



GOVERNMENT OF THE PEOPLE'S REPUBLIC OF BANGLADESH

**RECORDS
OF
THE GEOLOGICAL SURVEY OF BANGLADESH**

Volume II

Part 2

**GEOLOGY OF THE SOUTHERN PART OF
SYLHET DISTRICT
BANGLADESH**

by

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ABSTRACT

The geological mapping was carried out in Teliapara-Sagarnal area, Habiganj and Moulvibazar Subdivision, Sylhet district on a scale of 1 : 50,000.

The area comprises the hills named Raghunandan, Tarap, Bhanugach, Raikandi and Harargaj which are the northern extension of the Lushai Range. They constitute the main topographical feature of the area and their elevations range between 50 and 1100 feet above mean sea level (AMSL).

The rocks of the area are sedimentary in origin and belong to the upper Tertiary and Quaternary periods. On the basis of lithology, the rocks are divided into five major units, namely Sarma (Bokabil and Bhuban), Tipam (Girujan Clay and Tipam Sandstone), Dupi Tila (upper and lower), Madhupur clay and Alluvium. They range in age from early Miocene to Holocene.

The area is folded into five anticlines and four synclines. The axes of the four folds are almost parallel, trending N10E-S10W to N-S. The westernmost fold trends NNW-SSE.

Rocks and minerals of economic importance are not present in the area except a few lenses and pockets of glass sand located in Teliapara-Shahjibazar, Rashidpur-Brinjaban area and some peat deposit at Ispur village under Habiganj subdivision.

Two gas fields namely Shahjibazar and Rashidpur occur in the area, the former is being utilized for generating power.