



Acritarchs - Palynomorphs from the Barren Measures Formation of West Bokaro Coalfield: Implications to Depositional Environment

Yashoda Nand Jha and H.N. Sinha*

Department of Geology, Vinoba Bhave University, Hazaribag-825301(JH), India (*Corresponding author, E-mail: hnsinha2003@gmail.com)

Abstract

The Barren Measures Formation of West Bokaro Coalfield has been examined for palynological study. The present study of shale from the exposed Barren Measures Formation along the Chotha Nala section has yielded pollen, spore, AOM, phytoclast (equidimnsional and lath shaped) and acritarchs. The yield of spore, pollen, along with acritarchs and records of primary sedimentary structures attribute to a marine incursion to a fluvial setting of Barren Measure Formation. Based on the frequency distribution of acritarchs and associated palynomorphs, three zones have been proposed in which the zone II is characterised by marine incursion of high intensity as compared to zone I and II.

Keywords: Acritarchs, Spore, Pollen, Phytoclast, West Bokaro Coalfield, Marine Incursion

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