

MEMORANDUM OF UNDERSTANDING

BETWEEN

MANIPAL UNIVERSITY
JAIPUR

AND

CSIR-INDIAN INSTITUTE OF PETROLEUM
DEHRADUN

[Handwritten signature]

PREAMBLE

WHEREAS, CSIR- Indian Institute of Petroleum, (CSIR-IIP) Dehradun, a constituent laboratory of Council of Scientific & Industrial Research, is engaged in research, design and development and consultancy in the field of Chemical Engineering including Petroleum, Petrochemicals, Natural Gas, Mechanical Engineering including Automotive Engineering, Application of Fuel and Lubricants, Fuel Quality, Engine Emission, Alternative Fuels, Engine Testing and related fields.

Whereas, Manipal University, Jaipur (MUJ) has a world class infrastructure; including state-of-the-art research facilities and modern library. The university uses the latest and innovative methods and technology to impart education. The multidisciplinary university offers career-oriented courses at all levels, i.e., UG, PG and Doctoral and across diverse streams, including Engineering, Architecture, Management, Communication, Basic Sciences, etc.

WHEREAS, both CSIR-IIP and MUJ, now

- Recognizing the importance of research and development in the areas of Chemical Engineering, Catalysis, Fuels, Combustion, Tribology, etc.
- Appreciating the need for creation of large reservoir of highly qualified manpower in all fields related to Chemical Engineering including Petroleum, Petrochemicals and Natural Gas, Mechanical Engineering including Automotive Engineering, Application of Fuel and Lubricants, Fuel Quality, Engine Emission, Alternative Fuels, Engine Testing and related fields.
- Desiring to club their efforts by pooling their expertise and resources,

INTEND to form a nucleus for promoting excellent quality manpower in the fields of engineering, technology and science with special emphasis on Chemical Engineering, Petroleum Refining, Petrochemicals, Fuels & Lubricants, Application of Fuel and Lubricants, Fuel Quality, Engine Emission, Alternative Fuels and related fields etc.

NOW, THEREFORE, in consideration of the mutual promises made herein and of good and valuable consideration, the receipt and sufficiency of which both CSIR-IIP and MUJ hereby acknowledge, CSIR-IIP and MUJ hereby agree to sign a memorandum of understanding (MOU).

— .K. —

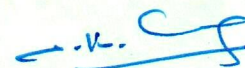
ARTICLE-I: SCOPE OF THE MOU

This MOU details the modalities and general conditions regarding collaboration between CSIR-IIP and MUJ for enhancing, within the country, the availability of highly qualified manpower in the area of Chemical Engineering without any prejudice to prevailing rules and regulations in CSIR-IIP and MUJ and without any disregard to any mechanism evolved and approved by the competent authorities under Govt. of India in so far as such mechanism applies to CSIR-IIP and MUJ. The areas of cooperation can be extended through mutual consent.

ARTICLE-II: SCOPE OF ACADEMIC INTERACTION

Both CSIR-IIP and MUJ shall encourage interaction between the Scientists, Research fellows, faculty members and students of both the organizations through the following arrangements:

- a) Exchange of personnel through deputation for limited periods as mutually agreed upon;
- b) Organization of joint conferences and seminars;
- c) Expert lectures from scientists of CSIR-IIP and vice-versa;
- d) Practical training of MUJ students at CSIR-IIP;
- e) Joint guidance of student projects/thesis in Chemical Engineering and other areas of national interest at MUJ by CSIR-IIP on mutually agreeable terms as listed below :
 - i) The students will be allotted a Research supervisor from MUJ faculty. A Research Scientist at CSIR-IIP may be appointed a Co-research guide for a student Registered for Ph.D/ M.Tech (By research) degree at MUJ.
 - ii) The students will carry out their Ph.D. research work or M.Tech/B.Tech project at CSIR-IIP and MUJ depending on facilities and requirements.
 - iii) CSIR-IIP personnel, as well as research scholars, may also be allowed to enroll for their Ph D/M.Tech (By Research) at MUJ, subject to availability of seats, research facilities and subject to their fulfilling eligibility criteria and all other academic regulations of MUJ.
 - iv) There will be no restrictions on the contents of the thesis and on publication of results of the thesis, subject to the condition that no Intellectual Property Rights can be secured for any part of the work which will be decided with mutual consent.
 - v) Both CSIR-IIP and MUJ will be free to independently carry out follow-up research on the thesis work conducted under this scheme.



- vi) If the outcome of a project related to product development, Process, technology and design etc. which involves matter of secrecy and concern with security of the State and Country the same will not be allowed for publication/printing in any form such as Electronically/ verbal etc. If the outcome of a project results into an intellectual property, for which rights can be secured, it will be decided on case to case basis. Similarly, sharing of expenditure in securing such rights and income accrued through royalty etc by the parties under the law will be decided on case to case basis after mutual consultation.
- vii) Research supervisors from both the Institutes will be the corresponding authors in any publication resulting from the collaborative work. All the efforts put by the student/s as a part of this MoU will be accounted for by way of reporting the work in thesis and/or paper publication except the part for which IPR needs be claimed.
- viii) Neither of the supervisors will publish the work carried out under this MoU without knowledge of the other.

ARTICLE-III : SHARING OF FACILITIES

- a) CSIR-IIP and MUJ shall make provisions to share their respective important R&D facilities in order to promote academic and research interaction in the areas of cooperation.
- b) CSIR-IIP and MUJ shall permit the exchange of software and other materials and components developed in-house in the areas of cooperation, if permissible within the rules governing the two institutions.
- c) CSIR-IIP and MUJ shall provide access to the library facilities to scientists, members of faculty and students as per the prevailing rules and norms in the respective institutes.

ARTICLE-IV: CO-ORDINATION OF THE PROGRAMME INCLUDING FINANCIAL ARRANGEMENTS

- a) The collaborative programme between CSIR-IIP and MUJ shall be coordinated by a coordination committee appointed by Director/Vice-chancellor of both the Institute and University.
- b) Financial arrangements for each specific collaboration will be decided on a case-to-case basis and brought on record in each case after due approval from Director/ Vice-chancellor of both the Institute and University.



ARTICLE-V: EFFECTIVE DATE AND DURATION OF MOU

- a) This MOU shall be effective from the date of its approval by competent authorities at both ends.
- b) The duration of the MOU shall be for a period of 3 years from the effective date.
- c) During its tenancy, the MOU may be extended or terminated by a prior notice of not less than six months by either party. However, termination of the MOU will not in any manner affect the interests of the students/faculty/scientists who have been admitted to pursue a programme under the MOU.
- d) Any clause or article of the MOU may be modified or amended by mutual agreement of CSIR-IIP and MUJ.

ARTICLE-VI: IPR

Rights regarding publications, patents, royalty, ownership of software/design/product developed etc. under the scope of this MOU, shall be decided by the two parties by mutual consent.

ARTICLE-VII: CONFIDENTIALITY

During the tenure of the MOU both CSIR-IIP and MUJ will maintain strict confidentiality and prevent disclosure of all the information and data exchanged under the scope of this MOU for any purpose other than in accordance with this MOU.

Both CSIR-IIP and MUJ shall bind their respective personnel who come into possession or knowledge of any confidential information not to disclose the same to third parties without written approval of the disclosing party or use such confidential information for any use other than intended under this MOU.

Further both CSIR-IIP and MUJ shall put in place adequate and reasonable measures to keep and store confidential information secure so as to prevent any unauthorized use.

CONFIDENTIAL INFORMATION shall mean any proprietary information, data or facts belonging to PARTIES collectively or severally, disclosed by the disclosing party under this MOU or any subsequent MOU, whether in writing, verbal or electronically, irrespective of the medium in which such information is stored, which is marked confidential or with any other words having similar meaning by the disclosing party, or specifically agreed to be kept confidential by the parties, or declared or identified so by the disclosing party before such disclosure or during the discussions. However confidential information shall not include any data or information which (a) is or becomes publicly available through no fault of the receiving party, (b) is already in the rightful possession of the receiving party prior to its receipt of such data or information;

(c) independently developed by the receiving party without reference to the confidential information of the disclosing party (d) is rightfully obtained by the receiving party from a third party or is in the public domain (e) is disclosed with the written consent of the party whose information it is, or (f) is disclosed pursuant to court order or other legal compulsion, after providing prior notice to the disclosing party.

ARTICLE-VIII: AMENDMENTS

Any amendment and/or addenda to the MOU shall be in writing and signed by the PARTIES hereto and shall only after such execution be deemed to form part of the MOU and have the effect of modifying the MOU to the extent required by such amendment or addenda.

ARTICLE-IX: RESOLUTION OF DISPUTES

- a) This MOU shall take effect and be construed in accordance with the Laws of India and be subject to the jurisdiction of the courts at New Delhi.
- b) The dispute or difference whatsoever arises between PARTIES in relation to or in connection with this MOU both the parties shall first try to resolve the dispute/difference amicably between themselves, failing which the matter shall be referred to and settled through arbitration. The arbitration proceedings shall be held in accordance with the provision of Indian Arbitration and Reconciliation ACT, 1996. The venue of arbitration shall be New Delhi and Language of arbitration shall be English.

ARTICLE-X: MISCELLANEOUS

- a) The headings and sub-headings are inserted for convenience only and shall not affect the construction of this MOU.
- b) Both CSIR-IIP an MUJ shall not, during the term of this MOU directly or indirectly, solicit or offer employment or engagement to any of the personnel of other party without the previous consent in writing of that other party.
- c) No failure to exercise and no delay in exercising, on the part of a Party, and right, remedy, power or privilege hereunder shall operate as a waiver thereof, nor shall any single or partial exercise of any right, remedy, power or privilege hereunder preclude any other or further exercise thereof or the exercise of any other right, remedy, power or privilege. The rights, remedies, power and privileges herein provided are cumulative and not exclusive of any right, remedies, powers and privileges provided by law.
- d) After this MOU has been signed, all preceding understandings/ negotiations and correspondence pertaining to it shall become null and void.

IN WITNESS WHEREOF PARTIES HERE TO HAVE ENTERED INTO THIS MOU EFFECTIVE AS ON THE DATE AND YEAR FIRST WRITTEN ABOVE.

RAMKULS

Director
CSIR - IIP
Dehradun

Vsunag

Registrar
MUJ
Jaipur

S.K. Singh
11 Aug 2016

Advisor, IP
MUJ
Jaipur

Witness

1 S.M. Nanot
(Dr. S.M. Nanot)

2 Atul Ranjan
(Dr. ATUL RANJAN)

Date 29.08.2016

Witness

1 Dr. Deepshikha
11 Aug 16

2 NBS Rathore
11/8/16

Date