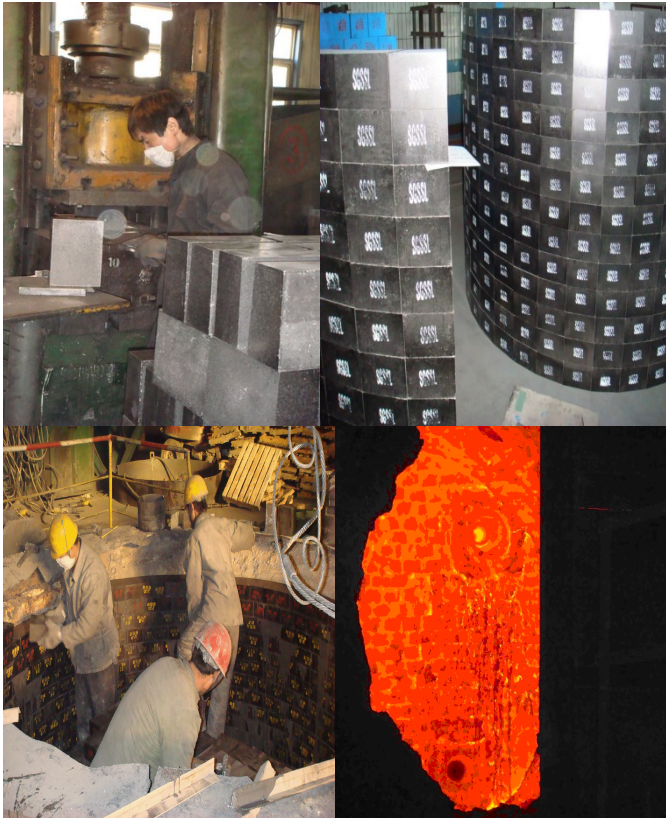


To deliver an entire gamut of Supply Services, we have built a network of partners across the global manufacturing hub China. Leveraging our strong network of partner relationships, we source the best product & service and provide our customer with unparalleled quality and one stop solution to meet all their Refractory & Non-Refractory needs



SGSSL China

Refractory Division

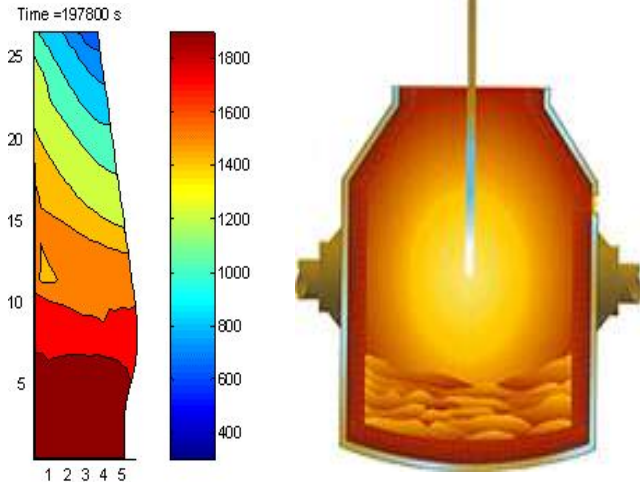


- **Our Refractory Division is prime in:**
 - ❖ Providing expert material selection for all type of application
 - ❖ Resourcing with skilled refractory technicians & engineers to ensure highest quality outcomes.
- **Total Solution Provider**
 - ❖ Complete range
 - Cost and Quality
 - ❖ Engineering design
 - ❖ Installation Assistance

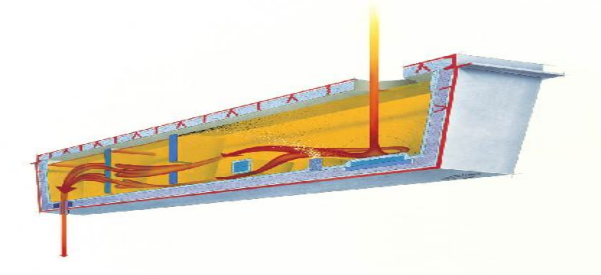


Refractory Division

Refractory Engineering



- ❖ Strategic Alliance with Refractory Engineering Companies for High-End needs.
- ❖ Design Management
- ❖ Manufacturing & Procurement Management
- ❖ Typical Project for:
 - Coke Oven
 - Hot Blast Stove
 - Blast Furnace



Refractory Division



SGSSL's Scope of Supply

- ❖ Coke Oven Refractory
- ❖ Hot Blast Refractory
- ❖ Blast Furnace Refractory
- ❖ Torpedo Car/Hot Metal Refractory
- ❖ Hot Metal Mixture Refractory
- ❖ Basic Oxygen Furnace Refractory
- ❖ Electric Arc Furnace Refractory
- ❖ Secondary Metallurgy Refractory
- ❖ Continuous Casting Refractory



Refractory Division



Coke Oven Refractory

Oven top	Fireclay / High Alumina
	Silica bricks
Carbonization chamber	Silica bricks
Combustion chamber	Silica bricks
Regenerator wall (upper part)	Silica bricks
Regenerator wall (lower part)	Fireclay
Oven sole	Silica / Fireclay
Oven Flue	Fire Clay & Silica
Oven Doors	Fireclay bricks or Castables/ Silica (vitrified coating)
Risers (ascension pipes)	Silica bricks(normal & vitrified coating)
Semi-silica bricks	Back up lining
Misc.	Jointing mortars
	Gunning materials for repair
	Flame gunning



Refractory Division

Hot Blast Stove Refractory



Dome	High Alumina / Silica bricks
Partition walls	High Alumina / Silica bricks
Checker brickwork	High Alumina / Silica bricks
Misc	Gunning material, Castable, Mortar, Zircon Fibre



Pre-combined tuyere brick



Pre-combined dome brick

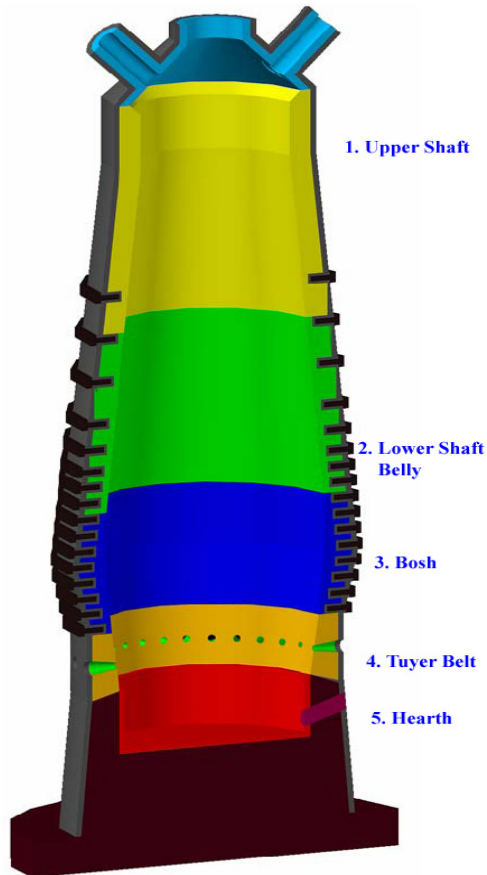


Pre-combined checker brick



Refractory Division

Blast Furnace Refractory

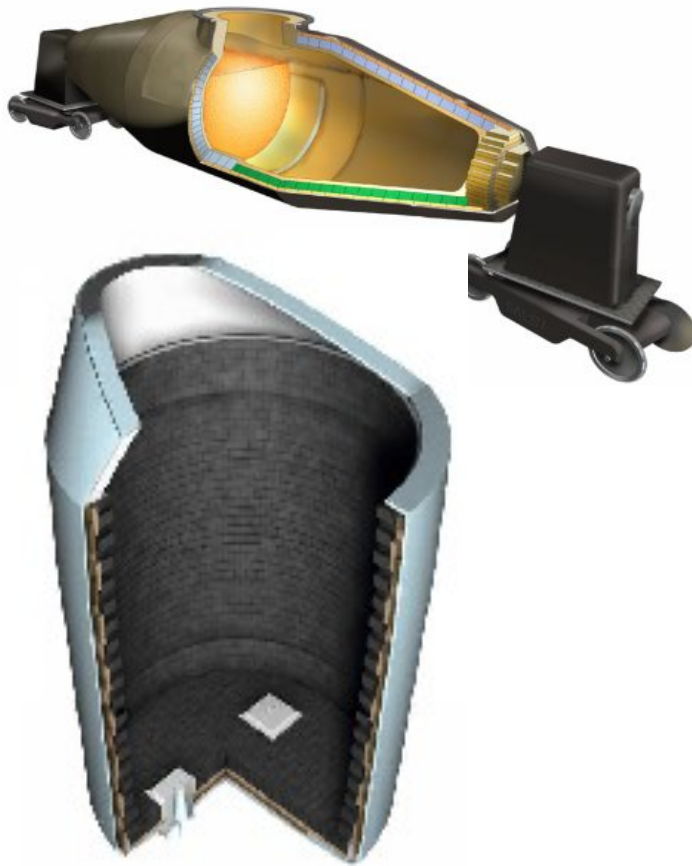


Stack	Fireclay, High alumina, SiC, Si₃N₄-SiC
Belly	SiC, Si₃N₄-SiC, Carbon
Bosh	Si₃N₄ bonded & SIALON Bonded SiC
Tap hole	Tap Hole clays (Resin bonded & pitch bonded), Al₂O₃-SiC-C bricks, Al₂O₃-SiC-Si₃N₄-C based bricks
Hearth	Carbon blocks (Moulded, Extruded-alumina doped, Silicon doped), High alumina combinations
Tuyere	SIALON bonded SiC bricks and blocks
	Cast Copper tuyeres
Trough	Al₂O₃-SiC-C (ASC) castables



Refractory Division

Torpedo Car/Hot Metal Refractory



Mouth	Castables
Metal Line	ASC bricks (normal and Alumina enriched-ALON + Beta Alumina doped)
Ceiling	ASC bricks (normal and Alumina enriched-ALON + Beta Alumina doped)
Impact Zone	ASC bricks (normal and Alumina enriched-ALON + Beta Alumina doped)
Wear Lining Mortar	Alumina Based
Safety Lining	Fireclay Bricks
Safety Lining Mortar	Fireclay based
Misc.	Gunning materials
	Insulation materials
	Mortar



Refractory Division

Basic Oxygen Furnace Refractory

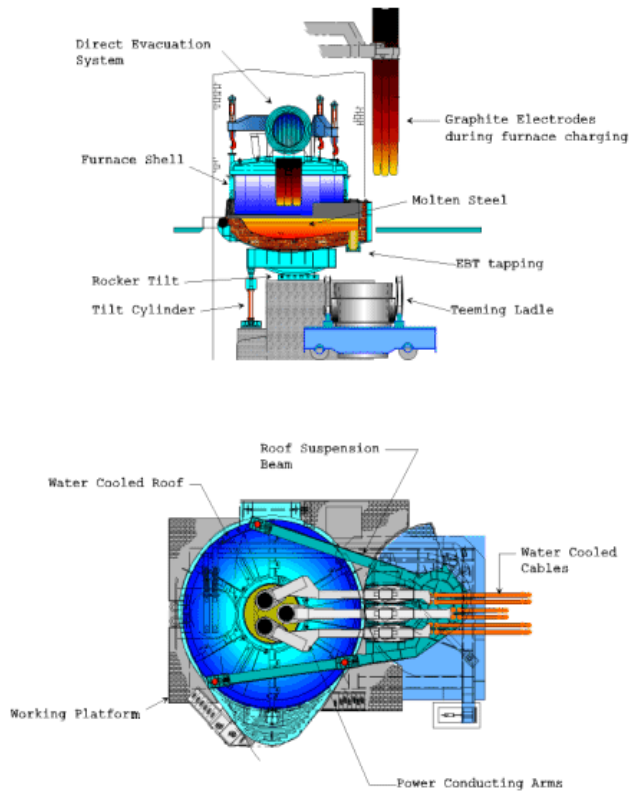


- ❖ Capability – 2000 MT/month
- ❖ Have capability to manufacture bricks length up to 1.2 meter.
- ❖ SGSSL offers techno-efficient system solutions and comprehensive range of services for Basic Oxygen Furnace Refractories.
- ❖ We offer a complete customized range of shaped, unshaped and pre-cast refractories for all kinds of Basic Oxygen Furnaces in practice – Top Blown, Bottom Blown and Combined Blown types.



Refractory Division

Electric Arc Furnace Refractory

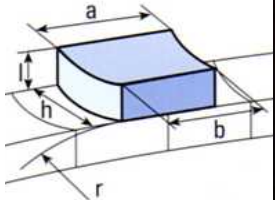
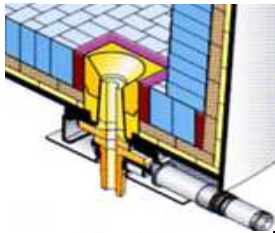
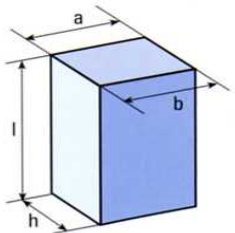
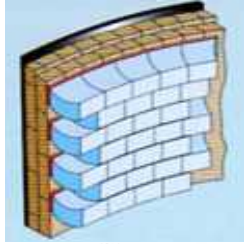


- ❖ SGSSL offers techno-efficient system solutions and comprehensive range of services for EAF.
- ❖ We offer a complete customized range of shaped, unshaped and pre-cast refractories for all kinds of arc furnaces in practices – HP, UHP, DC, Launder Type, EBT Tapping etc.
- ❖ Our experts work closely with our clients to study their operating conditions and recommend superior techno-economic solutions (Material Selection, Design, Installation, Maintenance, Post-mortem Analysis) to increase the productivity besides optimizing operational processes.



Refractory Division

Ladle Furnace Refractory



- ❖ Resin bonded magnesia carbon
- ❖ Resin bonded alumina-magnesia- carbon refractory
- ❖ Magnesia-dolomite-carbon bricks
- ❖ Castables for ladles & LF
- ❖ LF roof castable
- ❖ Backfilling mixes
- ❖ Ladle nozzle filling compound
- ❖ Ladle casting powder



Refractory Division

RH Degasser Refractory



SGSSL & Ampl offers a complete range of high quality zone based refractory solutions for RH Degassing vessels.

We are capable of meeting all requirements for complex vessel geometries.

SGSSL precision products with high performance-price ratio for-

- ❖ Snorkels lining
- ❖ Leg
- ❖ Bottom
- ❖ Lower Vessel
- ❖ Intermediate Ring
- ❖ Upper Vessel
- ❖ Alloy Chute Region
- ❖ Heating Port
- ❖ Gas Duct
- ❖ Permanent / Safety Lining
- ❖ Snorkel Castables
- ❖ Ramming Mixes
- ❖ Casting Mixes
- ❖ Mortars
- ❖ Gunning Mixes

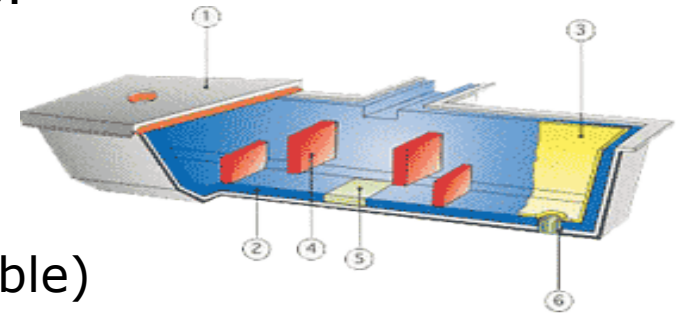


Refractory Division

Tundish Refractory

Our range of Tundish Refractories includes:

- ❖ Tundish Stoppers
- ❖ Castable lining for Cover
- ❖ Back up Lining (Castables & Brick)
- ❖ Working Lining-(Spraying & Dry Vibratable)
- ❖ Tundish Cover Powders
- ❖ Dams, Baffles & Weirs , Impact Pads
- ❖ Tundish Submerged Entry Nozzles & Submerged Entry Shrouds
- ❖ Tundish Well Block
- ❖ Tundish Slide Gate Plates
- ❖ Tundish Mono Tubes (Ceramic Starter Tubes) and Mono Nozzles (Tundish Nozzles)
- ❖ Insulating Boards



Refractory Division

Product Range @ a Glance

Coke Oven

- ❖ Silica Bricks
- ❖ Mullite, Mullite-silicon Carbide
- ❖ Bricks for Dry Quenching
- ❖ Fire Clay Bricks

Hot Blast Stove

- ❖ Silimanite-Mullite & Andalusite –Mullite Bricks
- ❖ Low Creep High Alumina Bricks
- ❖ Low Creep Firclay Bricks

BLAST FURNACE

- ❖ Sialon Bonded Sillimanite Bricks
- ❖ Sialon Bonded Corundum Bricks
- ❖ Fired Micro-hole Alumina-Carbon Bricks
- ❖ Corundum-Mullite Bricks
- ❖ Dense Alumino-Silicates – 40 to 95% Alumina
- ❖ Bricks - Silicon Carbide – Sialon, Nitride & Silicate Bonded
- ❖ BF cast house refractory - Tap Hole Clay, Trough Mix



Refractory Division

Product Range @ a Glance

Hot Metal Ladle

- ❖ Alumina Silicon carbide carbon series

Basic Oxygen Furnace

- ❖ Magnesia Carbon Refractory - Zone wise Lining Concept & capable to supply up to 1.2 meter bricks
- ❖ TAP Hole Sleeves, Tap Hole Block - Supply in loose as well as assembled
- ❖ All kind of Monolithics.
- ❖ Slag Conditioner

AOD Furnace

- ❖ Magnesia Carbon Bricks
- ❖ Mag-Chrome Bricks
- ❖ Dolomite Bricks
- ❖ All type of Monolithics



Refractory Division

Product Range @ a Glance

Electric Arc FURNACE

- ❖ Magnesia Carbon Bricks - Hot Spot, Slag Line, Cold Spot
- ❖ EBT TAP Assembly - Inner Sleeve, Outer block, end block
- ❖ Ramming Mass

Ladle Furnace

- ❖ Magnesia Carbon Bricks- Slag Zone, Metal Zone, Bottom, Free board.
- ❖ Alumina-Magnesia-Carbon Bricks - Metal Zone, Bottom, Impact Pad.
- ❖ All kind of monolithics.

Continuous Casting Refractory

- ❖ Slide Plate
- ❖ Collector Nozzle
- ❖ Inner Nozzle
- ❖ Purging Plug
- ❖ Ladle Shrouds
- ❖ Mono Block Stoppers
- ❖ Dams, Baffles & Weirs, Impact Pads
- ❖ Submerged Entry Shrouds
- ❖ Tundish Submerged Entry Nozzle
- ❖ Tundish Well Block



Refractory Division

Achievements



Achieved 192 Heats with MGO-C Bricks at Rourkela steel plant in Sept 2019

Ladle Bottom –AMC bricks has been successfully replaced by SGSSL’s special MCB bricks at Arcelor Mittal Steel(Tamirtau)

Supplied 1200 MT /Month MCB to Arcelor Mittal Temirtau 2008-2009

Successful Vendor for 180T Conarc Furnace/STEEL LADLE and Ladle Bricks in Bhushan Steel Ltd, Odisha India

Successful vendor for Complete RH-Deg management in SAIL –Bhilai Steel Plant ,India



Mineral & Metal Division

Ferro-Alloys

As part of the steel production process, ferro alloys are added to the usual mix of raw materials to alter the chemistry as required for certain end uses. Ferro alloy trading is very much a function of specific mill demands depending on their finished product mix.

Ferro Molybdenum
Manganese Metal
Ferro Chrome
Ferro Silicon
Ferro Vanadium
Ferro Tungsten
Ferro Phosphorus
Silicon Barium



Molybdenum Oxide
Chrome Metal
Ferro Manganese
Ferro Titanium
Ferro Boron
Ferro Niobium
Silicon Calcium
Silicon Manganese



Mineral & Metal Division

Fluorspar

Fluorite (fluorspar): Used in production of hydrofluoric acid, which is used in the electroplating, stainless steel, refrigerant, and plastics industries, in production of aluminum fluoride, which is used in aluminum smelting, as a flux in ceramics and glass, in steel furnaces, and in emery wheels, optics, and welding rods.



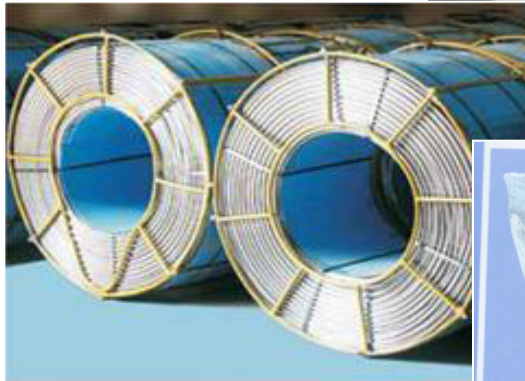
Type:
Lumps
Powder
Ball



Mineral & Metal Division

Aluminum

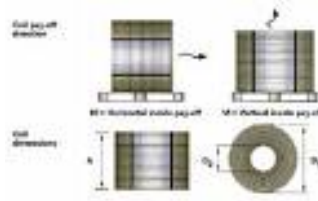
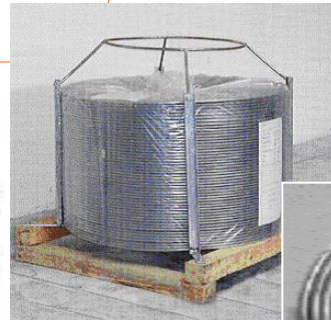
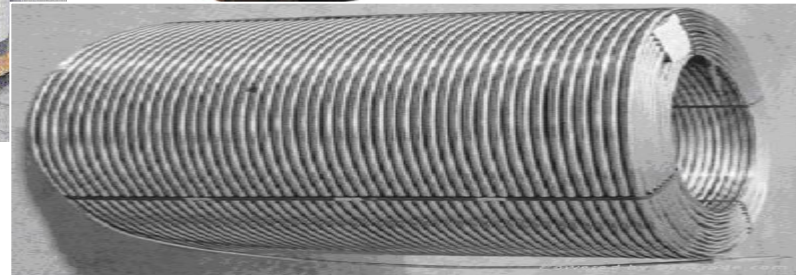
- Aluminum Foils
- Wire (9.5-16mm)
- Cones & Shots
- Al Ingot



Mineral & Metal Division

Cored Wire

- **Ca-Fe**
- **Ca-Si**
- **Ca-Fe-Al**
- **C, B, S**
- **Fe-Mn**
- **Tailor Made**



Mineral & Metal Division

Coal & Coke

- ❖ Raw Petroleum Coke
- ❖ Calcined Petroleum coke
- ❖ Metallurgical Coke
- ❖ Amorphous Graphite
- ❖ Natural Graphite



COKING COAL



LIGNITE (BROWN COAL)



ANTHRACITE



LEAN COAL



Mineral & Metal Division

Chemicals

- **Caustic Soda Flakes 96-99% (NaOH)**
- **Ammonium Sulphate (NH₄)₂SO₄**
- **Sodium Chloride (NaCl)**
- **Potassium Carbonate (K₂CO₃)**
- **Potassium Nitrite (KNO₂)**
- **Phosphoric Acid (H₃PO₄)**
- **Dimethyl Carbonate (C₃H₆O₃)**
- **Propylene glycol (C₃H₈O₂)**



Mineral & Metal Division

Tires



LOADERS



DOZERS



GRADERS



Our Strengths

- ❖ **Comprehensive Range of high quality premium grade refractory material at competitive price .**
- ❖ **Extensive experience of China Refractory Market**
- ❖ **Excellent understanding of Chinese Refractory Manufacturer**
- ❖ **Access of lowest cost refractory without compromise to highest quality**
- ❖ **Quality consistency**



Esteemed Customer

- ❖ ALGOMA STEEL INC, ONTARIA, CANADA
- ❖ ALTOS HORNOS DE. MEXICO(AHMSA)
- ❖ ACINOX COMMERCIAL S.A . CUBA
- ❖ AFRICAN COMMODITIES DMCC, UAE
- ❖ BHILAI STEEL PLANT,SAIL INDIA
- ❖ BHUSHAN POWER & STEEL LIMITED , INDIA
- ❖ CIDER ALGERIA
- ❖ DURGAPUR STEEL PLANT,SAIL INDIA
- ❖ EGYPTIAN IRON & STEEL CO. LTD
- ❖ EGYPTIAN COPPER LTD , EGYPT.
- ❖ FIELD FURNACE REFRACTORY ,AUSTRALIA
- ❖ GEO STEEL ,GEORGIA
- ❖ IISCO ,BURNPUR,SAIL -INDIA



Esteemed Customer

- ❖ JINDAL STAINLESS LTD ,INDIA
- ❖ JINDAL STEEL & POWER LTD,RAIGARH .
- ❖ JINDAL STEEL & POWER LTD,ANGUL .
- ❖ JSW , INDIA
- ❖ L & T , GUJRAT, INDIA
- ❖ MUKUND LIMITED,INDIA
- ❖ NALWA STEEL & POWER LTD. INDIA
- ❖ NALWA STEEL & POWER LTD , INDIA
- ❖ SYDNEY FIRE BRICKS LTD,AUSTRALIA
- ❖ SUN-FLAG IRON AND STEEL CO
- ❖ TATA BSL LTD ,INDIA
- ❖ UTTAM GALWA METALICS LTD,INDIA



Credentials

- ❖ TATA BSL (formerly know as Bhushan Steel Ltd) - Achieved 127 heats (Steel Ladle) calculated .
- ❖ JSPL (Raigarh) – Achieved 175 heats Steel Ladle .
- ❖ Replaced AMC by our MAG-C quality in Arcelour Mittal Temirtau and JSPL Raigarh .
- ❖ Achieved worlds highest life in Steel Ladle with MAG- C lining of 192 heats surpassing OUR VERY OWN RECORD of 191 Heats in Rourkela STEEL PLANT .
- ❖ IISCO : Increase in life of Steel Ladle from 27 heats to 65 Heats. (With an maintained average of 52.4 in execution of 100 Sets Supplied by Sino Global).
- ❖ Bhilai STEEL PLANT : Continuous supply of RH-D Refractory since last 6 Years , increasing the Target life from 100 Heats to 130 Heats .Highest achieved life of 181 Heats in RH-D TRM Basis .
- ❖ JSW (Bellary) – Highest performer in RH- Degassing Refractories Unit
- ❖ JSPL (Raigarh) – Highest Performer in RH – Degassing Refractories Unit .



Credentials

JSPL- Raigarh (Ladle Performance report)

SHOP	Ladle no	Mid Repair (S/Z)	LIFE	Calculated Life	Total Purging Time (minutes)	Bottom Lining condition	Slag zone lining condition	Metal Zone lining condition	LOT (Min.)	Remarks
SMS II	1	70	131/61	161.5	15040	Good	Weak	Weak	S/z 0 mm	Heavy metal penetration between Safety & working lining. S/Z brick came out @ 48 heats
SMS II	4	71	131/60	145	13680	Good	Weak	Good	S/z 50 mm	Normal Down
SMS II	10	53	97/44	123.5	14960	Good	Weak	Weak	S/z 0 mm	S/Z brick came out
SMS II	14	75	150/75	166	13815	Good	Weak	Good	S/z 30 mm	Normal Down
SMS II	17	60	142/82	164	7395	Good	Weak	Good	S/z 0 mm	Red Spot in S/Z & brick came out
SMS II	18	74	139/65	158.5	15070	Good	Weak	Good	S/z 50 mm	Normal Down
SMS II	21	68	139/71	170.5	14302	Good	Weak	Good	S/z 30 mm	Normal Down
SMS II	22	75	122/47	148.5	13815	Good	Weak	Good	S/z 60 mm	Normal Down
SMS III	12	73	122/49	150	11450	Good	Weak	Weak	M/z 0 mm	2nd layer Metal Zone brick came out.
SMS III	10	58	110/52	134.5	9870	Good	Weak	Good	Min 20-30 mm up to 6th layer during S/Z repair.	Ladle declared down @ 110/52 heats due to erosion in slag zone.

1. Bottom was exceptionally good which results the saving of 10-15 bricks in every mid repair
2. There metal zone & slag zone is weak & reliable from 60 (Mid repair/1st phase) & 50 hts in the 2nd phase. Total life 110-120 seams to be safe as on date. Which is equivalent to 140-145 calculated life.
3. Shop situation will be under control when new vendors are used with some proven vendors.
4. Due to non availability of sets & shop situation, we were compelled to take 3 nos ladles for second repair on condition monitoring basis w.r.t lining potential. The extra life obtained after this repair was not considered.
5. However in our considered opinion they may improve up to our expectation through extended trial.

S Koushik
27/07/2013
S Koushik

N A Khan
27/7/13
N A Khan

L N Deo
(L N Deo) 27.7.13
L N Deo

T N Jha
27.07.13
T N Jha
Sino Global

A K Ganguly
28/7/13
A K Ganguly



Credentials

STEEL AUTHORITY OF INDIA LIMITED
ROURKELA STEEL PLANT

SHOP NAME : SMS - II MONTH : MAY - 2019

MONTHLY CERTIFICATE TO BE ISSUED BY THE SHOP INCHARGE FOR FACILITATING PAYMENT FOR LADLE

1) CERTIFICATE SL.NO : **06/SGL-AMI/1772000053** DATED : 01/ 04/ 2019
 2) P.O. NO.: **1800500053** DATED 05/07/2018 -M/s. SGSSL
1800500054 DATED 05/07/2018- M/s. AMI
 3) NAME OF THE SUPPLIER : **M/s. SINO GLOBAL SOURCING & SUPPLY LTD.**
M/s. AARYA METALLURGICALS (INDIA).
 4) MINIMUM GUARANTEE LIFE/ THRESHOLD LIFE : 120 / 85
 5) OTHER DETAILS TO BE FURNISHED : **Order Qty.- 22 Sets**

MATURED CAMPAIGN LIFE MEETING MIN. GUARANTEE / BELOW MIN. GUARANTEE.					
SL. NO.	LADLE NO.	DATE OF START OF CAMPAIGN	DATE OF COMPLETION OF CAMPAIGN	CAMPAIGN LIFE	REMARKS : REASONS FOR TERMINATION OF CAMPAIGN, IF ANY.
1	1	21.03.2019	21.05.2019	191	POOR OVERALL LINING.

INITIATED BY :

SIGNATURE : *[Signature]*
 NAME : J. GHOSH
 DESIGNATION : D.G.M. (REFYS.)
 DATE : ()

SIGNATURE NAME : *[Signature]*
DESIGNATION : L.MURMU
DATE : D.G.M., SMS - II (O)
 10.6.19

CC TO :

1) FINANCE (PAYMENT COPY)
 2) PURCHASE
 3) SUPPLIER COPIES
 4) PERF.FILE

APPROVED BY :

SIGNATURE : *[Signature]*
 NAME : ONKAR NATH
 DESIGNATION : G.M.,(REFYS.)
 DATE : ()



Credentials

Rourkela Steel Plant creates new record in Steel Ladle life

PBD BUREAU

ROURKELA, OCT 12

ROURKELA Steel Plant (RSP) has created a new record in Steel Ladle Life in Steel Melting Shop-II department. The ladle life is not only highest in SAIL but also the best ever life achieved in India with Magnesia Carbon Bricks. The plant scripted this record by docking the highest ever Steel Ladle Life of 192 heats in a single campaign surpassing the earlier best Steel Ladle Life of 191 heats achieved in May 2019.

The steel ladle management set was supplied by Sino-Global Sourcing & Supply Ltd. The Ladle was taken down for relining on Friday. The significant achievement was made possible because of the dedicated and coordinated efforts of Refractory



Engineering (Services) and Steel Melting Shop-II (Operation).

Notably, the Steel Ladle was due for slag zone repair on September 16, 2019 at 152 life. During inspection of the Ladle by Refractory Department it was found that the metal zone condition of the ladle was in good shape and the metal zone left over thickness was found to be in excess of 130 millimetres. Considering the potential of the Ladle, the team Refractory Engineering decided to continue the ladle in service with slag-zone repair. The ladle had a

guaranteed life of 120 heats. Under the guidance of Onkar Nath, CGM (Refractory), the Refractory collective carried out the slag zone repair and monitored the ladle with utmost care to achieve the record lining life of the Steel ladle.

The endeavor ensured intangible benefits of enhanced Ladle availability and improved productivity. The effort is one amongst many such initiatives being undertaken by the enterprising RSP collective to reduce cost of production and further improve techno-economics of the steel plant.



Thank You for Your attention!!

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