

Features of a Proposed Project

Project Name:	White sands Processing	
Purpose of the Project:	<p>The project aims at exploiting the white sands which are available in Egypt in high quality which are used in many industries such as Manufacture of glass products - ceramic tiles sanitary ware - water and liquid filters - metal foundry molds - white cement industry - hydraulic cracking of oil and natural gas bearing rocks - as a filler in ceramic manufacturing - production of sodium silicate, silica bricks, calcium carbide</p>	
Field/Sector:	Mining	
Targeted Markets:	Local Market / Foreign Markets (Exporting)	
Production Capacity as an Example:	45,000 ton	
Required Land Area:	45,000 m²	
Area of Buildings:	700 m²	
Main Raw Materials and Supplies:	White sands	
	Superior sacks	
Main Project Machinery and Equipment:	<p>Water supply pump Vibrator for the first stage of washing V conveyor belt for crude sand from the feeder to the first phase of washing Water lifting pump for the second phase of washing Sand lifting pump from the fourth pot to the sorting pot washing machine feeding pump from the ground tank or from sedimentation tubs Magnetic vibrator for organizing the washed sand Conveyor belt of the washed sand to the dryer Magnetic vibrator for feeding the dryer with washed sand Dryer Providing the fire chamber with fuel Fire Tornado - Cyclon Blower - assisting vibrator</p>	
Annual Consumptions of the Project:	• Annual Consumption of Electricity	1 MWh
	• Annual Consumption of Water	8790m³ + closed water circuit
Labour Required:	13	
Project Products:	Glass sands	

N.B.: This study is a rough estimate of the Example; a detailed feasibility study should be conducted.