

GEOLOGICAL FIELD TRIP AROUND DHANBAD

B.Sc 3rd year (Session: 2017-2020)

CONDUCTED BY GEOLOGY DEPARTMENT, PKRM COLLEGE DHANBAD



OBJECTIVE of the Field work is to identify the different lithology, structure, presence of economic minerals, and tracing the different stratigraphic formations present in and around Dhanbad area.

From this Field tour, we have understood

- The different geological formations in lower Gondwana.
- To identify the contact between the different stratigraphic formations.
- Contact relation between litho-units & depositional pattern.
- To identify the different planar & linear structure & their measurement in the Field.
- To identify the different sedimentary structures in the Field.
- Finally to interpret the geological picture of sedimentation history of the particular sedimentary terrain.

LOCATIONS ALONG WITH PHOTOGRAPHS:

1. Near Khurdih open pit:



Location: Lat: 23°52'33.5"N, Long: 86°17'42.1"E

Description: Quartzo-felspathic vein in Epidiorite along with polyphase deformation due to compressional stress. Pinch & Swell structure developed.

2. Near Raththand Open Pit:



Location: Lat: 23°52'54.5"N, Long: 86°17'23.9"E

Description: Dextral Strike Slip Fault with dextral sense of movement

3. Near Rathathand Open Pit:



Location: Lat: 23°52'52.4"N, Long: 86°17'25.4"E

Description: Dolerite dyke exposure.

4. Near Bhatinda:



Location: Lat: 23°42'58.6"N, Long: 86°20'24.2"E

Description: Different sedimentary litho-contact exposure along vertical section.

5. Near Bhatinda:



Location: Lat: 23°42'58.1"N, Long: 86°20'24.9"E

Description: Cross stratification showing younging direction and depositional environment of sedimentary units.

Conclusions: From Field tour, we B.Sc (3rd year, Session-2017-2020) have gained huge practical knowledge such as identification of different rock types, different structures, tracing of different litho-contacts, measuring attitude of bed, history of sedimentary deposition environment & direction, Top & bottom criteria of bed.

Finally so much thankful to Principal (Dr. B.K Sinha Sir), PKRM college, Dhanbad for financial support & our teacher Dr Swain Sir for such an excellent field experience, our batch ever gained.

List of students visited Field Tour around Dhanbad

B.Sc (Session: 2017-2020)

Sl No	Name	Hons	Roll No
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11	Puja Kumari	Geology	180083007603
12	Raja Babu	Geology	180083007604
13	Ramdeo Kumar	Geology	180083007605
14	Rohit Banerjee	Geology	180083007606
15	Rupa Roy	Geology	180083007607
16	Sanjay Kumar Rajak	Geology	180083007608
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