

UID: 198415

Field Report

A fieldwork report on the Tertiary Stratigraphy of Kachchh, Gujarat

(15th Dec 2019 to 27th Dec 2019)



By
Ms. Sanika Gorule
M.Sc I

Submitted to

Department of Geology
St. Xavier's College, Mumbai
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CERTIFICATE

This is to certify that Ms. Sanika Gorule Class- M.Sc.-I UID No- 198415 has successfully carried the compulsory field work at Kachchh in Gujarat State from 16th December, 2019 - 25th December 2019 as a part of the curriculum.

Field Instructors



Dr. Shweta Gurav

Field Instructors



Mr. John Dsouza



Dr. Pravin Henriques
Head,
Department of Geology

ABSTRACT

The field work was carried around the cities of Harudi, Naredi, Bermoti, Khari, Lakhpat and Matanomadh in the Kachchh district of Gujarat from 16th December to 25th December, 2019. The toposheet numbers of the study area is as follows: 41A/10, 41A/11, 41A/14, 41A/15 and 41A/16. The main purpose of the field work was to study the Tertiary sediments of the western part of the Kachchh basin. The stratigraphic succession of Kachchh includes Matanomadh Formation at the base followed by Naredi Formation, Harudi Formation, Fulra Limestone Formation, Maniyara Fort Formation, Khari Nadi Formation, Chhasra Formation and Sandhan Formation. These Paleogene and Neogene formations were well exposed along the road and river cut sections, hill slopes and lower ground areas. Detailed study was done on the lithologies and fossil assemblage of Matanomadh Formation, Naredi Formation, Harudi Formation, Fulra Limestone Formation and Maniyara Fort Formation. Sedimentary logs were also created of type and reference sections of each formation.