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DEPARTMENT OF CIVIL ENGINEERING

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Report of Site Visit to “Hedavi, Velneswar Bhati, Pimper, ”

Department of civil engineering organized one day geology field visit on 20th October 2018, to Hedavi, Velneswar Bhati and Pimper dam.

Engineering Geology is one of the important subject to get basic knowledge about the Earth, earth's structure and its landforms. Under this subject SE civil students visited Velneswar bhati and Pimper dam. According to Mumbai University syllabus there shall be visit to get geological information according to various contents mention in syllabus.

For fulfilling this requirement and to understand concepts on field this visit was organized. This visit was taken under the guidance of Asst. Prof. Ms. Komal Shinde and supported by Asst. Prof. Mr. Venkatesh Taduvai total with 48 students.

During the visit students studied measurement of strike and dip by using Brunton compass, soil profile, identification of rocks with their properties and structure, younger stage of river in detail and in last visited to Earthen Dam at Pimper.

Location 1.Hedavi

Hedavi is best place to study the geological properties and structures of rock formation. nearly 15min require to travel from velneswar to hedavi. The road distance between velneswar and hedavi is 9km. Here they studied soil profile, formation of basalt rock its strike and dip, joints and they found a notch due to gushing action of sea waves.

LOCATION- N 17°21'26.60''

E 73°13'10.60''

Elevation-3m

Strike-East-West

Dip-Towards South 10°

At this place rocks are cut by sea water and George has formed. At the time of high tide water gush through George and water column rises to height of upto 100ft in air.



SE civil Students At Hedavi during Engineering Geology visit

LOCATION-2

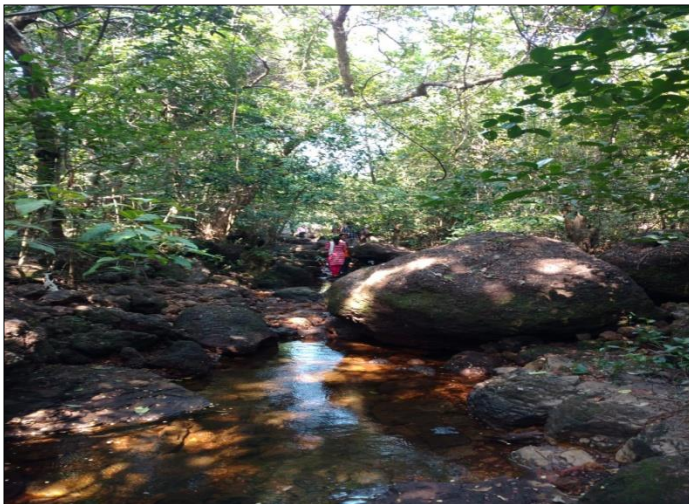
After completing visit of Bamanghal students visited velneshwar bhati. they were starting the observation from top of the river where they found cascades and pot holes. Diameter of pot holes- 20cm.

LOCATION-

N 17°23'42.68''

E73°12'8.34''

Elevation-8m



SE civil Students at Velneshwar bhati observing river bed and stages of river

WATERFALL-

At this waterfall we found some gabian constructed by the villagers.

LOCATION-

N17°23'28.40''

E73°12'12.44''

After that we went towards the bottom of river where one dug well found.

LOCATION-

N17°23'21.58''

E73°12'8.34''

LOCATION-3

PIMPER DAM

After completion of bhati river we went to pimper dam. The pimper is situated on local nallah. The type of dam is Earthen Dam. The length of the dam is 285m. Length of spillway is 25m. Capacity of spill-way is 48.46cumec.

Purpose of the dam is for irrigation, it was completed in 1985.

operating and maintenance agency is WRD, GOM respectively. Maximum height about foundation is 35m.capacity of dam is 44TCM.



Pimper dam

H.O.D

Asst. Prof. Shekhar G.Sawant.