

Brief on China Clay

Kaolin or china clay has been reportedly present / produced in following locations. Here, the clay is crude and is of inferior grade, recovery is less. Mining is usually open cast and in benches of 1-2 m height but it may vary and the quality of ore may also vary within the same deposit.

CHINA CLAY	Mayurbhanj District	Joshipur, Chanchbani, Dumuria, Jamda, Kadodiha, Jamkeswar & Thakurmunda .Dhobadiha, Kalapathuria, Sorisbari, Jamkesar, Kalikapur, Ramchandrapur, Kathkaranja, Nanua, Nijli, Mangalpur, Tikasil etc.	Occur in a long belt stretching from southern Singbhum to Mayurbhanj extending upto Kendujharin the Singbhum Granite belt	314 mt.	Ceramic, potteryindustry, cementindustry, textile, paper, rubber, paint
	Kendujhar District	Unchheibera, Guras, Bholpara,Pradhanpara			
	Nawarangpur District	Devdhara, Sorispadar, Ambagan			
	Rayagada District	Kudingmali			
	BaragadaDistrict	Khola			

- **VALUE:** The price per tonne ranges from Rs. 450 – 550 as estimated from IBM’s production and value statistics.
- **USES:** Its uses find place in cement industry, pesticides, toothpaste, ceramic, glass, rubber, paper, cosmetics.
- **VIEWPOINT:** I don't think there is any processing industry in Orissa so this will most probably be exported to specific industries as raw material. One reason for illegality is the fact that the third party i.e. consumer of this raw material must have been assured regular supplies and it makes economic sense for the miner to do mining in any way, make profits and then again get it regularized
- **MINING PROCESS:** adapted from what is being practiced by Ashapura Minechem!

Mining

The process by which China Clay (Kaolin) is made suitable for industrial applications is extensive, requiring large capital investments in equipment and technology. The journey from the mines to the paper, rubber, paint or other industrial consumer involves many phases.

The mining and processing of China Clay (Kaolin) begins with exploration.



When China Clay (Kaolin) deposits are encountered, core samples of the deposits are extracted and sent to a laboratory for testing. Thousands of acres are drilled and thousands of feet of sample are tested to yield a handful of acceptable mining sites. The samples are analyzed to determine the quality and extent of the deposits.

China Clay (Kaolin) quality varies widely from deposit to deposit – and even within the same deposit. Once mined, the crude China Clay (Kaolin) is hauled to a stockpile, where the processing journey begins.

Brief on Mineral – China Clay

Transporting

Clay is brought from the pit to a plant by truck, where it is processed for finished product to different specified grades.

VIEWPOINT: As the recovery rate is around 30%, more overburden will be there and if the process involves slurry (water) than the material itself becomes viscous and flows rapidly, it depends on the topography and the management of such stockpiles, to say, whether the adjoining regions will be under the influence of impact but there is every likely chance (pl read the section in the REIA).

ACCOUNTABILITY :

- The jurisdiction of Mining Office, Koraput is un-divided Koraput district i.e. Koraput, Rayagada, Malkangiri & Nabarangpur
- The District Welfare Officer may also be approached as he is supposed to perform his duty on "protection of civil rights" which may be compensation or displacement, whatever.
- Directorate of Mines¹ - Can be used by bidyut or others for procuring Mining Plan, Mining lease agreement and lease conditions and in addition department's standard format or template of lease agreement and conditions. If someone locally files it.
- If IBM has prepared the Mining Plan than the Bhubaneswar office (Regional Office) has to be contacted.

¹ **Right to Information** RTI Cell Directorate of Mines, Orissa, Bhubaneswar:

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