



# Vishwakarma Refractories Pvt. Ltd.

A UNIT OF BHUWALKA PREMIER GROUP OF COMPANIES

(AN ISO 9001:2000 COMPANY)





# Bhuwalka

## Welcome to **BHUWALKA**

M/s Vishwakarma Refractories Pvt. Ltd., is located at Kolar "TAMAKA" Industrial Area in Karnataka.

Kolar is about 80kms. from Bangalore on NH-4. This refractory was inducted in 1990 as a part of Bhuwalka Premier Group of Companies who are in the field of CONSTRUCTION STEEL & REFRACTORIES.

### ABOUT US

Vishwakarma Refractories is the leading manufacturer of refractories for Steel, Cement, Glass and various other industries.

Started with a modest beginning in 1990, Vishwakarma Refractories has become the leading supplier of refractories to Steel industries in South India.

Today the company is equipped with modern machineries for manufacturing high quality refractory bricks & monolithics for meeting stringent requirements of wide range of customers.

Its present annual production capacity is about 30,000 MT of refractory products, mainly High Alumina / Fireclay, Basic refractories, Garnic boards Oxide & Nitride bonded Silicon carbide products and all types of Monolithics and Mortars.

The growth of Vishwakarma Refractories has been possible due to its burning zeal, untiring ambition and ceaseless effort of its employees & management to become the front-runner as a refractory manufacturer

### MISSION:

To Manufacture and Market consistent Products & Services that will reflect Absolute Quality resulting in TOTAL CUSTOMER SATISFACTION

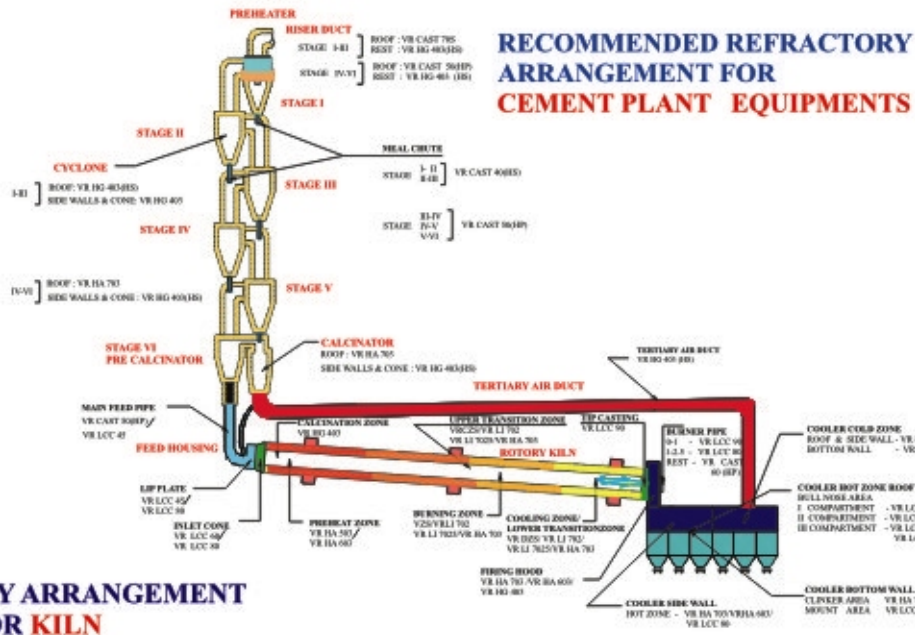
### VISION:

To be a LEADER in the field of refractories on SOUND BUSINESS ETHICS coupled with HIGH ESTEEM for Our Customers together with a belief in TRADITIONAL VALUES and Reliance on INNOVATIVE TECHNOLOGY & MODERN MANAGEMENT Concept

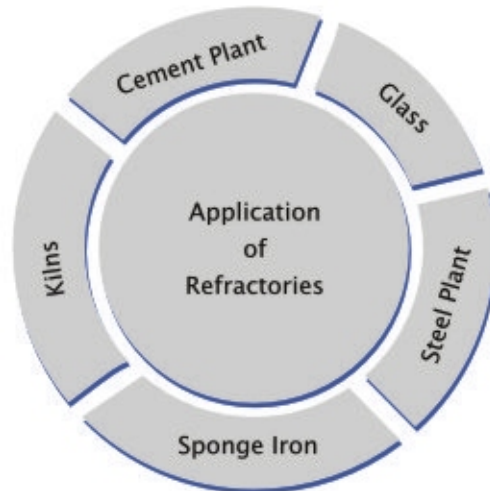
### OUR STRENGTH

- Wide range of products for various applications
- Latest Refractory manufacturing equipments, furnaces and well equipped laboratory with adequate testing facilities
- Technological innovations for continuous developments
- Consistent quality
- Dedicated team of professionals for refractory design, application & services
- Devoted workforce for timely execution

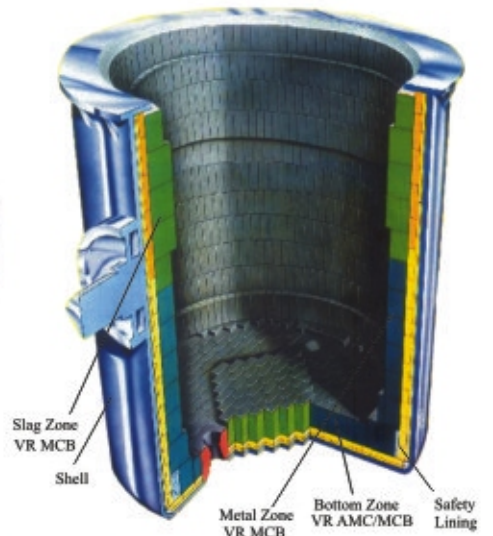




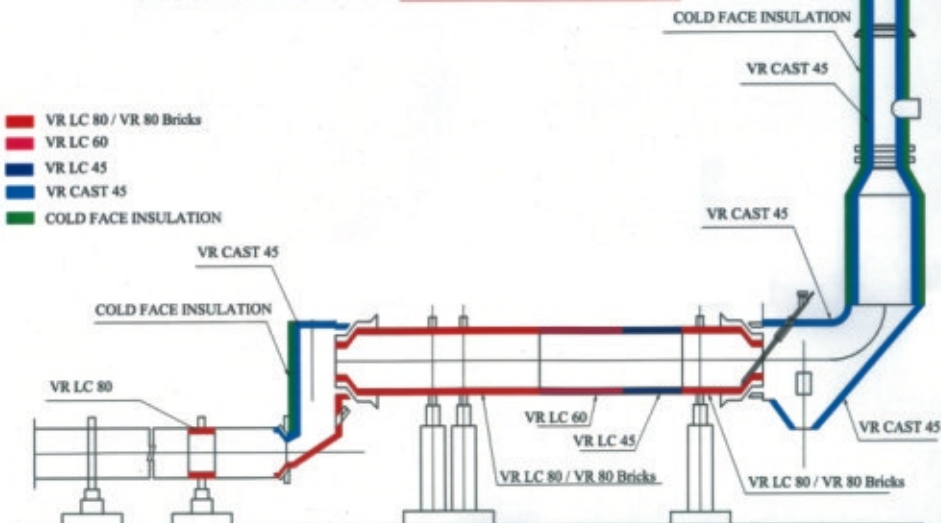
### REFRACTORY ARRANGEMENT FOR KILN



### REFRACTORY ARRANGEMENT FOR LADLE



### RECOMMENDED TYPICAL REFRACTORY ARRANGEMENT FOR SPONGE IRON PLANTS





## PRODUCTION FACILITIES

- Most modern Mill House with automated grinding and grading systems
- Counter Current intensive mixers, Mullers mixers & Castable Mixers for Homogenous mixing of ingredients as per recipe
- PLC controlled high pressure presses for moulding and shaping
- Maxibrators with high vibrating frequency for special shape moulding
- Vibro casting tables for Castable moulding
- Specialised equipments for manufacture of Tundish insulating boards & Accessories



## FIRING FACILITIES

SL	EQUIPMENT	MAXIMUM TEMPERATURE RANGE [ °C]	FIRING CAPACITY [MT / ANNUM]
1.	RING CHAMBER KILN	1500	20000
2.	TOP HAT KILN	1650	150
3.	D.D.KILN 1300	1200	
4.	TEMPERING OVEN FOR RESIN / CHEMICAL BONDED BRICKS	300	2000
5.	TEMPERING TUNNEL KILN FOR TUNDISH BOARDS	250	2400
6.	ROTARY KILN FOR RAW MATERIAL CALCINATION	1450	1500



## IN HOUSE TESTING FACILITIES

- CHEMICAL ANALYSIS FOR ALL MAJOR COMPONENTS OF REFRACTORIES
- PHYSICAL TESTINGS FOR DETERMINATION OF :  
APPARENT POROSITY [ AP]  
BULK DENSITY [BD]  
COLD CRUSHING STRENGTH [CCS] &  
COLD MODULUS OF RUPTURE [CMOR]
- THERMAL TESTINGS FOR DETERMINATION OF :  
PERMANENT LINEAR CHANGE [PLC]  
REFRACTORINESS UNDER LOAD [RUL]  
PYROMETRIC CONE EQUIVALENT [PCE] &  
HOT MODULUS OF RUPTURE [HMOR]



## PACKING FACILITIES

### FOR BRICKS:

- LOOSE STRAW PACKING
- STRAW BUNDLING
- CORRUGATED BOX PACKING [ ORDINARY & SPL.]
- PALLET PACKING

### FOR CASTABLES:

- POLYTHENE BAGS WITH INNER LINERS





## PRODUCT SPECTRUM

### BASIC REFRACTORIES

MAGNESIA CARBON  
ALUMINA MAGNESIA CARBON  
ALUMINA CARBON  
ALUMINA SILICON CARBIDE  
MAGNESITE [ FIRED & CHEMICAL BONDED]  
MAG-CHROME [ FIRED & CHEMICAL BONDED]  
CHROME- MAG [ FIRED & CHEMICAL BONDED]



### ALUMINA REFRACTORIES

FIRECLAY & HIGH ALUMINA REFRACTORIES UPTO  
90% ALUMINA  
COMPLETE RANGE OF STEEL LADLE REFRACTORIES  
WIDE RANGE OF CEMENT ROTARY KILN  
REFRACTORIES  
SILLIMANITE REFRACTORIES  
BUBBLE ALUMINA BASED HIGH ALUMINA  
INSULATION BRICKS



### SUPER REFRACTORIES

OXIDE & NITRIDE BONDED SILICON  
CARBIDE BRICKS & SHAPES  
MULLITE BRICKS & SHAPES  
CORDERITE KILN FURNITURE  
CERLINE TILES & ZIRCON BASED REFRACTORIES



### MONOLITHICS

CONVENTIONAL CASTABLES  
LOW, ULTRA LOW & NO CEMENT CASTABLES  
LOW, HIGH ALUMINA & BASIC MORTARS  
RAMMING MASS, GUNNING MASS,  
BLAST FURNACE TROUGH MASS,  
MUDGAN MASS  
INSULATION CASTABLES & MORTARS



### REFRACTORIES FOR STEEL CASTING UNITS

TUNDISH INSULATION BOARDS  
[ BASIC, SILICA & DUPLEX]  
INSULATION SLEEVES  
EXOTHERMIC SLEEVES  
HOT TOPS  
ANTIPIPING COMPOUNDS



## OUR VALUABLE CUSTOMERS

### SAIL PLANTS

BOKARO STEEL PLANT (BSL)  
BHILAI STEEL PLANT (BSP)  
VISAKHAPATNAM STEEL PLANT (VSP)  
ROURKELA STEEL PLANT (RSP)  
VISL , BHADRAVATHI

### PRIVATE SECTOR INTEGRATED STEEL PLANTS

JINDAL VIJAYANAGAR STEEL  
PLANT (PRESENTLY JSW)  
SISCOL, SALEM  
ISPAT INDUSTRIES, DOLVI  
MUKUND STEEL LTD., HOSPET  
LANCO INDUSTRIES LTD., SRIKALAHASTHI

### MINI STEEL PLANTS

RAILWHEEL FACTORY, BANGALORE  
MISHRA DHATUNIGAM LTD., HYDERABAD  
PEEKAY STEEL CASTINGS., CALICUT  
STEEL COMPLEX LTD., CALICUT  
ELECTROSTEEL CASTINGS, CHENNAI  
O P G STEEL , MAILADUTHURAI  
NAVAKARNATAKA STEELS, BELLARY  
BHUWALKA STEEL, COLUMBO, SRILANKA  
DECCAN ALLOYS, HOSUR  
STAR WIRE LTD., HARYANA  
JAI RAJ ISPAT, HYDERABAD  
V K G STEELS, KANCHEEPURAM  
VIJAY IRON FOUNDRY, HYDERABAD  
VIJAYA STEELS, BANGALORE

### CEMENT PLANTS

MALABAR CEMENTS LTD., WALAYAR  
PRIYADARSHINI CEMENTS, RAMAPURAM  
TAMILNADU CEMENTS, ARIYALUR  
MADRAS CEMENTS, MATHOD  
MYSORE CEMENTS, AMMASANDRA  
MAWMLUHCHERRA CEMENTS, CHERRAPUNJI  
ZUARI CEMENTS, NALGONDA  
INDIA CEMENTS, YERAGUNTALA  
ACC CEMENTS, MATHUKARAI

### OTHER CUSTOMERS

BHEL - BANGALORE  
BHEL - TRICHY  
BHEL - JAGDISHPUR  
BRAKES INDIA LTD., CHENNAI  
BIRLA NGK INSULATORS [ P ] LTD., HOOGLI  
THE K C P LIMITED, CHENNAI  
MADRAS ALUMINIUM COMPANY, SALEM  
GRASIM INDUSTRIES - KUMARAPATNAM  
ELTECH CERAMICS, COIMBATORE  
STERLITE COPPER INDUSTRIES, TUTICORIN  
HIPROCERAMICS LTD., PONDICHERRY  
THE WEST COAST PAPER MILLS LTD., DANDELI

### OVERSEAS CUSTOMERS

BHUWALKA STEEL IND. LTD., COLOMBO, SRILANKA  
CONFAB STEEL PVT. LTD., COLOMBO, SRILANKA  
SALMAN JOHAR AL JOHAR STEEL, RIYADH  
SEEDUWA STEEL LTD., SRILANKA

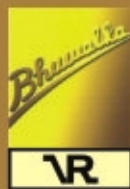


*Guiding Force*





**CORPORATE OFFICE**



**IN PERSUIT OF OUR ENDEAVOUR TO SERVE MANKIND FOR ITS PROSPERITY**

**REGISTERED OFFICE :**

“BHUWALKA LANDMARK”,  
No.05, Walker Lane, On Langford Road,  
Richmond Town, Bangalore - 560 025  
Karnataka, India  
Ph. : 080 22100900  
Fax : 080 41512743  
E-Mail : [vrl@bhuwalka.co.in](mailto:vrl@bhuwalka.co.in)  
Contact : Senior Manager - Commercial  
Cell : 94482 86481

**WORKS :**

Plot No. 6, 6A & 7,  
Tamaka Industrial Area  
Kolar - 563 101  
Karnataka, India  
Ph. : 08152 243 201  
Fax : 08152 243 201  
E-Mail : [vrplmktg@gmail.com](mailto:vrplmktg@gmail.com)  
Contact : Director - Operations  
Cell : 094482 86471 / 74