



Government of Jharkhand

Receipt of Online Payment of Stamp Duty

NON JUDICIAL

Receipt Number : 60b7167958d5c37b1803

Receipt Date : 14-Mar-2023 11:10:32 am

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 Central Institute of Mining and Fuel Research Dhanbad Jharkhand

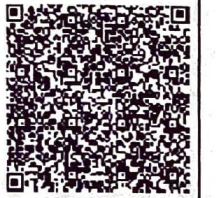
Purpose of stamp duty paid : Agreement

First Party Name : CSIR Central Institute of Mining and Fuel Research Dhanbad Jharkhand

Second Party Name : Tripura University Tripura

GRN Number : 2316184276

-: This stamp paper can be verified in the jharnibandhan site through receipt number :-



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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।

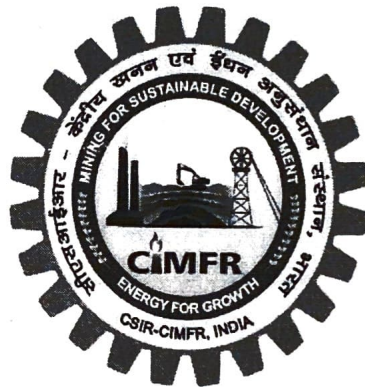
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**MEMORANDUM OF UNDERSTANDING
BETWEEN**

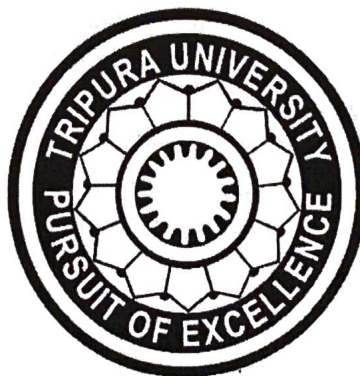
**CSIR-CENTRAL INSTITUTE OF MINING & FUEL
RESEARCH (CIMFR), DHANBAD**



सीएसआईआर
CSIR
भारत का नवाचार इंजन
The Innovation Engine of India



AND



TRIPURA UNIVERSITY, TRIPURA

Memorandum of Understanding

This Memorandum of Understanding (MoU) is made on "Bilateral Agreement of Research & Development, Collaborative project work, Training and Practical exposure for the scientist/faculty/staff/students and members on 22nd March, 2023.

Between

CSIR-Central Institute of Mining and Fuel Research, Dhanbad, Jharkhand - 826015 (here-in-after called 'CSIR-CIMFR/First party') a constituent unit of the 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 (here-in-after called as CSIR), which expression shall where the context so admits include its successors and permitted assigns of the one part. **Party A**

And

Tripura University (A Central University) having an address at P.O. Surjyamaninagar, PIN-799022, P.S. Amtali, District: West Tripura, State-Tripura, Country-India established under the Tripura University Act, 2006 and being represented by its Registrar designated (being empowered to do so). **Party B**

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

Whereas

CSIR-Central Institute of Mining and Fuel Research, Dhanbad aims to provide R & D inputs for the entire coal-energy chain encompassing exploration, mining, and utilization. The laboratory also strives to develop mineral-based industries to reach the targeted production for the country's energy security and growth with high standards of safety, economy, and a cleaner environment. In view of the National Missions declared by the Government of India, CSIR-CIMFR has realigned 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. CSIR-CIMFR is located in the town of Dhanbad, Jharkhand, India. It is strategically situated in the Damodar basin of the Eastern part of the country which is endowed with rich coal deposits and hosts, several large mineral-based industries.

And Whereas

The Tripura University, Surjyaminagar, Established on 2nd October 1987 and then was converted to a Central University on 2nd July 2007 is a promising central institute of higher learning and the lone central University in the state of Tripura with the vision to develop

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[Signature]

conscientious citizenry in the 'Knowledge Society' for sustained peace, prosperity, and cultural preservation through innovative methods, inclusive approaches and quality-driven equitable higher education and with the Mission of To become a beacon of change through interdisciplinary and multi-disciplinary learning; for creation of a peaceful and prosperous knowledge community by investing in character building, work ethics and promoting problem-solving skills of the people for a self-sustaining society. In a dynamic society, the University aims to achieve all the objectives enshrined in its Act by cultivating an environment of excellence and accomplishment in teaching, research, and innovation in pure and applied learning through advanced pedagogy using ICT-enabled technical platforms. Additionally, in tune with successive National Education Policies and Reforms Package, Tripura University aims to enhance quality research and peer-reviewed outputs of the scholars and faculty members.

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 benefits to both parties.
- b. The cooperative activities to be undertaken by the parties may include the facilitation of:
 - To promote academic cooperation between the two organizations.
 - Education and training
 - Publication and Symposia
 - R&D (including chemical process engineering, designing, and simulation) in the field of Coal/Biomass/carbonaceous feedstock Gasification/co-gasification for clean energy generation and Ash/Char utilization for the soils of N.E. India in particular, Tripura in general.
 - Supervision of studies and research leading to M.Tech and Ph.D programs.

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 for the execution of R&D projects sponsored by any external agencies based upon mutual agreement and common interest as and when required.

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- b. Scientists / Faculty will deliver lectures at both organizations on topics of relevance.
- c. CSIR-CIMFR will provide training for students of Tripura University, to work on research projects for a minimum period of 45 days in the areas of mutual interest as well as mentoring of M.Tech/Ph.D. project works/Research Projects.
- d. CSIR-CIMFR will provide and facilitate the joint supervision work of M.Tech/Ph.D students of Tripura University and extend the modern R&D facilities to them.

4. 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 three years from the date of signing.
- b. The MoU shall terminate on the expiry of the period unless extended by both parties.
- c. This MoU may be amended and renewed for another term by the naturally written consent of the two organizations.
- d. Clauses relating to confidentiality, publication, inventions, warranties, and governing laws shall survive the termination or expiration of this Agreement.

5. Confidentiality

Both organizations agree to maintain the confidentiality of all information/data/IP generated as per the separate agreement between the parties for a specific project and will not disclose the same to any third party without the written consent of either organization.

6. Coordination Committee

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

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

7. Arbitration

In the event of any question/dispute/difference arising under the agreement or in connection herewith (except as to matters the decision of which is specially provided under this agreement)

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the same shall be referred to the Delhi international arbitration center for appointment of arbitrator to adjudicate the dispute.

The award of the arbitrator shall be final and binding on the parties. The arbitrator may give interim award(s) and /or directions, as may be required.

Subject to the aforesaid provision, the arbitration and conciliation act, 1996 and the rules made hereunder and any modification thereof from time to time being enforced shall be deemed to apply to the arbitration proceedings under this clause.

8. 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 the exclusive jurisdiction of Indian Courts situated at Dhanbad (Jharkhand).

In witness where of the two parties here to have signed this Memorandum of Understanding by the hand of Dr J.K. Pandey, Chief Scientist

(CIMFR) on behalf of CSIR-CIMFR, Dhanbad, and by the hand of Dr. Deepak Sharma Registrar on behalf of Tripura University on the date, month, and year referred to above.

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

मुख्य वैज्ञानिक एवं समन्वयक / Chief Scientist & Coordinator
परियोजना प्रबंधक एवं उद्योग सम्पर्क
Project Planning & Industry Interface

Seal: सी.एस.आई.आर-केन्द्रीय खनन एवं ईंधन अनुसंधान संस्थान
CSIR-Central Institute of Mining & Fuel Research
बर्वा रोड, धनबाद, झारखण्ड / Barwa Road, Dhanbad, Jharkhand

Witnesses:
1. Signature: [Signature]
Name: ER. AMAR NATH
Designation: Chief Scientist
Address: CSIR-CIMFR
Date: 14/03/2023

Coordinators

2. Signature: [Signature]
Name: PRAKASH DHANDIPAN CHAVAN
Designation: Chief Scientist & Head G4/CPG
Address: CSIR-CIMFR, DC, Dhanbad.
Date: 14/03/2023

Signed by Registrar, Tripura University, Agartala, Tripura

(Dr. Deepak Sharma)
Registrar
Tripura University

Seal: [Signature]
Witnesses:
1 Signature: 22/03/2023
Name: Prof. A. K. Saha
Designation: Director
Address: Research and Development Cell
Tripura University
Date:

2. Signature: [Signature]
Name:
Designation:
Address:
Date:



HEAD (IC)
DEPT. OF CHEMICAL & POLYMER ENGINEERING
TRIPURA UNIVERSITY- A CENTRAL UNIVERSITY
AGARTALA, TRIPURA WEST-799022, INDIA