

ABS Refractories Pvt Ltd (A Unit of Mittal Group)

Works :-

P.O. Niwar, Near Niwar Railway
Station Katni, Madhya Pradesh
483442, India

Head Office Address:

26 Commercial Complex, Housing
Board Colony, Katni, Madhya
Pradesh, 483504

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ABS Refractories Private Limited

- ABS Refractories was established during **1946 as M/S Ishwar Industries** at Niwar, Katni (Madhya Pradesh) by Bhaskar Family. Later it was named as **ABS Refractories Private Limited during 1984.**

- In **01/06/2025, the business was taken over by the Mittal Group**, bringing renewed focus, professional management and a growth-oriented approach to the organization.

- Our comprehensive product portfolio includes **Fireclay & High Alumina Bricks, Insulation Bricks, Refractory Bed Supports, Castables, Mortars, Ramming Masses, Gunning Masses and other specialized refractory products**, manufactured in accordance with applicable **ASTM, DIN, GOST and IS standards**, as well as customized customer specifications.

The Mittal Group Advantage

Strong Group Backing. Stronger Refractory Ecosystem

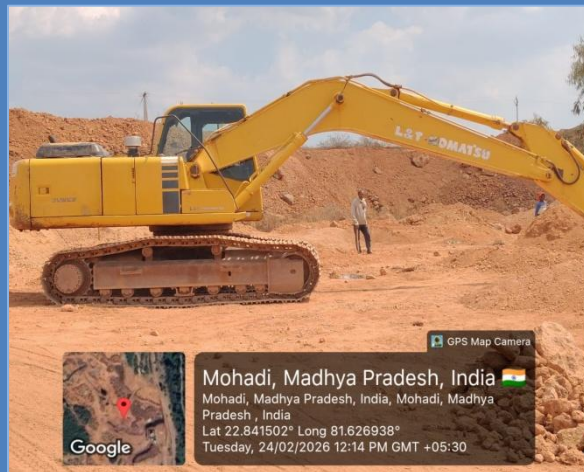
- Founded in 1984, Mittal Group is a diversified organization of 8 major companies. Present turn over- **6,000 Million.**

Presence across:

- Engaged in Businesses of Mining & trading of minerals primarily Bauxite & white marble lumps (Dolomite)
- Manufacturing of Refractory Raw Materials Wall putty
- Polypropylene Bags for Cement , Fertilizer and Sugar & now added FIBC (Big & Jumbo Bags).
- High quality residential & commercial real estate development in Katni & Gurugram
- Since its inception, has endeavored towards sustainable growth with focus on excellence and ethics.

Mining and Refractory Raw Materials

- Mittal Group is backed up huge Own Mines. Like Dolomite Mines at
- MP-17 Hectares
- Fireclay Mines, MP- 5 Hectares
- Bauxite Mines at MP- 180 Hectares
- Manufacturer of Calcined Bauxites, Calcined Pyrophyllites and Calcined Clay since last 30 years.



Refractory Raw Materials

- Mittal Group is having 2 Refractory Raw Materials Plants –started during 1995. We are pioneer in Refractory Raw Materials Production and one of the Biggest Refractory Manufacturer in India.

1.Katni Minerals Private Limited–

Established in 1995 KMPL is engaged in manufacturing of refractory Binders

(Cement) in rotary Klins and Monolithics. The plant is equipped with four rotary Klins, two gas producers and grinding units. Plant's Annual Production Capacity is 90000 Ton and Production Capacity of High Alumina Cement & Refractory Castable is 27000 Ton

Manufacturer of Calcined Bauxite , Calcined Clay & Refractory Cements. We are also producing Sintered Mullite in our High Temperature Rotary Kiln.

Plant Capacity -1,20,000 TPA.



Refractory Raw Materials

2. Sharda Refractories Private Limited-

Established in **1995**, Sharda Refractories is engaged in manufacturing of Refractory Minerals, Refractories Firebricks & Mortars and Manufacturing of wall putty. The Plant is equipped with four vertical shaft Klins, two tunnel Klins, One rotary klins, Ball Mills, Raymond Mills and grinding unit.

The Annual Production Capacity of Calcined Minerals is **1,00,000 Ton**, firebricks is **28,000 Ton** and wall putty is **60,000 MT** Manufacturer of Calcined Pyrophyllite & Calcined Bauxite-**1,00,000 TPA**.

This Plant is having exclusive manufacturing agreement for Calderys India from last **22 Years**.



Refractory Raw Materials Customer

- All most all Reputed Refractory Manufacturers are our Customer:
 - TRL Krosaki Refractories Limited
 - Calderys India
 - IFGL Refractories
 - RHI Magnesita India
 - Vesuvius India
 - Carborundum Universal Limited
 - Mahakoshal Refractories
 - Refractory Shapes
 - Sharda Refractories

Manufacturing Capabilities



Product Category	Current Capacity
Dense Bricks	900 MT/Month
Insulation Bricks	1,25,000 Pcs/Month
Castables	1,000 MT/Month

Quality Policy

We are committed to manufacture and supply high quality yet economical products to all our customers. With our teamwork we go all out to meet our customer's requirements by attaining excellence at all levels of production activities. By stringently adhering to quality norms we lead to continuous improvement of products, process costs, effectiveness and productivity. All quality control procedures and developmental testings are carried out by Ceramic Engineers in our fully equipped Laboratory.

Our success over the years has been built on the principles of Quality, Service and Reliability.

We have already been awarded with the ISO 9001:2000 certificate by TUV SUD Management Services, GmbH in 2004.

ISO 9001:2015



South Asia

CERTIFICATE

The Certification Body
of TUV SÜD South Asia Private Limited
certifies that the organization

ABS Refractories Pvt. Ltd.
P.O. Niwar, Near Niwar Railway Station,
Katni - 483 442, M.P., India

has implemented Quality Management System
in accordance with **ISO 9001:2015**
for the scope of

**MANUFACTURING AND SUPPLY OF COMPREHENSIVE RANGE OF REFRACTORY
BRICKS, CASTABLES AND MONOLITHICS IN DOMESTIC AND EXPORT MARKETS**

The certificate is valid from **2026-05-31** until **2029-05-20**
Subject to successful completion of annual periodic audits

The present status of this certificate can be obtained through TUV SUD website by scanning below QR code and by
entering the certificate number (without spaces) on web page. Further clarifications regarding the status & scope of
this certificate may be obtained by consulting the certification body at info.in@tuvsud.com

Certificate Registration No. **99 100 20890**

Date of Initial certification: **2018-08-13**

Issue Date: **2026-05-31** Rev. **00**



Rahul Kale
Head of Certification Body
of TUV SUD South Asia Private Limited,
Mumbai
Member of TUV SUD Group



ABS Refractories – Major Equipments

SL.No.	DESCRIPTION OF MACHINE/ EQUIPMENT	QUANTITY	MAKE & YEAR OF INSTALLATION		REMARKS (CAPACITY PER MACHINE)
1	<u>MILL HOUSE</u>				
A	<u>CRUSHING UNIT</u>				
I	JAW CRUSHER NO.1	1No.	M/s Saboo Engineering	1986	8 MT/hr
II	JAW CRUSHER NO.2	1No.	M/s Saboo Engineering	2006	8 MT/hr
B	<u>GRINDING UNIT</u>				
I	HAMMER MILL NO.1	1No.	In house fabricated	1986	4 MT/hr
II	HAMMER MILL NO.2	1No.	In house fabricated	2006	4 MT/hr
III	IMPACT MILL	1No.	M/s Hari Machine Ltd.	2005	4 MT/hr
IV	BALL MILL	1No.	M/s Saboo Engineering	2005	1 MT/hr
V	PULVERIZER	1No.	M/s I-TEK Engineering	2005	4 MT/hr
C	<u>MIXER UNIT</u>				
I	COUNTER CURRENT MIXER	1No.	M/s M.M. Enterprises	2009	4 MT/hr
II	COUNTER CURRENT INTENSIVE MIXER	1No.	M/s Hari Machine Ltd.	2006	6 MT/hr
III	R.T.MIXER	1No.	In house fabricated	2009	4 MT/hr
IV	COPPER TYPE MIXER MACHINE	1No.	M/s Giriraj Engineering Enterprises	2008	1 MT/hr
V	MULLER MIXER	1No.	M/s I-TEK Engineering	1994	2 MT/hr

ABS Refractories – Major Equipments

SL.No.	DESCRIPTION OF MACHINE/ EQUIPMENT	QUANTITY	MAKE & YEAR OF INSTALLATION		REMARKS (CAPACITY PER MACHINE)
2	<u>PRESSING/SHAPING</u>				
I	PURMILL NO.1	1No.	M/s I-TEK Engineering	1986	20 MT/day
II	PURMILL NO.2	1No.	M/s I-TEK Engineering	1994	20 MT/day
III	FRICTION SCREW PRESS 150 T NO.1	1No.	M/s Hari Machine Ltd.	1986	15 MT/day
IV	FRICTION SCREW PRESS1 50 T NO.2	1No.	M/s Hari Machine Ltd.	1994	15 MT/day
V	FRICTION SCREW PRESS 150 T NO.3	1No.	M/s Hari Machine Ltd.	1994	15 MT/day
VI	FRICTION SCREW PRESS 150 T NO.4	1No.	M/s Hari Machine Ltd.	2004	15 MT/day
VII	FRICTION SCREW PRESS 150 T NO.5	1No.	M/s Hari Machine Ltd.	2006	15 MT/day
VIII	FRICTION SCREW PRESS 150 T NO.6	1No.	M/s Hari Machine Ltd.	2008	15 MT/day
IX	HYDRAULIC PRESS 200 T	1No.	YUGOSLAVIA MAKE	1986	15 MT/day
X	MAXIBERATOR/VIBRATORY PRESS	1No.	M/s Giriraj Engineering Enterprises	2008	5 MT/day
XI	T.T.PRESS	1No.	In house fabricated	1986	10 MT/day

ABS Refractories – Major Equipments

SL. No.	DESCRIPTION OF MACHINE/ EQUIPMENT	QUANTITY	MAKE & YEAR OF INSTALLATION		REMARKS (CAPACITY PER MACHINE)
3	<u>FIRING</u>				
I	TUNNEL KILN NO.1	1No.	M/s Rammi Enterprises	1996	25 MT/day
II	TUNNEL KILN NO.2	1No.	M/s Rammi Enterprises	2005	25 MT/day
III	CHAMBER KILN NO.1	1No.	M/s Associated Industrial Furnaces	2000	6 MT/cycle
IV	CHAMBER KILN NO.2	1No.	M/s Associated Industrial Furnaces	2002	6 MT/cycle
V	BOOGIE KILN	1No.	M/s ACE Make	2002	6 MT/cycle
VI	D.D.KILN NO.1	1No.	In house constructed	1986	175 MT/cycle
VII	D.D.KILN NO.2	1No.	In house constructed	1986	175 MT/cycle
VIII	D.D.KILN NO.3	1No.	In house constructed	1986	175 MT/cycle
IX	D.D.KILN NO.4	1No.	In house constructed	1986	175 MT/cycle
X	D.D.KILN NO.5	1No.	In house constructed	1986	175 MT/cycle
XI	D.D.KILN NO.6	1No.	In house constructed	1986	175 MT/cycle
XII	D.D.KILN NO.7	1No.	In house constructed	1986	175 MT/cycle
4	<u>MATERIAL HANDLING EQUIPMENTS</u>				
I	FORK LIFT NO.1	1No.	M/s Punjab Tractors Ltd.	2006	
II	FORK LIFT NO.2	1No.	M/s Punjab Tractors Ltd.	2008	
III	TRACTOR TROLLIES	1No.	M/s Mahindra & Mahindra	2005	

"Glimpse of Equipment"



ABS Refractories – New Investment

- **New Tunnel Kiln-** A New 1550 deg C Tunnel is ready. 2 Driers are installed up to speed up drying of Insulating bricks.
- **Insulation Brick Cutting Machines-** 4000 pcs/Shift.
- **Additional Plan :** A. Two 315 Mt Electric Screw Press will be installed by Sept 26.
B. 2 set of Hoppers and Auto-Batching Plant, each Monolithic
& Brick Plant by November 26



ABS Refractories – New Investment

- **Another new Tunnel Kiln- 1550 Deg C**, will be ready by September, 2026.
- **installed 2 Driers** to increase drying time for Insulation Bricks.



- **New Automated Brick making facilities –**
for Speciality Refractory Raw Materials



ABS Refractories – New Investment



Mittal Group taken over **Hofmann Engineering , Ahmedabad**
A Ceramic Unit. Machineries are shifted to Katni New Building at ABS Refractories Campus.

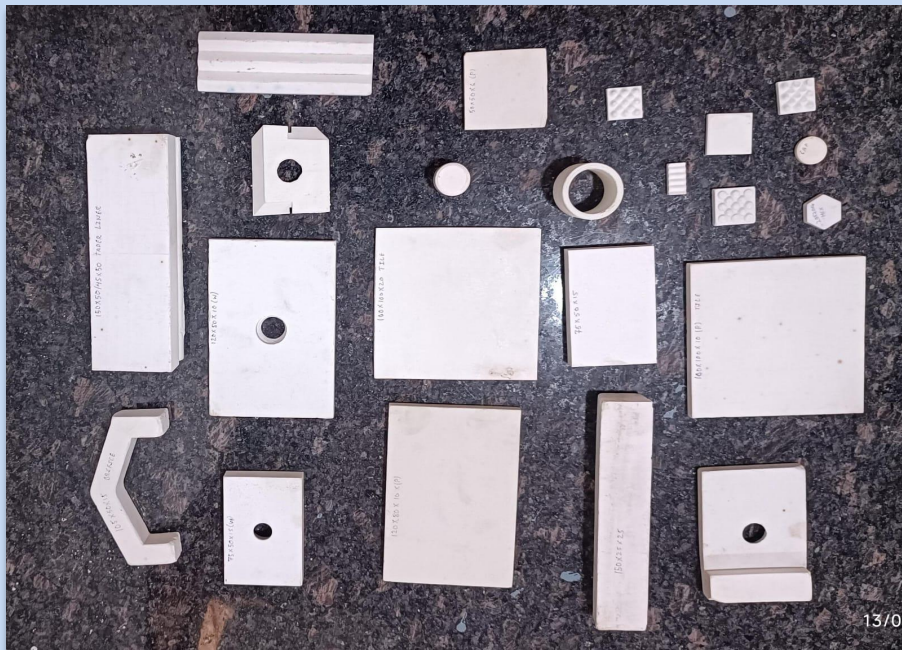
Plant will be ready by end of August, 2026.

Present Plant Capacity - **300 TPA** High Alumina Products



Hofmann Engineering – Ceramic Plant Products

92-94% Alumina regular products- Ball Mill liners, Wear Resistant Liners , Dimple Tiles, Grinding Media, etc



ABS Refractories – Laboratory Equipments

SL.No.	Description of Facility/Equipment & Capacity				Make & Year of Manufacturing	
	Description		Capacity			
	Name of Equipment	Monitoring Measurement to be Undertaken	Range	Least count		
1	Cold Crushing Strength CCS-1	Strength of FB/ Castable Cement	100 MT	1000 kg	AIMIL	1986
2	Vibration Machine for Cement Casting	Std Speed RPM	12000±400 RPM		AIMIL	1986
3	Vicat Needle Apparatus	Setting Time of Cement	0-50mm	1mm	AIMIL	1986
4	Vibration Table for Castable	Std Speed in RPM			AIMIL	2000
5	Physical Balance	Weighing	0mg-200gms	1mg	KEROY	1986
6	Electronic Balance	Weighing	0-200gm	0.1mg	POLAR	2005
7	Pyrometric cone Equivalent Furnace	Comparative Reading with STD cones	StdCone37 (1820°C)Max	±10°C	Ceramic Mining& Ancillaries, Dhanbad	2004
8	Refractoriness under load Furnace	Refractoriness	Up to1600°C	±20°C	Ceramic Mining & Ancillaries ,Dhanbad	2004
9	P.L.C.A.R furnace	Change after	Upto0-	1mm	Star Bio Furnace	1986

ABS Refractories – Laboratory Equipments

10	Steel Scale	Measurement	0-60 mm	±20C	<u>Nigala Sanjyo Japan</u>	1986
11	Muffle Furnace	Temperature Measurement	1200°C		TABQUIP,KOLKATA	1986
12	Test Sieves	Grain Size	250 micron, 1mm		SGS & <u>Sethi</u>	2005
13	Cold Crushing Strength CCS-2	Strength of IB & Castable	250KV	1KN	AIMIL	2000
14	Thermal Conductivity	Insulating Bricks	1200°C	1°C	Bien <u>Artium</u> Calcutta	2005
15	Electronic Balance	Weighing	0-3Kgs	0.001kg	Avery	2005
16	Weight Box	Weighing	1 mg to 200 Gm	10mg	<u>Nigala Sanjyo Japan</u>	2005
17	Weight Box	Weighing	1 mg to 200 Gm	10mg	Macro Industries Nagpur	2005
18	Test Sieves				SGS& MEW	2007
19	Glass Thermometer	Temperature	0-210°C	1°C	GHZEAL	2007
20	Dial <u>Vernier Calliper</u>	FB/Nodules Sizes	0-350mm	0.02mm	Schweitzer, <u>Germany</u>	1986
21	Oven Temp Controller	Temperature	0-250°C	1°C	Rajesh Electrical <u>Pune</u>	2004
22	Muffle Furnace	Fusion Sample	1200°C	±2°C	<u>Gyatri</u> Scientific	2004
23	RTE Furnace	Expansion	1200°C	1°C	Bien <u>Artium</u> Calcutta	2005
24	Lab Mixture		4-5KGs		<u>Hobert</u>	2016

“Glimpse of Laboratory Equipments”



ABS Refractories – Product Range

- ❑ Fireclay and High Alumina Bricks (32-90% Alumina)
- ❑ Hot and Cold Face Insulation Bricks
- ❑ High Temperature Insulation Bricks (IFB 23 to IFB 30 Grade)
- ❑ Acid Resistant Bricks (Grade I & II)
- ❑ Dense Conventional Alumina Castables
- ❑ Insulation Castables
- ❑ Low Cement Castables
- ❑ Ultra Low Cement Castables
- ❑ Refractory Bed Supports (High, Medium & Low Purity)



ABS Refractories – Customers



TATA STEEL



**BIRLA
CORPORATION
LIMITED**



vedanta



ARTSON ENGINEERING LIMITED
(A subsidiary of **TATA PROJECTS LIMITED**)



**Tamilnadu Cements
Corporation Limited**

HEIDELBERGCEMENT



THERMAX
Sustainable solutions
Energy & Environment



**ISGEC HEAVY
ENGINEERING LTD.**

uttamenergy



thyssenkrupp

ABS Refractories – Iron, Steel & Ferro Alloys Customers

<u>Customer Base - Steel & Aluminum Industry</u>	
Party Name	Material Supplied
M/s NIPPON STEEL (MAHINDRA SANYO)	BP Set (60% AL & 70% AL)
M/s GORADIA SPECIAL STEEL LIMITED	BP Set (60% AL & 70% AL)
M/s BHUSHAN POWER & STEEL LIMITED	Fire Bricks IS-8 Std.
M/s VINAR ISPAT LTD.	BP Set (70% AL), Laddle Bricks (70% AL)
M/s TOP WORTH STEEL PVT. LTD	Special Shapes Bricks (50 to 70% AL)
M/s SHREE RUPANDHAM STEEL	HA 70% Bricks
M/s UTTAM VALUE STEEL LIMITED	IS-8 Std. Bricks
M/s HIRA FERRO ALLOYS	HA Bricks (50% AL & 70% AL) & Castable
M/s JAYSWAL NECO INDIA LIMITED	IS-8 Bricks Std.
M/s VINDHYACHAL STEEL FOUNDRY	Laddle Bricks & Special Shapes Bricks (IS-8)
M/s SAURABH METALS PVT. LTD.	BP Set (IS-8 & 60% AL) & 70% AL Std. & Arches
M/s SIMPLEX CASTING LIMITED	IS-8 & 70% AL Special Shape Bricks (IS-8)
M/s ALOK FERRO ALLOYS LTD.	HA 70% AL Bricks
M/s HEG LTD.	SPI Shapes (42% AL)
M/s CHANDAN STEEL LIMITED	70% AL Special Shape Bricks
M/s BHARAT ALUMINIUMCO. LTD.	Anode Baking Bricks
M/s SKS ISPAT LIMITED	HA 70% AL Bricks
M/s RATHI ISPAT LTD	HA 70% AL Bricks
M/s SHRI SIDDADHWALI ISPAT	IS-8, 50% AL & 70% AL Bricks
M/s AADHUNIK ALLOY	HA 70% AL Bricks
M/s SALASAR STEEL & POWER LTD.	Plastic Refractory (Phoscast-90 XR)
M/s JAMNA AUTO INDUSTRIES LTD.	70% AL Bricks & 90% AL Block
M/s HINDALCO INDUSTRIES LTD.	42% AL Floor Bricks

ABS Refractories – Strength

- ABS is backed up by Strong Own raw material source and synthetic material manufacturing capability.
- Strong Technical Team from different Refractory Industrial Back ground.
- Added New Tunnel Kiln for 1550 Deg C Firing.
- Strong QC & QA system to ensure Consistent Process and Product manufacturing.
- All required Machineries available to make Dense High Alumina Bricks. Now adding Chinese Electric Screw Press -315 MT- 2 nos. within 2 months.
- In House all Testing facilities make regular testing of Final Products.



THANK YOU

CONNECT WITH US



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