COLLABORATIVE GEOLOGICAL FIELDWORK AND SKILL BASED TRAINING

The PG students of Geology department have been doing collaborative geological fieldwork with faculty and PG students of Pt. R.S.University, Raipur, since last three years. It gave them an opprtunity to interact with the students of other institute and they also learnt about technical skills related to geological mapping, instrumentation, sampling and other aspects of field geology in a better way. They were immensely benefitted from the knowledge of faculty of Pt. R. S. University, Raipur.





A REPORT ON COLLABORATIVE FIELDWORK FROM 18.01.2019 TO 22.01.2019

Dr. K. R. Hari *Profiessor* Mobile +91-98279-84622 E-mail: krharigeology@gmail.com



SCHOOL OF STUDIES IN GEOLOGY & WRM PL RAVISHANKAR SHUKLA UNIVERSITY RAIPUR (CHHATTISGARH) - 492010 - INDIA

Ref. No. 236/Geol/2019

Raipur 10-01-2019

To

Dr. S. D. Deshmukh Department of Geology Govt. V.Y.T.PG Autonomous College Durg

Subject:- Collaborative geological field work with Dr. M. Santosh, China University of Geosciences Beijing (China) and Dr. T. Tsunogae, University of Tsukuba, Japan from 18-01-2019 to24-01-2019

Dear Sir

You are invited to carry out geological field work around Dongargarh with. M. Santosh, China University of Geosciences Beijing (China), Dr. T. Tsunogae, University of Tsukuba, Japan and myself from 18-01-2019 to24-01-2019. This is going to be a part of the collaborative research work leading to meaningful conclusions about the geological and tectonic history of Dongargarh Supergroup

Collaborative geological fieldwork was carried out around Dongargarh from 18.01.2019 to 24.01.2019 with Prof. M.Santosh (Beijing University, China), Prof. T. Tsunogae(University of Tsukuba, Japan) and Prof. K.R. Hari(Pt. R.S. University, Raipur).

During the fieldwork, the geology and tectonic framework of Dongargarh belt was studied. The general geological succession of the study area observed during the fieldwork is as follows:

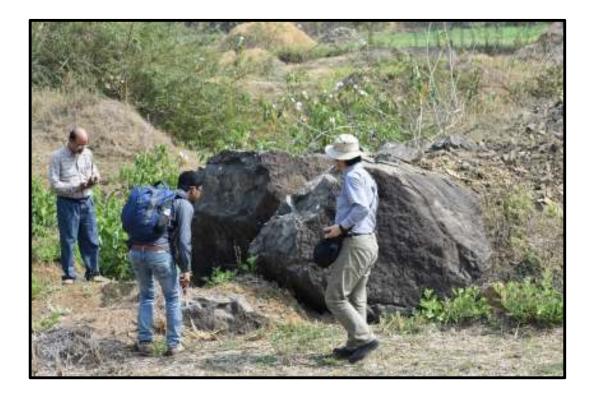
Group	Formations/Dominant Lithology
anas an ainana	Mangikhu'a Volcanics
Khairagarh Group	Karutola Formation
	Sitagota Volcanics
	Bortalao Formation
Unc	onformity
Dongargarh Granite	Porphyritic microgranite, granophyre, coarse granite
Nandgaon Group	Pitepani Volcanics
	Bijli Rhyolites
Unc	onformity
Amgaon Group	Quartz-sericite schist, felspathic quartzite garnet-epidote quartzite, hornb'ende-biotite quartzite, quartz felspar biotite gneiss horn- blende schists and amphibolite



Field photographs of Pyroxenite, Layered Gabbro and Gabbro, Near Gadhmata Temple, Khallari







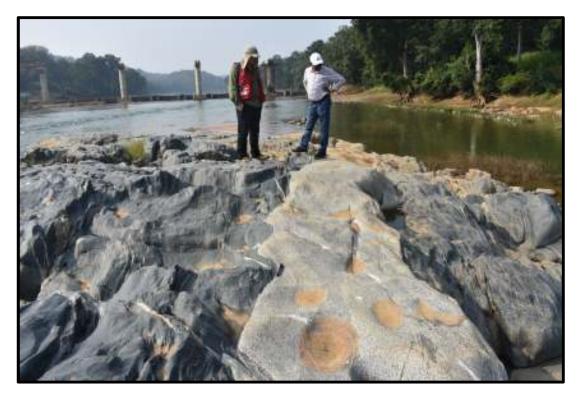
A REPORT ON COLLABORATIVE GEOLOGICAL FIELDWORK FROM 2.11.2019 TO 7.11.2019

Professor Mobile = +91-98279-84622 +91-94062-98223 E-mail: krharigeology@gmail.com	SCHOOL OF STUDIES IN GEOLOGY & WRM Pt. RAVISHANKAR SHUKLA UNIVERSITY RAIPUR, CHHATTISGARH - 492010, INDIA
	Raipur, Dated 15.10.2019
To,	
Dr. S. D. Deshmukh,	
Department of Geology,	
Govt. V.Y.T. PG Autono	omous College, Durg(C.G.)
	geological fieldwork with Dr. J.G. Shellnutt, National Taiwan from 2 nd November,2019 to 7th Nov. 2019.
Dear Sir,	
	aborative research work in the Sonakhan area, I am happy to e plan to carry out the field work w.e.f. 2 nd Nov. 2019 to 7 th Nov. e following members:
1. Prof. K. R. Hari, School Raipur (C.G.)	of Studies in Geology and WRM, Pt. Ravi Shankar University,
2. Prof. J.G. Shellnutt, Dep. Taiwan.	artment of Geology, National Taiwan Normal University, Taipal,
3. Dr. S. D. Deshmukh, Dep	partment of Geology, V. Y. T. P. G. Autonomous College
4. Dr. Neeraj Vishwakar Technology, Raipur (C.G.)	ma, Department of Applied Geology, National Institute of
Therefore, you are requested	d to kindly join us for the smooth completion of the field work.
Looking forward for an acti	ve participation.
	With best regards
	(Br. K. R. Hari)

Geological fieldwork was carried out from 2nd November,2019 to 7th November, 2019 in the Sonakhan area with Prof. K. R. Hari, School of Studies in Geology and WRM, Pt. Ravi Shankar University, Raipur (C.G.), Prof. J.G. Shellnutt, Department of Geology, National Taiwan Normal University, Taipal, Taiwan and Dr. Neeraj Vishwakarma, Department of Applied Geology, National Institute of Technology, Raipur.

The fieldwork was carried out to understand the field relationships of various components of Sonakhan Group in the area around Baghmara, Arjuni, Devpur and Jungle Pahar. Many features of geological importance were observed during the fieldwork. These include:

- 1. Contact between basement granitoids and BIF in the Jonk river section.
- 2. Deformaton in the pillowed metabasalts of Sonakhan Greenstone Belt.
- 3. Occurrence of plagiogranite in the area.
- 4. Deformation in Jonk Conglomerate.



Contact of BIF and basement granitoids in Jonk river section near Maharaji, on the way to Arjuni.



Outcrop of plagiogranite on the way from Achanakpur to Devpur.



Contact of metabasalt and plagiogranite on the way from Achanakpur to Devpur.