



Government of Jharkhand

Receipt of Online Payment of Stamp Duty

NON JUDICIAL

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Receipt Date : 13-Jan-2021 05:47:15 pm

Receipt Amount : 100/-

Amount In Words : One Hundred Rupees Only

Document Type : Agreement or Memorandum of an Agreement

District Name : Dhanbad

Stamp Duty Paid By : CSIR CIMFR

Purpose of stamp duty paid : Memorandum of understanding

First Party Name : CSIR CENTRAL INSTITUTE OF MINING AND FUEL RESEARCH DHANBAD

Second Party Name : UNIVERSITY DEPARTMENT OF GEOLOGY RANCHI UNIVERSITY

GRN Number : 2103809894

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इस रसीद का उपयोग केवल एक ही दस्तावेज पर मुद्रांक शुल्क का भुगतान के प्रमाण हेतु ही किया जा सकता है। पुनः प्रिन्ट कर अथवा फोटो कॉपी आदि द्वारा इसी रसीद का दूसरे दस्तावेज पर मुद्रांक शुल्क का भुगतान के प्रमाण हेतु उपयोग भारतीय मुद्रांक अधिनियम, 1899 की धारा 62 अन्तर्गत दण्डनीय अपराध है।

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MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (MoU) is made on this 18th day of January 2021.

Between

CSIR - Central Institute of Mining and Fuel Research, Barwa Road, Dhanbad, Jharkhand-826015 (hereinafter called as CSIR-CIMFR) a constituent unit of Council of Scientific and Industrial Research, a Society registered under the Societies Registration Act (XXI of 1860), having its registered office at Anusandhan Bhavan, 2, Rafi Marg, New Delhi - 110001 (hereinafter called as CSIR), which expression shall where the context so admits include its successors and permitted assigns of the one part.

And

University Department of Geology (Estd.1962), Ranchi University, Ranchi-834008, is a pioneer Post Graduate Studies and Research Department in the Faculty of Science under Ranchi University (Estd.1960), Ranchi, is a premier State University recognized by University Grants Commission under Section-2f and 12B since 12.07.1960 (hereinafter called RUNIV) which expression shall where the context so admits include its successors and permitted assigns of the other part.

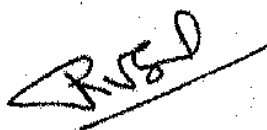
CSIR-CIMFR and RUNIV are collectively referred to as "the Parties" and individually "the Party".

Whereas

CSIR-CIMFR is located in the town of Dhanbad, known as coal capital of India of Jharkhand State of India. It is strategically situated in the Damodar basin of Eastern part of the country which is endowed with rich coal deposits and hosts several large mineral based industries. The institute aims to provide R&D inputs for the entire coal-energy chain encompassing exploration, mining and utilization. The institute also strives to develop mineral based industries to reach the targeted production for country's energy security and growth with high standards of safety, economy and cleaner environment. In view of the National Missions declared by the Government of India, CIMFR has re-aligned its vision, missions and policies and also redefined targets for short and long terms. This would promote rapid sustainable national techno-economic growth with equal emphasis on self-sustenance.

And Whereas

RUNIV is an autonomous institution administratively under the control of Department of Higher & Technical Education and Skill Development, Govt. of Jharkhand and is an Affiliating University with 22 Post Graduate Departments, 15 constituent colleges, 54 Affiliated colleges / Institutes in various Disciplines offering Undergraduate, Post Graduate and Ph.D. Degrees in the faculties of Science, Engineering, Medicine, Law, Humanities, Social Science and Commerce. University Department of Geology is a



pioneer department in the Science Faculty having produced many eminent Geoscience professionals employed in international and national academic, research and industrial organisations. All courses under this University are approved by the U.G.C. New Delhi, AICTE, NCTE, National Medical Commission (earlier MCI), Bar Council of India (BCI) and other apex regulatory bodies.

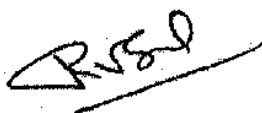
The main aim of the University is to cater to the needs of the nation for scientific, technological and socio-economic manpower development and research programs comparable to the best of the world. The University Department of Geology possess good amenities which include multimedia auditorium, seminar rooms, a State-of-the-Art Museum, well-stocked rich Library, well-equipped Laboratories and campus wide Wi-Fi network, and is in the process of diversifying into research, consultancy, interaction with industries and out-reach activities in a significant manner. The wide range of activities on campus, residential hostels, good sports facilities and never dying zeal of staffs and students for pursuit of excellence provides a pleasant and intellectually stimulating, proactive, conducive environment to students to feed their curiosities / interest and help them prepare for the dignified professional, academic and social life.

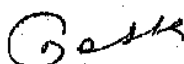
RUNIV campus is located at a distance of 06 km, from the Ranchi Railway Station under South-Eastern Railway Zone and on NH-33 National Highway. It has a sprawling and vibrant campus.

Now, therefore, in consideration of the premises and mutual covenants hereinafter contained, both the parties hereto agree as follows:

1. RECITALS

- a. The parties have mutual interests and intend to undertake cooperative activities to their mutual benefit within the fields of education, training, research and extension in different sectors of knowledge for sustainable development beneficial to both parties.
- b. The cooperative activities to be undertaken by the parties may include facilitation:
 - To promote academic cooperation between the two organizations
 - Education and Training in Geological Aspects
 - Publication and Symposia
 - Supervision of Studies and Researches in Geology leading to M.Sc., M. Phil. and Ph.D. degree under the University
 - Exchange of Information for Education and Research Purposes
 - Exchange of Scientist, Faculty, Staff, Students and Interns
 - Research and Development Programmes at National & International Level
 - Imparting Need Based Skilled Training for Employment Generation
 - Other Activities considered by the parties to be of the benefit to each party.





2. RELATIONSHIP

The Parties shall work with each other on a non-exclusive basis without any financial commitment to each other unless otherwise agreed upon between the two Parties for using each other's expertise and resources for any specific activity prior to its commencement.

3. SHARING OF R&D FACILITIES

- a. The two organizations agree to share their R&D facilities and library facilities as and when required.
- b. Scientist/ Faculty will deliver lectures at both organizations on topics of relevance.
- c. CSIR-CIMFR will provide summer training for students of Geology of M.Sc. Semester III and Semester IV students of RUNIV, to work on the projects for a minimum period of 45 days in the areas of mutual interest as well as mentoring of M.Sc, M.Phil. and Ph.D. Project works/Research Projects/Ph.D. Thesis.
- d. CSIR-CIMFR will provide and facilitate the joint supervision work of M. Sc, M.Phil. and Ph.D. students of RUNIV and extend the modern R&D facilities to them.

4. Ph. D. REGISTRATION

- a. Upto Ten (10) Scientists, Technical Officers or Research Fellows / Research Associates of CSIR-CIMFR, Dhanbad including CIMFR Regional Centers at any given time may be registered for Ph.D. Degree at this University in the University Department of Geology, R.U. Faculty/ Students may opt for CSIR-CIMFR Scientists as Co- Guide for their M.Sc., M. Phil. and Ph.D. Projects / Thesis.
- b. The candidate recommended by each organization will be considered by the registering organization as per existing regulations and norms for Ph.D. registration under the University.

5. INTELLECTUAL PROPERTY RIGHTS

- a. Any intellectual property rights (Patents/Design/Trademark/Copyrights) obtained by the parties hereto prior to signing of the MoU shall remain the property of that party.
- b. The intellectual property rights that arise as a result of joint research and collaborative activity under this MoU shall be jointly owned by CSIR-CIMFR and the RUNIV. The extent of ownership shall be decided mutually depending upon the relative inputs intellectual / technical / financial / physical made by the parties.
- c. The procedural formalities for securing and maintaining the intellectual property rights, shall be the joint responsibility of CSIR-CIMFR and RUNIV and the

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Geology

expenditure incurred thereof shall be borne by each party equally. The question of whether or not intellectual property right should be secured and the territory where these shall be secured shall be jointly decided by Director of CSIR-CIMFR and Registrar, RUNIV.

- d. Patents will be filed jointly and the income arising out of the patents will be shared on the basis of inputs and approved norms in each organization.
- e. The parties shall consult each other for any publication in respect of the collaborative activity under the MoU. These publications, papers, reports etc. shall be in the names of research workers, wherein it will be duly acknowledged that the work has been carried out under the collaborative program between the parties.

6. EFFECTIVE DATE, DURATION AND TERMINATION OF MoU

- a. The MoU shall be effective from the date of signing and shall remain in force for a period of five (5) years from the date of signing.
- b. The MoU shall terminate on the expiry of the period, as in clause CL.6a, unless extended by both the parties.
- c. This MoU may be amended and renewed for another term by mutual written consent of the two organizations.
- d. During the tenure of the MoU, parties hereto can terminate the MoU either for breach of any of the terms and conditions of this MoU or otherwise by giving a two (2) months' notice in writing to the defaulting party. Failure of either party to terminate the MoU on account of breach or default by the other shall not constitute a waiver of that party's right to terminate this MoU.
- e. In the event of termination of the MoU vide clause 6d, the rights and obligations of the parties thereto shall be settled by mutual discussion between parties.

7. TERMS AND CONDITIONS

- a. The cost of development of quality education and infrastructure at RUNIV will be borne by RUNIV.
- b. For the visits related to academic purpose and other expenses of Scientists/Faculty and staff of each organization, shall be reimbursed by their own organizations as per the rules of the respective organization.

8. CONFIDENTIALITY

- a. Both organizations agree to maintain confidentiality of all information/ data generated during the performance of MoU and will not disclose the same to any third party without written consent of the other organization.





- b. The above confidential clause under this MoU excludes the information / data possessed by either organization before entering into this MoU or independently developed and / or information already available through public domain.

9. COORDINATION COMMITTEE

The following will constitute the coordination committee to coordinate and monitor the collaboration between the two organizations:

- a. Director, CSIR-CIMFR, Dhanbad or his nominee.
- b. Registrar, RUNIV or his nominee.
- c. Two representatives of CSIR-CIMFR - one of whom to act as Coordinator from CSIR-CIMFR.
- d. Two representatives of RUNIV - one of whom to act as Coordinator from RUNIV.

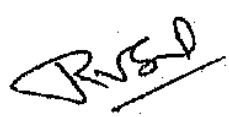
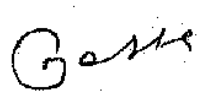
10. ARBITRATION

In the event of any disputes relating to or arising out of this MoU, such disputes or differences shall be resolved amicably by mutual discussions and negotiations in good faith. Failing the above, the disputes shall be referred to and finally resolved by Delhi International Arbitration Centre (DIAC) under Arbitration and Conciliation Act, 1996 and the rules framed there under for the time being in force.

- a. The seat of Arbitration shall be New Delhi.
- b. The language of arbitration proceedings shall be English only.
- c. Each party shall bear and pay its own cost of the arbitration proceedings unless the Arbitrator otherwise decides in the award.
- d. The provisions of this clause shall not be frustrated, abrogated or become inoperative, notwithstanding this MoU expires or ceases to exist or is terminated or revoked or declared unlawful.

11. JURISDICTION AND APPLICABLE LAW

This MoU including all matters shall be governed by the law(s) of India (both substantive and procedural) for the time being in force and shall be subject to exclusive jurisdiction of Indian Courts situated at Dhanbad (Jharkhand).

In witness whereof the two parties hereto have signed this Memorandum of Understanding by the hands of Dr. R. V. K. Singh on behalf of CSIR-CIMFR, Dhanbad and by the hands of MUKUND CHANDRA MEHTA, Registrar on behalf of RUNIV on date, month and year referred as above. R. U. Ranchi

R. V. K. Singh
18/01/2021

Signed by and on behalf of Director, CSIR-Central Institute of Mining and Fuel Research Dhanbad- 826015, Jharkhand

G. Mehta
18.01.2021

Signed by and on behalf of Registrar Ranchi University, Ranchi -834008 Jharkhand

Seal:

R. V. K. Singh
मुख्य वैज्ञानिक एवं समन्वयक / Chief Scientist & Coordinator
परियोजना, प्रकल्प एवं उद्योग सम्पर्क
Project Planning & Industry Interface
सीएसआईआर-केन्द्रीय खनन एवं ईंधन अनुसंधान संस्थान
CSIR-Central Institute of Mining and Fuel Research
इरावा रोड, धनबाद, झारखण्ड / Itarwa Road, Dhanbad, Jharkhand

Registrar
Seal: Ranchi University, Ranchi :

Witnesses:

1. Signature: [Signature]
Name: DR. AMAR NATH
Designation: Chief Scientist
Address: CSIR-CIMFR, Dhanbad
Date: 18-01-2021

Witnesses:

1. Signature: [Signature] 18.01.2021
Name: DR. BIJAY SINGH
Designation: Head, Univ. Dept. of Geology
Address: Ranchi University, Ranchi
Date: 18.01.2021

2. Signature: [Signature]
Name: DILIP KUM DHAKAR
Designation: JR. PRINCIPAL SCIENTIST
Address: CSIR-CIMFR, DHANBAD.
Date: 18.01.2021

2. Signature: [Signature] 18.01.2021
Name: DR. SUDHA SINGHA
Designation: Associate Professor
Address: Univ. Dept. of Physics
Date: 18.01.2021 R.U.