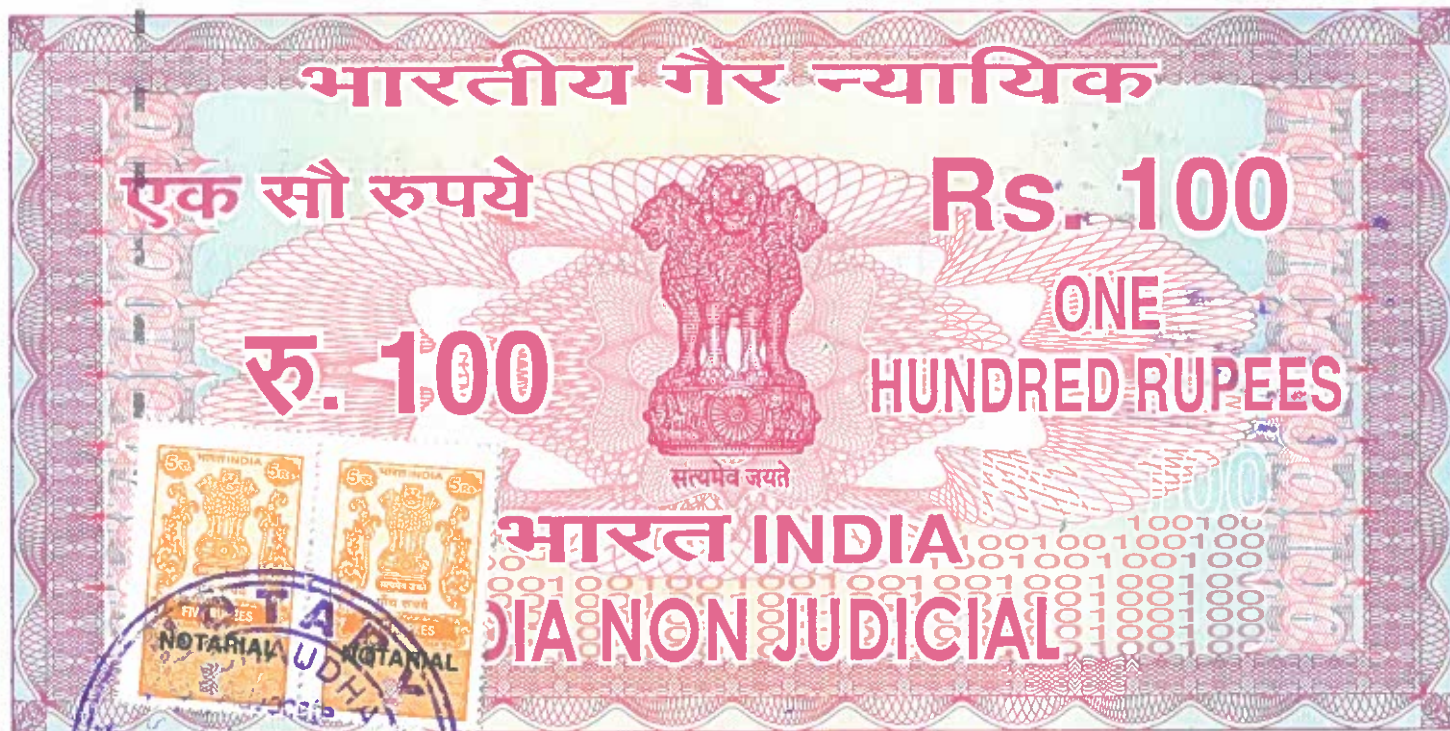
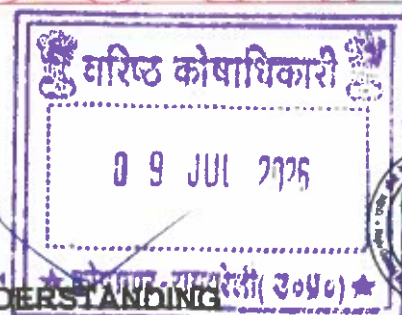




उत्तर प्रदेश UTTAR PRADESH



सीएसआईआर-एम्प्री
CSIR-AMPRI



GY 452128

MEMORANDUM OF UNDERSTANDING

CL.1 THE MoU

CL.1.1 THIS AGREEMENT made and entered into on between CSIR-Advanced Materials and Processes Research Institute (Council of Scientific & 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) having its Office at Habibganj Naka, Bhopal-462026 (hereinafter called CSIR-AMPRI which expression shall where the context so admits include its successors and permitted assigns) of the one part,

And

CL. 1.2 Rajiv Gandhi Institute of Petroleum Technology, an Institution of National Importance, incorporated through an Act of Parliament, namely "Rajiv Gandhi Institute of Petroleum Technology Act 2007" located at Jais, State of Uttar Pradesh (UP), with two more campuses, one at Bengaluru and one at Sivasagar Assam (hereinafter referred to as "RGIPT"), which expression unless repugnant to the context shall mean and include its successors and permitted assigns, of the **OTHER PART**



NOTARY

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Hereinafter, CSIR-AMPRI and RGIPT collectively to be referred to as "parties".

CL.2 PREAMBLE

CSIR - AMPRI and RGIPT have realised the need for a close linkage in terms of research and academic activities. In compliance to this idea, both have agreed to sign a Memorandum of Understanding (MoU).

CL.3 GENERAL

CL.3.1 CSIR–Advanced Materials and Processes Research Institute (CSIR-AMPRI), a multi-disciplinary Materials sciences basic and applied R&D programs in several strategically important areas of lightweight materials & composites, sustainable construction materials, intelligent materials & devices, functional materials & composites, energy & environmental solutions, innovative materials & processes, radiation shielding materials, etc.

WHEREAS, RGIPT is established, along the lines of IITs, with the objective to provide world-class education, training, and research to roll out efficient human resources to meet the growing requirements of the Petroleum & Energy sector. RGIPT is co-promoted by six leading Oil & Gas Public Sector Units (ONGC, IOCL, OIL, GAIL, BPCL, and HPCL) in association with the OI DB.

CL.3.2 CSIR – AMPRI and RGIPT Faculty/Scientists / Technical staff/researchers will work towards joint research projects. Thereby, CSIR–AMPRI & RGIPT mutually agreed to use leading research facilities developed/ to be developed at CSIR-AMPRI and RGIPT. Seminars/Symposiums/Conferences/Workshops shall be organized jointly.

CL.3.3 The Faculty/ Scientists/Technical staff and Researchers of the organizations mentioned above shall be allowed to use the library of CSIR-AMPRI & RGIPT, subject to the prior permission of the Competent Authority of their respective organizations.

CL.3.4 The Scientists of CSIR-AMPRI shall be associated as Guide and Co-guide subject to fulfilling the requirements of both organizations. Faculty of the RGIPT shall be considered as experts in the various activities of CSIR-AMPRI. The guide will be from the organization where students undertake major lab facilities.



Milans Kumar
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CL.4 ACADEMIC AND DEVELOPMENT PROGRAMMES

CL.4.1 For the mutual benefit of the two organizations, i.e., CSIR-AMPRI and RGPT, there will be an exchange of CSIR-AMPRI and RGPT Faculty/Scientists/Students and technical members of the mentioned organization for research and academic purposes.

CL.4.2 The mutual areas of interest will include (but are not limited to) computational materials science, additive manufacturing and AM process parameter optimization with indigenous powder, Graphene and 2D materials, Metal-Polymer composites, thin films, Synthesis and Characterization of metallic foam, High strain rate testing, Design of foam and foam filled structures for various applications: Blast, Impact, and EMI shielding, Metal matrix, and Ceramic matrix composites, Aluminum, Magnesium Cast Composites, High Entropy Alloy and Foam, Metal Hollow Spheres based Foam material, Coatings on metallic surface, Various types of material processing, Structure-Property correlation, Nanomaterials, Energy Materials and Devices, Metal Joining, Super-plasticity in Alloys and Metallic glasses, interphase boundary assessment, Cavity nucleation, growth and coalescence, Modeling & Simulation of Metallurgical processes and fluid flow in porous media, Multi-scale modelling, micro-structure modelling, alloy design, Fatigue and Fracture Mechanics based studies, Ductile and Brittle fracture, Modelling of Materials, processes and Component behaviour, Multi-layered Composites, Processing of multi-component alloys like Magnetic Shape Memory alloys, Industrial waste valorization & value addition, Environmental monitoring studies, Biosensors and biomaterials, Energy storage materials & devices, and Bamboo composites & structures and any other areas of mutual interest to be decided by the parties.

CL.4.3 CSIR-AMPRI and RGPT Faculty/ Scientists/ technical staff/researchers will help each other prepare common research programs.

CL.4.4 CSIR-AMPRI and RGPT will work closely to generate appropriately trained manpower in the related areas through the organization of formal academic curricula, symposia, short-term training courses etc.

CL.4.5 CSIR-AMPRI and RGPT shall undertake Skill development activities in fields like high-end scientific instruments, web-enabled communication systems, mutual Interest in things, and other skills coming under the 'Make in India' program of the Government of India.



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[Signature]



CL.4.6 Honorarium, TA/DA (if applicable) will be provided to the Faculty/Scientists/ technical staff/researchers of RGIPT and CSIR-AMPRI as per the rule by requesting organizations.

CL 4.7 Research students / Scientists working at CSIR-AMPRI may register for Ph.D. degree to be awarded by RGIPT in accordance with RGIPT norms. The external supervisor will be a scientist of CSIR-AMPRI, Bhopal who will be at the level of Senior Scientist/ Principal Scientist and above. A list of scientists along with their resumes will be provided by CSIR-AMPRI to obtain formal approval from the appropriate academic body of RGIPT. A faculty member of RGIPT will be the internal supervisor for the student/ candidate.

CL.5 FINANCIAL ARRANGEMENT

CL.5.1 Financial arrangement for each program or activity will be negotiated and sanctioned by both parties subject to availability of funds and the approval of the competent authorities of CSIR-AMPRI and RGIPT.

CL.6 DURATION OF MoU

CL.6.1 This MoU shall be valid for a period of 60 months (5 years) from the date of its signature. The duration may be extended with the consent of both the parties under mutually agreed terms and conditions.

CL.6.2 It is further agreed that the Director, CSIR-AMPRI and Director, RGIPT, through periodic meetings will monitor the progress of this MoU. Any change/ modification/termination as introduced/suggested by the Review Committee (comprising of Director, CSIR-AMPRI and Director, RGIPT) will be binding on both the organizations.

CL.7 FORCE MAJEURE

CL. 7.1 Both the parties shall have no liability in respect of any delay in carrying out the activities or failure to carry out the activities under this MoU caused due to any act



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[Signature]



of government, or any circumstances outside the reasonable control of parties hereto.

CL.8 INTELLECTUAL PROPERTY RIGHTS SHARING/ PUBLICATIONS

CL 8.1 Background IP: The parties recognize and acknowledge that the ownership of the Background IP belonging to each party will exclusively belong to that party.

CL 8.2 Any recommendation, report, results, data, research, technology, or other intellectual property ("results") arising out of the joint effort of the parties and that prima facie seem patentable or warrant such other IP protection, each party agrees and undertakes to jointly own and protect such IP with the other, naming only those individuals as inventors therein, who contributed to the inventing or creative process. Costs and revenue sharing in respect of filing, prosecution, marketing and commercialization of such IP shall be covered in a separate agreement for the purpose, at a later stage.

CL 8.3 The parties will mutually agree upon publication if any, keeping in mind the confidentiality and potential patent rights.

CL 8.4 Any research paper created with the joint efforts of the CSIR-AMPRI and RGIPT shall be published in joint names, and any research paper created by the sole effort of one party shall be published in the sole name of the respective party.

CI.9 INDEMNIFICATION

CI. 9.1 Each party shall indemnify or keep indemnified the other party for any loss, costs and expenses caused to the other party due to the negligence, mishandling, application of less technical support or any other reason whatsoever.

CL.10 DISPUTE RESOLUTION

CI. 10.1 Any and all disagreements/differences/disputes arising hereunder shall be resolved amicably by the designated senior executives/ officers of both Parties. Further, unresolved disputes, if any, shall be referred to the Delhi International Arbitration Centre (DIAC), Delhi High Court, New Delhi. The award of arbitrator



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

CL.11 TERMINATION

CL.11.1 Either Institution may terminate the MoU by giving written notice to the other Institution by specifying a date. Once terminated neither by Party will be responsible for any losses, financial or otherwise, which the other Institution may suffer. However, RGIPT and CSIR-AMPRI will ensure that all the activities in progress are allowed to complete successfully and make their own individual arrangements to complete the unfinished business, if any without any claim against each other.

SEAL of PARTIES

IN WITNESS WHEREOF the parties hereto have signed this agreement of understanding the day, month and year as mentioned herein before.

For and On behalf of CSIR-AMPRI

For and on behalf of RGIPT

Signature : T. Bhaskar

Name : _____

Designation: _____

Seal : _____

Signature : [Signature]

Name : _____

Designation: _____

Seal : _____

Witnesses : (Name & Address)

1. Hemant Shukla [Signature]

Date : 24/09/2026

2. Sandeep Singha [Signature]

Date : 24/09/2026

Witnesses : (Name & Address)

1. Milan Kumar Dr. Milan Kumar
Dean, R&D

Date : _____

2. डॉ० मिलन कुमार
Dr. Milan Kumar
अधिष्ठाता, अनुसंधान एवं विकास
Dean, Research & Development
आरजीआईपीटी, जायस, अमेठी
RGIPT, Jais, Amethi

Date : _____

