
MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding is between

BEDROCK MINERAL RESOURCE CONSULTING, Dubai (BMRC)
Level 41 Emirates Towers
P.O.Box 31303
Dubai, UAE

AND

UNIVERSITY OF LUCKNOW (LU)
Lucknow-226007
U.P., India

STATEMENT OF PURPOSE

This Memorandum of Understanding (MOU) sets the terms of understanding between Bedrock Mineral Resource Consulting (BMRC) and University of Lucknow (LU) with the purpose of designing and implementing the coursework for a 'Diploma in Exploration Resources and Mining Technology'.

PARTIES TO THE UNDERSTANDING

**Institute of Georesources and Climate studies
University of Lucknow, Lucknow, India**

Lucknow University has set up an IGCS and aims to start its first Post Graduate Diploma in the above mentioned subject from new session 2017-18.

Represented by

Prof. Dhruv Sen Singh
Director, Institute of Georesources & Climate Studies

**Bedrock Mineral Resource Consulting
Dubai, UAE**

BMRC is a consultancy company in the field of Geological Exploration, Mineral Resource to Mineral Reserves and mining from green field to brown field projects. BMRC has carried out projects in 26 countries for multiple commodities from precious metal, base metal, energy minerals, gem stones to industrial minerals and in a variety of ground conditions, BMRC has

agreed to participate in this MOU to facilitate and help in setting up this course, provide faculty training, visiting experts and suggest basic software used in exploration, mining and resource. The course will be divided into two semesters.

Represented by

Ravindra Sharma
Managing Director

OBJECTIVE OF THE MOU

The technological advancement in the global mineral and mining industry is rapid. The courses offered in this field in India are too generalized and do not effectively prepare the entry level graduates with the skill sets that this industry needs. In order to keep pace with the international mineral and mining industry, LU has decided to participate in an MOU with BMRC. The aim of this will be to develop coursework for a post graduate diploma in Geological Exploration, Mineral Resource and Mining technology. This course will provide an opportunity to the students to enhance their knowledge and skills and make them more relevant to the developing mineral and mining industry. A student successfully completing this course will have the knowledge equivalent to that of an experienced geologist who has been in the industry for two to three years. This course will help to set apart and differentiate their resumes from those of other entry level candidates with generalized degrees. It will also attract campus placements by private sector and multinational companies due to the advanced skill sets ingrained in the students by this course.

STEERING COMMITTEE

A Steering Committee will be formed for monitoring and maintaining the effectiveness of this MOU. The Steering Committee will meet once in three months and the minutes of meeting will be recorded. The Steering Committee members will include the Director for the IGCS, Experts of Geology, senior member nominated by the Vice Chancellor and BMRC Managing Director or designated officer from BMRC. The Steering Committee will report to University of Lucknow.

RESPONSIBILITY

BMRC responsibility

1. Provide course content and get it approved by the Steering Committee.
2. Provide course guidance and involve in selection and training of faculty.

3. Encourage and support the success of the course for a period of two years, till a full time faculty is placed.
4. Provide course material and reading reference material. For the first year, the course material will be provided at a cost basis. The second year onwards, these books authored by BMRC key experts/Indian and expats will be available for sale to the students.
5. Provide case study data.
6. Provide and sponsor basic software as initial setup cost. The Annual Maintenance Contract at nominal price should be paid by university to the software provider.
7. Provide internship opportunities on live data and projects. Select students may also be given the opportunity of interning on a foreign project at BMRC cost.
8. Till the time faculty is not ready, BMRC will provide lectures at the rates specified by University norms. BMRC may also facilitate guest lectures from industry experts, both domestic and international.
9. Provide webinar series on key topics to facilitate student learning after classroom hours. These webinars can be later used for online short courses by university on a profit sharing basis.
10. Help student in international and national placement.
11. BMRC will give preference to these students for entry level positions in BMRC depending on student capability and vacant positions.
12. BMRC will guide LU on the financial sustainability of this course.

Lucknow University responsibility

1. Provided excellent building space to run the diploma course.
2. To carry out admission, teaching and examination.
3. LU will not bear any financial liability to BMRC.
4. Day to day maintenance of the building.

ELIGIBILITY CRITERIA

Post Graduation in M.Sc./M.Tech. in Geology/Applied Geology or allied subject.

COURSE DURATION

One year with two semesters

COURSE CONTENT

In general the course will cover safety in mineral and mining industry, surface and subsurface exploration methods, sampling techniques, laboratory analytical methods and QAQC, mineral resource and mineral reserves estimates basics, statistical techniques in interpretation, mining methods, role of geologist in mining, financial evaluation of mineral project, mineral based

downstream industries, technical report writing, understanding of preliminary economic studies to feasibility studies, international best practices guidelines in exploration, international and Indian standards of reporting, exploration results, mineral resource and mineral reserves, Ethics in reporting mineral resources and reserves, concept of mineral property development – a complete mining cycle, mitigating exploration and risks in the mining industry.

DURATION OF MOU

This MOU is at-will and may be modified by mutual consent of authorized officials – Ravi Sharma, Managing Director for BMRC and LU. This MOU shall become effective upon signature by the authorized officials and will remain in effect until modified or terminated by any one of the partners by mutual consent. In the absence of mutual agreement to extend, by the authorized officials from this MOU, it shall end after five years.

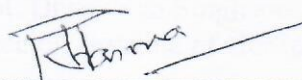
TERMS OF MOU

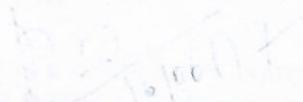
Both parties agrees that this MOU is an understanding to develop material for the course 'Diploma in Exploration Resources and Mining Technology'. BMRC will design this course after MOU.

CONTACT INFORMATION OF THE PARTIES

Bedrock Mineral Resource Consulting, Dubai
Ravi Sharma
Managing Director
BMRC, Dubai

University of Lucknow, Lucknow, India
Prof. P.C. Mishra
Finance officer
LU, Lucknow, India


Date: 16/6/2017.
(Partner signature)
(Ravi Sharma, BMRC, MD)


Date: 16/06/2017
(Partner signature)
(Prof. P.C. Mishra, LU, FO)