



Neelkanth[®]

Address :

D-95, RIICO Colony, Boranada, Jodhpur 342 012 (Rajasthan)

Email : neelkanth.ncm@gmail.com

Web : www.neelkanthbentonite.com, www.neelkanthchemical.com

Call us +91 94135 76329, 94135 75329, 96026 35600

COMPANY PROFILE

Neelkanth Group established in 1996, Neelkanth Group brand of mining, manufacturing, processing, and marketing of drilling Bentonite, drilling polymer, Additives & Minerals in worldwide for so years industries served in civil Engineering, foundry, oilfield services etc.

We are the largest manufacturer of Bentonite (especially drilling civil Engineering) in India are amongst the top five companies in the world engaged in developing and marketing of Bentonite, Our range of mineral powders encompasses high yield sodium & calcium Bentonite additives and silica sand plaster of paris, hydrated lime powder, sodium silicate etc. the range is purity and accuracy in composition

OUR PRODUCTS

1. Super Nelo Soil (Polymer ESP System)
2. Alkile Mud (Liquis ESP System)
3. Hyper Gel
4. Super Alka HDD Grade
5. HDD Grade (Pile Foundation And Diaphragm Wall)
6. Calcium Based Bentonite Powder
7. Bentonite Lump
8. China Clay
9. Hydrated lime
10. Diatomaceous Earth
11. Fullers Earth

INTRODUCTION

M/S Neelkanth Chemical & Mineral is the largest mine owner & processor of Bentonite in India. We are fully equipped to meet advance technical customer specifications from all over the world. We already achieve a volume of more than 23,41,000 MT of Bentonite powder.

We believe that the most important part of marketing is customer satisfaction for us, customer satisfaction detail down to, not only right product with help of advance laboratories, but also timely delivery with the help of our fleet transport division. We have well experienced technical facilities of NEELKANTH'S product.

UNIT & MINING

The four pulveriser with pulverising capacity of 5MT per hour And 2 roller mills Japanese technology also capacity of 4MT was located at H-18/2nd Phase Industrial Area Barmer And A-90/2nd Phase Industrial Area Jodhpur.

The unit located in a vast open plot of more than 4640 sq. mtr. with storage facilities godown facilities & drying plot in the premises the unit has a fully equipped laboratory for quality checks from dry & chemical treatment stage to meet the quality requirement of the customer.

The unit is presently processing the following Bentonite grades.

1. Pilling & Drilling grades
2. Foundry grades
3. H.D.D (Chemically Treated Bentonite)
4. Earthing grades
5. Animal Feed grades
6. Fertilizer grades

The finished products are tested quality wise & grades wise packing according to customer's requirement – from H.D.P.E. bags small bags (50 kg/ 40kg / 35kg/ 25kg) & “Jumbo” (one tonne bags).

MAN POWER

The unit has a team of fully trained & experienced personnel for all operations.

The experienced team as following under:

- | | | |
|----------------------|---|----|
| 1. Engineer | - | 4 |
| 2. Chemist | - | 2 |
| 3. Mechanic | - | 3 |
| 4. Computer Operator | - | 4 |
| 5. General Labour | - | 60 |

Bentonite Powder

Bentonite is Natural Clay Know 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 Simply mix 60 kg in 1000 ltr. Fresh water and the slurry will be ready to use after 20 minutes of mixing, giving a marsh viscosity 38 to 40" or more.

- 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) : 9.0
- 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 :
- Add 60 to 65kg of per 1000 litre of water in normal conditions
 - 1.5 to 2.0 kg per 1000 litre water is recommended in loose formations
 - Hardness and chloride of make up water used for preparing solution of this product should be less than 150 ppm and 1500 ppm respectively.

Packing

25 Kg paper Bag and Lamination Bag

50 Kg new HDPE Bag with Laminated • Jumbo Bag

TRENCHLESS TECHNOLOGY

Horizontal Directional Drilling & Micro Tunneling

Tunneling : Slurry Shield & 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.



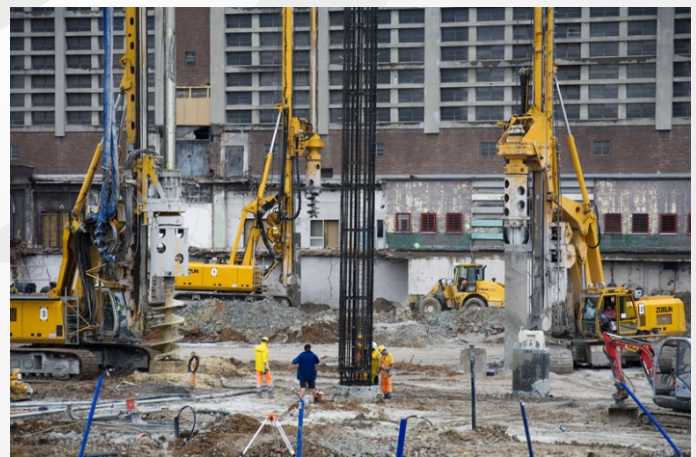
Horizontal Directional Drilling

CLIENT

- Metro Rail Project
- Thermal Power Project
- HDD & Many Other Project In India & Abroad Client.



TBM



Pile Foundation

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 granular formations.



APPLICATION :

Product should be slowly added in the water 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 liter water is recommended in loose formation
- Hardness and chloride of make up water used for preparing solution of this product should be less than 150 ppm and 1500 ppm respectively

PACKING:

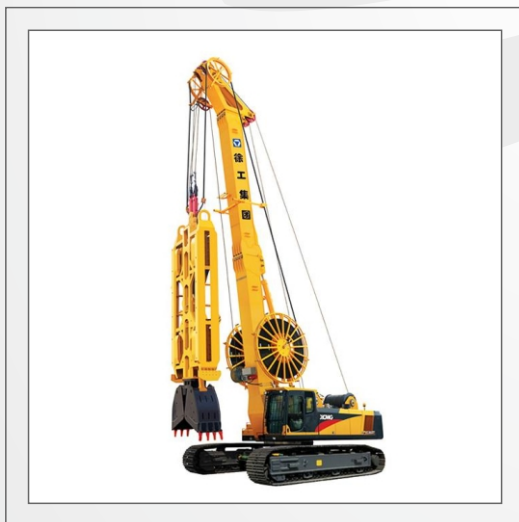
25 kg HDPE

DEEP FOUNDATION

Pile Foundation, Diaphragm Wall Etc

CLIENT

Metro Rail Project, HDD & Mineral Exploration





Eazy Mud (Liquid Form)

The Eazy Mud Range of polymers are copolymer these are water soluble polyelectrolytes and are produced in varying molecular weights. The range included polymers and co-polymers of Anionic & Non-Ionic grades.

Increasing plastic viscosity and reducing water filtration loss property.

User Guidelines:

- Add 0.60 to 0.85 g of per 1000 liter of water in normal conditions
- 1.0 to 2.0 kg per 1000 liter water is recommended in loose formations
- Hardness and chloride of makeup water used for preparing solution of this product should be less than 150 ppm and 1500 ppm respectively

Packing :

50 kg carboys

Deep foundation, Pile Foundation Diaphragm Wall, Trenchless Technology Etc.

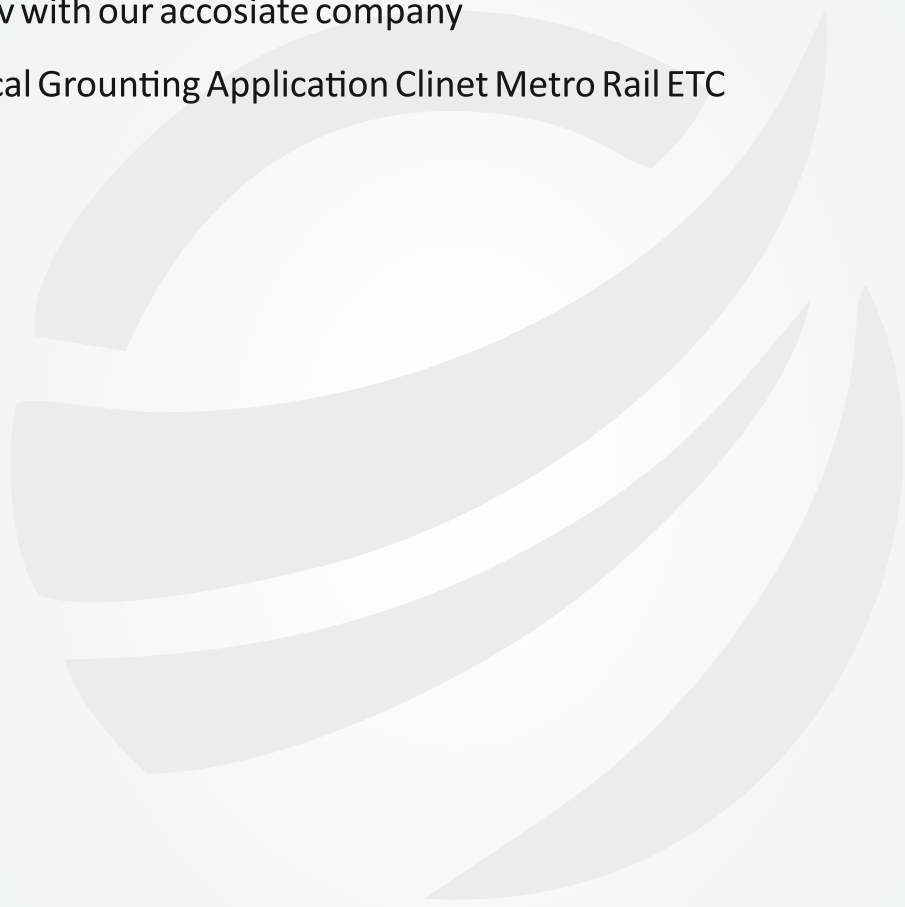
Many other Drilling additive & Commercial Chemical Soda Asha Etc.

HYDERATED LIME

We have griding factory at jodhpur hydrated lime in all grade 65% to 90%

- Road Project, Water Treatment Plant ETC
- Sodium Silicate
- We have jv with our accosiate company

Geotechnical Grounting Application Clinet Metro Rail ETC





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OUR LABORATORY



Our main laboratory is located in the office building at the corporate headquarters in Barmer. Constructed this facility for the purpose of insuring quality control, expanding research and development and providing laboratory SKIL for our drilling fluids. The Mud Lab latest technology in testing equipment when it was built, the laboratory includes a Fann 75 Viscometer, MARSH FUNNEL, MUD BALANCER, FILTER LOSS, Spectrophotometer, Hot Roll Oven, PH Meter.



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