PALYNOASSEMBLAGE AND ENVIRONMENT OF DEPOSITION IN THE LOWER GONDWANA SEDIMENT (RANIGANJ FORMATION) OF SONEPUR-BAZARI COALFIELD IN BURDWAN DISTRICT, WEST BENGAL

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Received-30.01.2015, Revised-23.02.2015

Abstract: Palynological study of the bore hole sediments (BZ-070) from Sonepur-Bazari Open Cast coalmine (Raniganj Formation) in Burdwan district, West Bengal has revealed the presence of Upper Permian palynoflora. A total of 12 species of palynomorphs belonging to 9 genera have been recovered. From the comparison of early records of miospores from Lower Gondwana it is revealed that present miospore assemblage dominated by striate disaccate grains. A warm, temperate climate is suggested during the deposition of sediments based on microfloral assemblage.

Keywords: Palynoflora, Raniganj Formation, Upper Permian, Sonepur-Bazari Coalfield

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