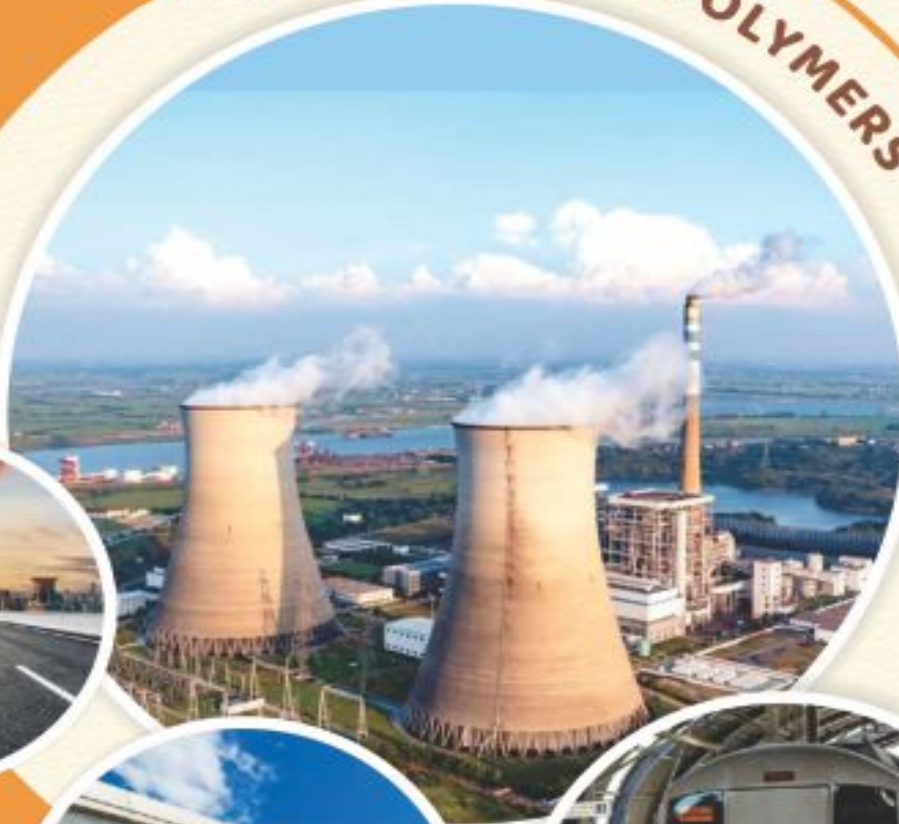




**SHREE RAM
INDUSTRIES**

SHREE RAM INDUSTRIES

BENTONITE & POLYMERS



OUR BRANDS

**SUPER GEL | PILOKING | DEER BRAND
CAST BOND | SR-200 | HDD**



SHREE RAM
INDUSTRIES

COMPANY PROFILE

SHRI RAM GROUP OF COMPANY BRAND OF MINING, MANUFACTURING, PROCESSING & MARKETING OF DRILLING POLYMER, ADDITIVES & MINERALS IN WORLDWIDE FOR OVER 44 YEARS INDUSTRIES SERVED IN CIVIL ENGINEERING, FOUNDRY, OIL FIELD SERVICES ETC. WE HAVE MINES & PROCESING UNIT IN BARMER (RAJ.) & KUTCH (GUJ.)

OUR RANGE OF MINERAL POWDERS ENCOMPASSES HIGH YEILD SODIUM & CALCIUM BENTONITE POWDER, LIME POWDER, DRILLING POLYMER (ECO FRIENDLY), ADDITIVES AND SILICA SAND, HYDRATED LIME POWDER, SODIUM SILICATE ETC THE RANGE IS WIDELY APPRECIATED IN THE MARKET FOR ITS PURITY AND ACCURACY IN COMPOSITION.



OUR PRODUCTS

- SUPER SOIL (POLYMER EPS SYSTEM)
- EAZY MUD (LIQUID EPS SYSTEM)
- SUPER GEL
- SUPER GEL HDD GRADE
- PILOKING (PILE FOUNDATION & DIAPHRAGM WALL)
- HYDERATED LIME
- MULTANI MITTI
- DRILLING DETERGENT
- PAC R, PLUG & MANY OTHER PRODUCT
- COMERCIAL CHEMICAL SODA ASH ETC

SUPER GEL



PILOKING



DEER BRAND



HDD



CAST BOND



SR-200



SR-100



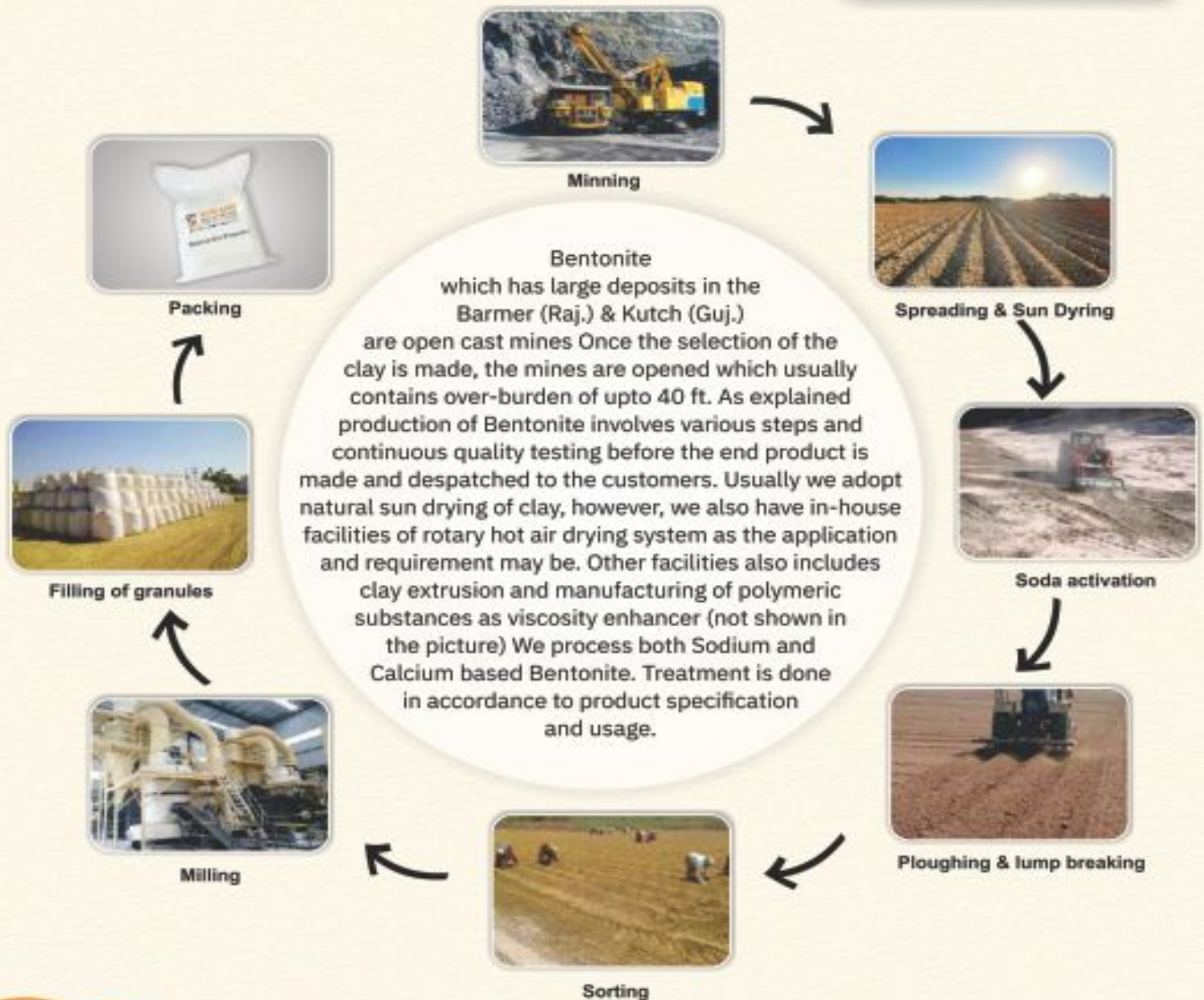
SR PILE GEL



S.No.	Product Name	Application	Remark
1.	SUPER GEL	PILING / TBM / FOUNDRY	ISO
2.	PILOKING	PILING / D WALL	ISO
3.	DEER BRAND	FOUNDRY / PILING / D WALL / TBM	POLYMERIZED (API BENTONITE)
4.	CAST BOND	FOUNDRY	IS 12446:2007
5.	S.R. 200	PILING / TBM / MTB & OIL DRILLING	POLYMERIZED (API BENTONITE)
6.	S.R. 100	PILING	ISO 2911/6186
7.	H.D.D. NORMAL	HDD	API GRADE
8.	H.D.D. ULTRA	HDD / TBM & OTHER OIL WELL	POLYMERIZED (API BENTONITE)
9.	SUPER SOIL	PILING & D WALL	POLYMER SYSTEM
10.	EASY MUD	HDD / PILING / TBM	POLYMERS SYSTEM WITH BENTONITE
11.	PAC R	H.D.D. / OIL WELL	API GRADE
12.	VISCO FIER	HDD / PILING / OIL WELL DRILLING	API GRADE
13.	SODA ASH	ALL FIELDS	TATA GRADE
14.	DRILLING DETERGENT	HDD / OIL WELL DRILLING	ONGC GRADE
15.	RIG WASH / SPOTING FLUIDS	HDD / OIL WELL DRILLING	ONGC GRADE

BENTONITE POWDER

Bentonite is Natural Clay Known as "**Montmorillonite**" we make activate with Polymer in our Factory as our Client Required.



APPLICATION

Product should be slowly added in the water with continuous stirring to develop MUD.

Properties:

- Chemical Composition: $Al_2O_3 \cdot 4SiO_2 \cdot 2H_2O$
- Appearance: YELLOW & TAN COLOUR
- MUD WEIGHT : ≤ 8.60
- pH (0.5% soln. in distt. water): 9 to 11
- Solubility: Soluble in water



CHARACTERISTICS AND BENEFITS

- Cost effective BENTONITE applicable to all types of drilling application however its benefits are best accrued.
- High viscosity of this drilling fluid helps in better removal of cuttings from borehole.

USER GUIDELINES

- Check water hardness & treat with SODA ASH - Light.
- Maintain pH bentonite slurry (9 to 11).
- 60 to 65 kg of bentonite per 1000 ltr. of water in normal condition.
- High speed mixing takes 25 to 35 min. approx & if slow mixing process with 50 to 1.00 hr. approx for ageing.
- If need more efficiency add extra additives like easy mud (Polymer) & Visco Fire (Cellulose).

Note :

- Dosage of every product is depend upon water, soil and ground condition.
- We are customised our product specifications as customer request as their requirements.

PACKING

JUMBO BAG



PAPER BAG



HDPE BAG



WITH PALLET



HDPE BAG



Note : Customized packing can be made upon request.

COMPANY INTRODUCTION

Shri Ram Group of Company introduced the premium product for foundry casting moulding & palletization. If regular use of our **Cast Bond**, Bentonite Powder reduced the consumption of Clay as the subsequently less quantity is achieve the desired mould strength.

FOUNDRY & IRON ORE PELLETIZING

Our Product give you optimum binding capacity to iron ore fines.

Properties	Unit	Cast Bond Foundry Grade	Premium Grade
Free Swelling Vol. 2gm/108 ml	ml	29-31 ±	33-36 ±
Methylene Blue Absorption Value	Mg/gm	385-400 ±	400-450 ±
Gel time 2.5gm/25 ml	Second	Instant	Instant
Wet Tensile Strengthn (N/cm2)	(N/cm2)	0.23-30	0.30-0.40
Gelling Index	ml	80-85	85-90
Moisture	%	12%	12%
pH value 2% slurry	pH	9-11	9-11
Greens comparison (Min 100 PSI) Strengthn Bantonite	PSI	8-10	10-12.5
Passing 200 fresh	%	80 to 85	85



Chemical Properties		
SO ₂	- 44%	- 55%
Al ₂ O ₃	- 15%	- 20%
Fe ₂ O ₃	- 4%	- 12%
CaO	- 2.0%	- 5.0%
MgO	- 0.5%	- 3.0%
Na ₂ O	- 0.5%	- 3.0%
K ₂ O	- 0.03%	- 0.03%



Product stored industry condition for long used.

BENTONITE -API 13A / OCMA DFCP -04

Requirement	Specification	Result
Viscometer Dial Reading at 600 rpm	30, Minimum	31 min
Yield Point / Plastic Viscosity Ratio	3, Maximum	3 max
Filtrate Volume	15 cm ³ to 16cm ³ Max.	15 cm ³ max
Residue of diameter greater than 75 micron (200 mesh) wet analysis	Maximum mass fraction 4.0%	3.5% max

ENVIRONMENTAL GRADE

Our Bentonite grade provides excellent in environmental protection support to the Layer of the Soil & Mainly it very low membrane. This grade of Bentonite its fast swelling & good sealing properties.

Our product can be used for save of ground water from pollutants, rehabilitation of land fills etc.

LIME

- We have griding factory at Jodhpur Hydrated Lime Ca(OH)_2 & Quick Lime (CaCO_3) in all grade 65 % to 85 %.
- Road Project, Water Treatment Plant Etc.
- Packing 25 kg., 50 kg., Jumbo Bag.



SODIUM SILICATE

- We Have JV With Our Associate Company.
- Geotechnical Grounting Application Like
- Client Metro Rail etc. (Civil Eng.) / Textile / Shop Industry.
- Packing 200 ltr. Drum, 22 to 25 Ton Tanker.



APPLICATION FOR CIVIL ENG.

- HORIZONTAL DIRECTIONAL DRILLING & MICRO TUNNELING.
- TUNNELING LIKE : SLURRY DOUBLE SHEILD & EPBM TBM.
- DEEP FOUNDATION : PILE FOUNDATION DIAPHRAGM WALL, GROUND IMPROVEMENT ETC.
- INDUSTRIAL & DRILLING : MINERAL EXPLORATION, WATER WELL DRILLING, FOUNDRY, GEOTECHNICAL DRILLING IRON ORE PELLETISATION ETC.

CLIENT

- METRO RAIL PROJECT, UNDERGROUND METRO PROJECT.
- THERMAL POWER PROJECT, HYDRO POWER PROJECT.
- HDD & MANY OTHER PROJECT INDIA & ABROAD CLIENT.

PILE MACHINE



METRO



TBM



HDD

D-WALL



POLYMER

(SUPER SOIL) ECO FRIENDLY SYSTEM is a high molecular weight polymer in powder form specially developed . The product is used borehole stabilizer in piling , diaphragm wall. Our products deliver exquisite results in granual formations.



APPLICATION

Product should be slowly added in the water & NaOH with continuous stirring to develop viscous fluid. Addition of product should be fast enough to avoid lump formation. Product reduces hydration of solids to form compact core.

Properties:

- Chemical Composition: Copolymer
- Appearance: Granular powder
- Bulk Density: ≤ 0.9
- pH (0.5% soln. in distt. water): 7.5 ± 1.0
- Solubility: Soluble in water



CHARACTERISTICS AND BENEFITS

- SUPER SOIL is a cost effective drilling fluid additive applicable to all types of drilling application however its benefits are best accrued in diamond core drilling.
- Stabilise water sensitive formations.
- Reduces drill pipe torque and pumping pressure.
- Mixes conveniently with stirring in water.
- High viscosity of this drilling fluid helps in better removal of cuttings from borehole.



USER GUIDELINES

- Add 0.75 to 1.0 kg of per 1000 litre of water in normal conditions.
- 1.5 to 2.0 Kg per 1000 litre water is recommended in loose formations.
- Sodium Hydrochloride, Castic Soda for pH control of water.

DEEP FOUNDATION

- Pile Foundation Diaphragm Wall Etc.

CLIENT

- Metro Rail Project, Hdd & Mineral Exploration.



**SHREE RAM
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EAZY MUD (LIQUID FORM)

The EAZY MUD range of polymers are co-polymer these are water soluble polyelectrolytes and are produced in varying molecular weights. The range includes polymers and co-polymers of Anionic & Non-Ionic grades.

Increasing plastic viscosity and reducing water filtration loss property.



USER GUIDELINES

- Be dilute 10 litre of per 200 litre Add simultaneously in Bentonite Slurry tank with 20 to 35 higher stirrer mixing for ageing.
- Always used Soda ash - light accordingly slurry.

Note :

- Dosage of every product is depend upon water, soil and ground condition.

PACKING

- 50 kg Carboys (Drum).
- Deep Foundation, Pile Foundation, Diaphragm Wall, Trenchless Technology etc.



we also deal in many other drilling additive and commercial chemicals.

OUR LABORATORY

Our main laboratory is located in the office building at the corporate headquarters in Barmer & Kutch (Guj.). Constructed this facility for the purpose of insuring quality control, expanding research and development, and providing laboratory skill for our drilling fluids . The Mud Lab latest technology in testing equipment when it was built, the laboratory includes a Fann 35 A Viscometer, MARSH FUNNEL, MUD BALANCER , FILTER LOSS, Spectrophotometer, Hot Roll Oven, PH METER.





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