

## **Limestones of Southern Ghana: Occurrence, Exploitation and Industrial Usage**

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In Ghana, most road surfacing and concrete works depend upon the use of coarse aggregates often procured from granitic rocks, which situation has made them the best understood geologic materials in the country's construction industry.

However, these rocks are not evenly distributed throughout the country. For example, the Voltaian Basin which covers about forty percent of the land area of the country does not host outcrops of such rocks. Construction works in those areas, therefore, tend to be costly due to the fact that suitable materials would have to be hauled from distant sources to most project sites.

To resolve this issue, the work embodied in this paper seeks to determine the suitability of the major limestone deposits at Nauli and Oterkpolu in Southern Ghana for use in both road and concrete works. The results obtained gave promising indications that these limestone deposits could be exploited for use in Ghana's construction industry, provided that those adverse environmental concerns peculiar to quarrying activities are adequately addressed.