

ON THE
GEOLOGICAL STRUCTURE

OF PART OF

THE KHASI HILLS,

WITH OBSERVATIONS ON THE

METEOROLOGY AND ETHNOLOGY

OF

THAT DISTRICT.

BY

THOMAS OLDHAM, A.M., F.R.S., G.S., &c.,
SUPERINTENDENT OF THE GEOLOGICAL SURVEY OF INDIA.

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With reference to the maps accompanying this report, it is only right to state, that we had procured from the Surveyor General's Office, Calcutta, all the maps of these Hills and adjoining districts, which had been previously constructed. These were a sketch of the Khasia independent states, on a scale of six miles to the inch, from a survey by Lieutenant Fisher, in 1829. This proved much too inaccurate to be of any service. Also with a copy of Captain Thuillier's one-inch revenue survey maps of Jynteeah and Cachar. These were most useful, although our researches scarcely extended into these districts. We were also furnished with an excellent M. S. map of the country immediately South of the station of Cherra Poonjee, constructed by Lieutenant Yule in 1841-42. From this the Southern portion of the large one-inch map appended to this report has been extracted, with a few alterations and corrections.

We further had a copy of a manuscript map of the Khasi Hills, constructed by Dr. J. D. Hooker, to illustrate his tours in that district. This sketch was highly creditable to the author, and gave an excellent general idea of the physical features of the country. It could not be expected to be correct, considering the circumstances under which it was constructed, but proved very useful. It included a large part of the country of which an outline map, from independent data, is now given. This outline itself can only be considered approximately correct, being constructed from flying surveys, often in very bad weather.

Plans of the Coal district at Lakadong in the Jynteeah Hills, were submitted together with a report on that field. These were originally intended to form an appendix to the present report, but were subsequently published in a separate form in No. XIII of "Selections from the Records of the Government of Bengal."