

Field inspection visit of Additional Director General & HOD, GSI, Western Region to Mission-I, II & Mission-IV Projects (FS: 2018-19) in Jaisalmer District, Rajasthan.

Shri Brij Kumar, Additional Director General & HOD, Western Region visited Jaisalmer and adjoining area during the period between 18/01/2019 and 21/01/2019 for field inspection of the ongoing FSP items under Mission-I, II & IV. Addl. D.G. & HOD was accompanied by S/Sh S.D. Patbhaje Dy.D.G. & RMH-I, K.K.Naik, Dy.D.G. & RMH-IV, D. Bhattacharya, Director PSS and Palaeontology Division, Afroj Chishti, Director, GCM-IV.

On arrival at Jaisalmer on 18th January, Sh. Brij Kumar called a meeting and took a stock of the status of work in research item and NGCM Projects, progress of drilling in limestone projects, recoupment of RCA/NRCA and constraints, if any, being faced by the field parties, in the presence of officers associated with fieldwork in the area. Subsequently, field traverses were planned for the field inspection to different projects.

On 19/01/2019 ADG & HOD, inspected the field work near Kuldhar Nala section (falling in survey of India toposheet no.40J/13) along with Shri Kishor Kumar Naik, Dy.D.G. & RMH-IV, Shri Debasish Bhattacharya, Director (Palaeontology Division) and field officers Shri Krishna Kumar, Sr. Geologist & Smt. Pragya Pandey, Geologist. Sh. Krishna Kumar Sr. Geologist explained the Mesozoic geological set up and fossil occurrences of the area. Geologically the rocks of Kuldhar Member of Jaisalmer Formation are exposed and mainly consist of alternate sequences of shale/ clay stone and Oolitic limestone. Both units are highly fossiliferous and different types of invertebrate fossils, viz. Belemnite, ammonites, brachiopods, bivalves etc. were observed. ADG & HOD advised the officers to study the different sections exposed at this location in a systematic manner and try to work on each fossil assemblage present in the sediment and mark the different biozones and publish good quality research paper. On observing a deep and consistent vertical cut over a considerable



ADG & HOD and DDG & RMH-IV observing fossiliferous litho-units at Kuldhar Nala section



Field officer explaining about the Mesozoic geological set up and fossil occurrences of the area to ADG & HOD.

length along the left bank of Kuldhar Nala and also some shearing evidences on the limestone of nala bed , he advised to look into the possibility of any neo- tectonic fault in the area.

Shri Brij Kumar also inspected the work carried out by Project NGCM in sheet no 40J/13 along with S/Shri. S.D. Patbhaje, Dy.D.G.& RMH-1 and Afroj Chishti Director, GCM-IV Division. The concerned field officer Shri Devanad Panika, Geologist, explained him about the collection of stream sediment samples in this area. He also explained the methodology adopted in the desert area for collection of NGCM samples. ADG & HOD advised the officer to take adequate precautionary measures during the time of sampling in the desert area following the SOP. Shri. S.D. Patbhaje Dy.D.G. & RMH-1 and Shri AfrojChishti, Director GCM-IV Division appraised to him about the progress of NGCM work carried out in the Jaisalmer area.



Field officer explaining about collection of stream sediment samples in this area to ADG & HOD, accompanied by Dy.D.G. & RMH-I and Director, GCM-IV.



Shri Brij Kumar, ADG & HOD, observing type section of Kuldhar Member of Jaisalmer Formation at Kuldhar Nala section.

On 20/01/2019 Shri Brij Kumar carried out field visit along the Jaisalmer-Ramgarh Section. In Bhadesar ridge section exposed near Bhadesar village, he examined the rocks of Baisakhi Formation and Bhadesar Formation of Mesozoic age as these formations evokes a lot of interest from the Palaeontological point of view. The Baisakhi Formation consists mainly of alternate sequences of siltstone and shale and the Bhadesar Formation is mainly gritty calcareous sandstone, which contains numerous fossils viz. ammonite, belemnite, coral, brachiopods etc. He suggested the field officers Shri Krishna Kumar and Smt. Pragya Pandey to study the section systematically for fossil occurrences. He also advised to collect

systematic samples from the gritty calcareous sandstone at different interval and submit for gold analysis too. He also examined the rocks of Khuiala Formation en-route, near village Sanu which exposes rocks of Palaeogene age. The geological setup and fossil occurrences in the Khuiala Formation were explained to him by field officers at the site. Abundant trace fossils and invertebrate fossils, as present in this area, were also shown to ADG & HOD.



Shri Brij Kumar, ADG & HOD, observing fossiliferous litho-units of Bhadesar Formation, Mesozoic age, Bhadesar ridge, Bhadeser village.



Shri Brij Kumar, ADG & HOD, examining the rocks of Khuiala Formation of Palaeogene age near Sanu village.

Shri Brij Kumar Additional Director General & HOD, Western Region, also visited the Ramgarh Camp and enquired about the progress of outsource drilling in 03 projects (Bharmalki Tekri, Kamion ki Beri and Shakkar ki Dhani) of Industrial Mineral(IM) Division SU: Rajasthan. ADG & HOD had a detailed technical discussion with the field officers S/Sh. Ishwar, Gobinda kumar, T.K Shetty, Rahul Paliwal, DebduittaSen and Smt Aswathi regarding large scale mapping, progress of drilling and sub surface litho-units of the limestone bed. He suggested to plan the subsequent boreholes in order to define the lateral continuity of the targeted limestone beds. He advised the officers to interact with fellow officers working in palaeontology division to ensure whether the limestone encountered in the boreholes are of Khuiala Formation based on the fossil content, which is a very reliable indication. Shri Brij Kumar advised the field officers of these projects to maintain a Log Register in the camp and to get it signed by the Supervisory Officers after each visit, as advised by the Additional Secretary, Ministry of Mines, during his field visit to Dokan- Toda- Ramliyas area, Sikar



Shri Brij Kumar, ADG & HOD, having technical discussion with the field officers of Project Industrial Mineral at Ramgarh field Camp, regarding large scale mapping, sub surface exploration and progress of drilling.

District, Rajasthan on 11th January, 2019. The ADG and HOD appreciated the efforts made by the officers in implementing the projects and shown his satisfaction over the progress, achievement and quality of work.

