



THE PALAEOPROTEROZOIC STROMATOLITE GROUP *MISTASSINIA* FROM THE KHEINJUA FORMATION, SEMRI GROUP, CHOPAN AREA, SONBHADRA DISTRICT, UTTAR PRADESH

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ABSTRACT

The columnar stromatolite group *Mistassinia* Hofmann is described from the Fawn Limestone of the Keinjua Formation from Pataudh Hill near Chopan. The form is characterized by bipartite organization and bimodal development of laminae. It is made up of vertically accreting laminae in the central part of the column, and a secondary mode of asymmetrical, steeply inclined, obliquely accreting marginal laminae forming a partial or complete encrustation on the primary central portion. All three known occurrences of this form, including the present one, are from the Palaeoproterozoic and hence it is suggested that the form can be considered as an important form of this era and can be useful both for intrabasinal and interbasinal correlation.

Keywords: Semri Group, Kheinjua Formation, Stromatolite, Central India, Palaeoproterozoic, Vindhyan Supergroup