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**WHITE CLAY (KAOLIN) DEPOSITS OF BIJAIPUR  
AREA, NETRAKONA DISTRICT, BANGLADESH**

*by*

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### **ABSTRACT**

White clay deposits are exposed in a series of hillocks from Bhedikura in the west to Gopalpur in the east in an area of about 10.5 Km long and 600 metres wide.

White clay occurs in the Dupi Tila Formation as lenses and alternates with sandstone, pebbly sandstone, sandy claystone and claystone. The dips of the beds of the Dupi Tila Formation range from  $45^{\circ}$  to  $58^{\circ}$  towards SSW. The proved reserve of white clay of Bijapur area up to a depth of 15 metres (50 feet) is 6,19,500 tons. The total estimated reserves of white clay is 12,39,000 tons for 30 metres (100 feet); 18,58,500 tons for 45 metres (150 feet); and 24,78,000 tons for 60 metres (200 feet) in the down-dip direction.

By Infra-red absorption spectroscopic and x-ray diffraction studies it has been determined that Bijapur white clay is kaolinite. This clay is found to be suitable for manufacture of ceramic wares including fire bricks, potteries etc. The clay is being commercially exploited and utilized.