

PRAKASH KUMAR PASARI & CO. PVT. LTD. SHALIGRAM INFRASTRUCTURES PVT. LTD.



Shaping Industries, Igniting Progress.



CERTIFICATION : ISO 45001:2018 FOR
OCCUPATIONAL HEALTH & SAFETY



Save Paper - Save Tree - Save Earth

ABOUT US

The Pasari Group was founded with the vision to be a leading minerals crushing & processing company in the state of Jharkhand & Odisha. Leading Transportation & logistic solution provider for the human mobility & mining operation solution provider in the state of Jharkhand & Odisha. Pasari Group Specializes in Mine Management, Production & Transportation.

As per the market dynamics the group diverted into various businesses.

- Crushing & Grinding of Iron Ore and supply calibrated Iron Ore & Fines From Odisha & Jharkhand mines.
- Crushing & Grinding of quartzite grains & powder, Our mineral processing plants are equipped with the latest equipment to eliminate all types of impurities. Our multiple stage screening systems, rare earth magnets, involve rotary and vibratory aid in developing an efficient product line with the optimum particle size distribution.
 - Pearl Coke supply to Ferro Alloys unit & Coke fines to sinter plant.
- Supply of Aluminium Deoxidizer as customized manufacturing of Aluminium Ingots, Notch Bar, Shots Cubes & Wire Rod.
 - Trading of bulk chemical , speciality chemicals & Supply of ETP chemical to Power plant as Dealer and channel partner.
 - Trading of Ferro Aluminium ,Calcium Silicide, Boric Acid ,Maize starch , Yellow Dextrine ,Ramming Mass, Borax powder, sodium silicate ,caustic soda flakes , soda ash, hydrochloric acid , Sulphuric Acid, Molasses.
 - Trading of carbon products like Graphite powder , anthracite coal , Calcined pet coke , Coal & coking coal, coke powder , Coke briquette, hard coke , Tyre powder .

MISSION

- Operating with best business practices and integrity
- Maintaining superior environmental standards & safety norms
- Bringing creativity and innovation to our business plans to ensure our company is fit for purpose
- Creating strong and respectful partnerships and relationships in the communities in which we work.

VISION

Our vision is to expand production capacities with a specific goal & gesture that we are fully able to meet the demands of the steel industry & participate in the Nation's Economic Progress.

OUR COMMITMENT

Our Commitment towards a Sustainable Growth with focus on human safety, Environmental Preservation & overall well-being of employees & communities.

CORE VALUES

To empower our talented people, We seek to improve our well-being, We take responsibility for our performance in all of our decisions and actions.

RAMMING MASS

Acidic Ramming Mass is used in the lining of induction furnaces. Quality of Acidic Ramming mass is directly related to the heating performance of the furnaces. Better quality of lining results in the smooth working of furnaces, optimum output and better metallurgical control. It is manufactured under strict supervision of qualified & experienced workforce. Proper check is exercised on magnetic processes to assure iron free material and to assure proper composition of granules according to furnace capacity. The granulation of the mix is optimized keeping in view the furnace make and capacity, thus giving maximum and best results. It is characterized by thermal stability, corrosion resistance and wear resistance because it contains less binders, fire clay and moisture compared to plastic refractories.

Specifications:

SiO₂ ; 97% min, Fe₂O₃ ; 0.5% max. size ; 0-5 mm

- Ratio of Grains -52% & Powder -48%
- Maximum recommended use limit- (1700°C).
- Nature - Acidic Melting - upto (1700°C).
- Packaging - 50 kg HDPE BAG



Premix Chemical Analysis

Parameter	Result	Unit
SiO ₂	97-98	%
Boric Ratio	1.2	%
Fe ₂ O ₃	0.03	% Max.
Al ₂ O ₃	0.02	% Max.
Grain Size	0-5	Mm
Grain	55	%
Powder	45	%

Non-Premix Chemical Analysis

Parameter	Result	Unit
SiO ₂	97-98	%
Fe ₂ O ₃	0.03	% Max.
Al ₂ O ₃	0.02	% Max.
Grain Size	0-5	Mm
Grain	55	%
Powder	45	%

NOZZLE FILING COMPOUND

Nozzle filling compound for steel ladle with slide gate opening system.

This is a powder product with specific granulometry based on Chromite base.

Chemical Analysis

Cr ₂ O ₃	10-12 %
SiO ₂	75-80 %
Particle Size	Below 1.5 mm



SODA ASH



Specification-

Total alkalinity (as Na_2CO_3):	99.1% Min
Chloride as NaCl :	0.409% Max
Matter insoluble in water:	0.01% Max
Sulphates (as Na_2SO_4):	0.012% Max
Iron (as Fe_2O_3):	0.001% Max
Bulk Density:	660 gpl
Volatile Matter:	0.456 % Max

BORIC ACID (INDOBORAX)



Specification-

Boric Acid (as H_3BO_3) percent by Mass:	99.76%
Moisture percent by Mass:	0.055%
Chloride (as Cl) percent by Mass:	Passes
Sulphate (as So_4) percent by Mass:	Passes
Packaging:	In jute bags with liner inside

HYDROCHLORIC ACID (HCL)



Specification-

Conc:	30-33%
(Commercial Grade.)	

YELLOW DEXTRINE (RAJARAM)



Specification-

Soluble in room temperature:	90% min
Ash	: 1.00% max
Colour	: Yellow

CAUSTIC SODA FLAKES (Grasim/Hindalco)



Chemical Analysis		
Na ₂ CO ₃	0.266	Max.
NaOH	97.83	Min.
Cl	0.0164	Max.
Na ₂ SO ₄	0.0043	Max.
SiO ₂	0.00054	Max.
Fe	1.03	Max.

BORON OXIDE



Chemical Specification:

B ₂ O ₃ %:	97.5 – 100.0
H ₂ O% (by difference):	<2.5
SO ₄ ppm:	<250
Fe ppm:	<10

Boric Oxide 60-Mesh is a colourless, glassy product manufactured in the USA by U.S. Borax Inc.

BENTONITE POWDER



Specification-

Moisture:	12% Max,
Free Swelling:	25-30ml, 30-32ml
Gelling Time:	Instant
pH:	9-11
Methylene Blue Value:	350-390, 390-400, 400-450
Gelling Index:	60-75%, 75-80%, 85-90%

QUARTZ POWDER



Specification-

SiO ₂ :	97.5 - 98%
Fe ₂ O ₃ :	0.03% Max
Al ₂ O ₃ :	0.02% Max
Grain Size:	0- 5 MM
Mesh:	200, 300

CASTING POWDER



Chemical Composition	Range
SiO ₂	30 – 33%
CaO	27 – 30%
Al ₂ O ₃	4 – 7%
Na ₂ O/K ₂ O	5 – 8%
F	5 – 8%
MgO	1 – 3%
Li ₂ O	0.5 – 1.5%
C free	20 – 23%
Melting point (+/- 20°C)	1050
Viscosity at 1300°C	4.2 - 4.8 Poise
Particle Size	More than 80% particles passing Through 90 Microns.

FERRIC ALUM



Specification:

AL ₂ O ₃ % (By Mass):	16
Insoluble Mater% (By Mass):	0.3
Iron% (By Mass):	0.1
PH Value:	2.7

LIME POWDER



Specification-

Available Lime %:	90
Acid Insoluble (Max.) %:	1.0
Moisture (Less than) %:	1.0

BORAX PENTAHYDRATE



Specification-

Purity: 101.46%
B ₂ O ₃ : 48.00%
Na ₂ O: 21.45% Insoluble: 100.00 ppm

ANTHRACITE COAL



Chemical Analysis		
Parameter	Result	Unit
FC	90 +/- 2	%
Moisture	10	% Max.
VM	2.5	%
Ash	10.3	%
Sulphur	0.40	% Max.
Phos.	0.020	% Max.
Size	10-30 mm	

Chemical Analysis		
Parameter	Result	Unit
FC	85	%
Moisture	12	% Max.
VM	2.5	%
Ash	10.3	%
Sulphur	0.28	% Max.
Phos.	0.020	% Max.
Size	0-13 mm	

CALCINED PET COKE (CPC)



Calcined Petroleum Coke (CPC)	
FC	98.5% min
Sulphur	1 - 1.5 % max
Ash	0.50 % max
VM	0.50 % max
Moisture	0.5% max
Size	0 - 5 MM

PEARL COKE



Chemical Analysis			
FC	63 %	65 %	67 %
Size	6 – 30 MM	6 – 30 MM	6 – 30 MM
Moisture	12 %	12 %	12 %

COKE FINES



Specification-

F.C: 60 – 70%

MOIST: 10 – 12%

VM: 2 – 3%;

Size: 10-30mm, 5-30 mm

MET COKE



Chemical Analysis		
Parameter	Result	Unit
FC	60-70	%
Total Moisture	12	%
VM	2-3	%
Phos.	0.2	% Max.
Size	6-30	mm

FERRO SILICON



Elements	Si %	Al %	C %	S %	P %	Mn %
Customer's Specification	70 Min	2 % Max	0.15 % Max.	0.05 % Max.	0.05 % Max.	-
Observed Value	70.20	1.25	0.031	0.011	0.029	-
Size Fraction	(+) 150 mm	(25-150) mm	(-) 25 mm			
%	1.89	94.81	3.30			

FERRO SILICON POWDER



Si	70% Min.
S	0.04% Max.
P	0.04% Max.
Al2O3	1.25% Max.
Mesh Size	200 Mesh

FERRO CHROME LUMP (High Carbon)



Chemical Analysis		
Parameter	Result	Unit
Chromium (Cr)	60	%
Silicon (Si)	1.52	%
Carbon (C)	0.092	%
Sulphur (S)	0.022	%
Phosphorus (P)	0.022	%

FERRO CHROME (Low Carbon)



Chemical Analysis	
Size	10-50 mm
Si	58-60 %
Al	1.5 % Max.
S	0.05 % Max.
P	0.05 % Max.
C	1 % Max.
Ca	30-32 %
Fe	Remaining

CALCIUM SILICIDE LUMPS



Cr	58-61
Si	4% Max.
Cr	8% Max.
P	0.05% Max.
Size	25-150 mm

CALCIUM SILICIDE WIRE (CaSi Wire)



Ca	28-33%
Si	55-65%
C	1% Max.
Al.	1.5% Max.
Fe	4.5% Min
Size	9-13 MM

FERRO ALUMINIUM



Chemical Analysis	
Aluminium	35-40 % Min
C	0.15 % Max.
SI	0.30 % Max.
MN	0.30 % Max.
S & P	0.03 %
CU	0.30 % Max.
Size	1 Kg

GRAPHITE POWDER



Specification:

Fixed Carbon: 90% Min,

Moisture: 0.50% Max,

Size Distribution:

- 0.20 MM = 85 % Min

- 0.06 MM = 25 % Max

Mesh Sizes: -100, -200 & -300

CHARCOAL FINES



FC	30%
Ash	68%
VM	2%

COAL FINES



FC	30% - 35%
VM	25%
Ash	41%

HARD COKE

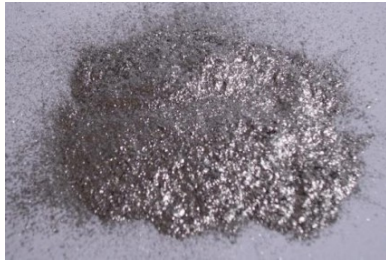


Moisture	10% - 15%
Ash	35% - 42%
Size	80mm

Features:

Low Ash, Low Sulphur bituminous coal fuel with few impurities
high carbon content low Ash low sulphur made by burning of
excellent quality coal

ALUMINIUM POWDER



Grade: 94-95% & 96-97%

Spec's: (-) 300 BSS: 70% (Min.)

Free Aluminium Purity: 98.20% (Minimum)

ALUMINIUM WIRE



Aluminium Purity: 99.5% to 99.8%

Size Range: From Dia. 9 mm, 13 mm

ALUMINIUM NOTCH BAR



Elements	Al	Si	Fe	Cu	Mg	Zn	Mn
Mean	97 %	0.3 % Max.	1 % Max.	0.2 % Max.	0.3 % max.	0.2 % Max.	1% Max.

ALUMINIUM SHOTS



Elements	Al	Si	Fe	Cu	Mg	Zn	Mn
Mean	97 %	0.3 % Max.	1 % Max.	0.2 % Max.	0.3 % max.	0.2 % Max.	1% Max.

ALUMINIUM INGOT



Aluminium 98% Specification

Elements	
Si	1.3457
Fe	0.3392
Cu	0.0093
Mg	0.0000
Mn	0.0296
Zn	0.0000
Cr	0.0289
Ni	0.0542
Ti	0.0580
V	0.0618
Pb	0.0000
Sn	0.0000
Be	0.0001
Ca	0.0002
Sr	0.0001
Zr	0.0000
Al	98.0730

Aluminium 97% Specification

Elements	
Si (%)	0.6181
Fe (%)	0.5402
Cu (%)	0.1090
Mg (%)	0.1574
Mn (%)	0.4164
Ti (%)	0.0326
Zn (%)	0.3444
Ni (%)	0.0272
Pb (%)	0.0984
Sn (%)	<0.0200
Cr (%)	0.0425
Be (%)	0.0003
Sr (%)	<0.0005
Zr (%)	0.0149
Ca (%)	<0.0010
V (%)	0.0312
Al (%)	97.5663

ALUMINIUM CUBES



Si	Fe	Cu	Mg	Mn	Zn	Al
0.3431	0.7235	0.3760	0.3501	0.2929	0.4074	97%

SILICO MANGANESE



MN	60-65%
SI	13-15%
C	2.13% max.
P	0.2% Max.
S	0.3% Max.
Size	10-50 mm

SILICO MANGANESE (Powder)



MN	55-60%
SI	12%
C	2.02% max.
P	0.2% Max.
S	0.3% Max.
Size	200 Mesh

SCRAP



(HMS) YIELD-95% (+/-1%)

SODIUM SILICATE (Liquid)



**Na₂O-11.50%, SiO₂-36.80%, Ratio (SiO₂:Na₂O)-1:3,
Specific Gravity-1.40, Water Solubility-100%**

SODIUM SILICATE (Powder)



Total Solid Contents: 46.98%

**Specific Gravity: 1.56, Na₂O: 13.82%, SiO₂: 33.16%,
(SiO₂: Na₂O): 2.40,**



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 CABCON INDIA LIMITED
 HINDUSTAN COILS LIMITED
 JAINAM FERRO ALLOYS (I) LIMITED
 M/S SARDA METALS & ALLOYS LIMITED
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 SHRIRAM POWER AND STEEL PRIVATE LIMITED

REGD. OFFICE

3RD FLOOR DHIREN TOWER, Q-ROAD BISTUPUR, JAMSHEDPUR, JHARKHAND - 831001
 TEL:- 0657-2317100

MINERALS CRUSHING DIVISION

UNIT I : WORKS : VILLAGE KASIA , PLOT NO.17& 292
 KHATANO.22 DISTRICT , PO BARBIL-758035 DIST , KEONJHAR, ODISHA
 UNIT II : WORKS: BARAJAMDA, KHATA NO.58 PLOT 1646
 WEST SINGHBHUM, JHARKHAND-833201

QUARTZITE GRAINS & POWDER CRUSHING & PROCESSING DIVISION
 PLOT NO- 561/562 KHATA NO- 85/86, MAUZA- BARA BANDUA, POTKA,
 EAST SINGHBHUM, JHARKHAND-831002

CHEMICAL DIVISION & STOCK YARD
 PLOT NO- 561/562 KHATA NO- 85/86, MAUZA- BARA BANDUA, POTKA,
 EAST SINGHBHUM, JHARKHAND-831002