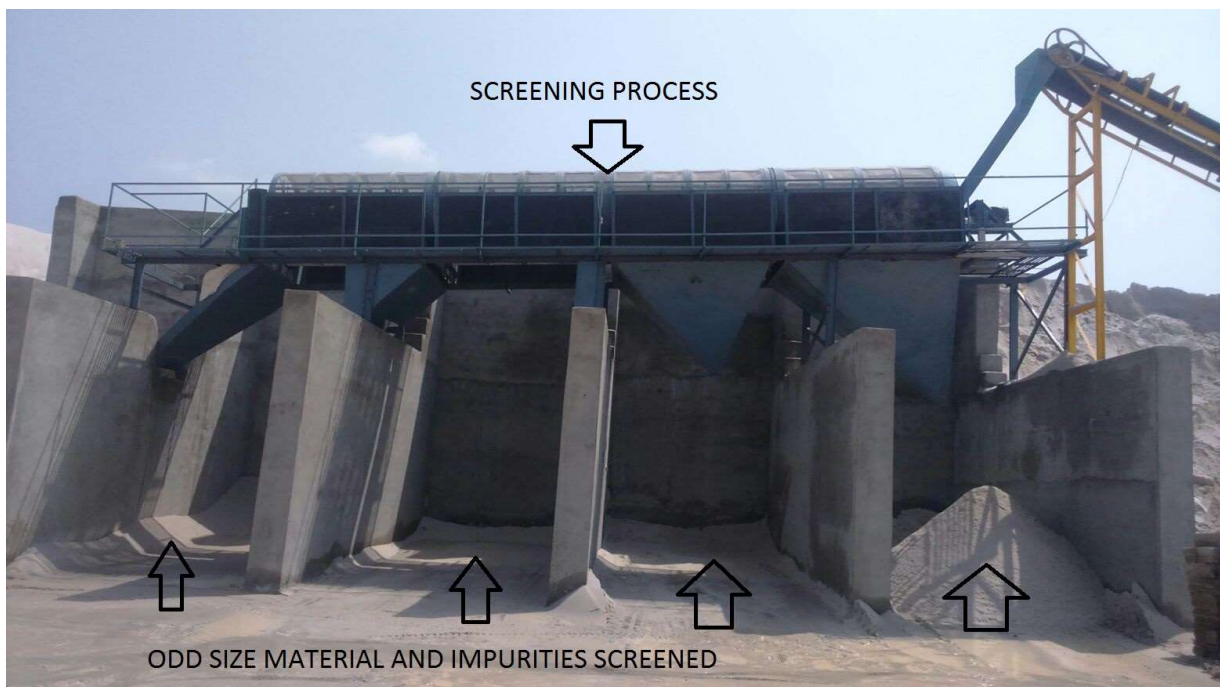


Processing Of Silica Sand-Phenix Enterprise

Stage 1:

The Raw Silica sand stock pile formed during the process of production of China Clay is tested for the desired parameters and is fed into the main screening Machine. This process separates the material from impurities and bigger size material is separated from the stock pile. The pictures shown below are the stock pile of the Silica sand of our unit and the initial feeding to the hopper and sizing operation. The machines used are a screw conveyor and the screening machine. The raw material is tested for quality and then once it confirms to the said quality then we process it further. Capacity of our unit is about 1500 tons per day .





Stage 2:

The screened material from the main screening machine is then fed to the intermediate hoppers where the material is stored and forms as feeding raw material for the next stage. The capacity of the cylo is about 30 tons.



STAGE 3:

The screened material is then fed into the dryer where the material is completely dried. The apparent moisture levels before the drying process is about 4%-5% and once the material is passed from the dryer the moisture level is less than 1%. We can ensure a consistent supply of material to our customers even during monsoon.



Stage 4:

The dried material is then fed into the vibrating screener where the material is sorted out into different sizes based on the customer's requirement. The picture shown below is of the vibratory screener at our unit. Material is fed from the dryer to the vibratory screener via a screw conveyor.





STAGE 5:

The final screened material is then passed through magnetic separators. This process helps removal of free FE in the silica sand thus reducing the iron content in the final product.



BELOW ARE SOME OF THE PICTURES OF THE FINAL END PRODUCT:



