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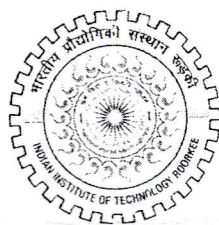
MEMORANDUM OF UNDERSTANDING

**FOR COLLABORATION
IN RESEARCH TEACHING AND TRAINING
BETWEEN**



**ICAR-CIRC- CENTRAL
INSTITUTE FOR RESEARCH
ON CATTLE, MEERUT
(UTTAR PRADESH)**

AND



**INDIAN INSTITUTE OF
TECHNOLOGY, ROORKEE**

**MEMORANDUM OF UNDERSTANDING
FOR COLLABORATION IN RESEARCH TEACHING AND TRAINING
BETWEEN ICAR-CIRC- CENTRAL INSTITUTE OF RESEARCH ON CATTLE
AND INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE**

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PREAMBLE

The ICAR-CIRC- CENTRAL INSTITUTE FOR RESEARCH ON CATTLE, Meerut, UP (hereinafter referred to as ICAR- CIRC, and the expression shall include all its present and future Units) is a national institute established by the Indian Council of Agricultural Research (ICAR) and has a scientific staff/positions with specialization in Animal Genetics & Breeding, Animal Biotechnology, Vety. Medicine, Vety. Microbiology, Vety. Physiology, Animal Reproduction, Animal Nutrition and Livestock Production Management. These Scientists are well trained in their field in India/abroad. The Centre has well equipped laboratories having most modern scientific instruments/facilities. The Centre has excellent physical and technical facilities for doing research on cattle. The ICAR-CIRC is also conducting extension activities, all over India.

The INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE, Uttarakhand (hereinafter referred to as IITR), is among the foremost of Institutes of National Importance in higher technological education in engineering, basic and applied research. Since its establishment, the Institute has played a vital role in providing the technical manpower and know-how to the country and in pursuit of research, acting through **Director**, which expression shall, unless repugnant to the context, include its successor, administrators, assigns or legal representatives.

Considering these factors and the mutual interest ICAR-CIRC and IITR extended hands for collaborative efforts with each other under a MoU.

Understanding the scope of collaborative participation in various programmes to be mutually agreeable in future, the IITR and the ICAR-CIRC sign this Memorandum of Understanding (MoU) for jointly undertaking various programmes, in the field of cattle biology, with the following terms and conditions and agree to carry out their respective responsibility as detailed in the MoU.

ARTICLE-I

The Parties, hereby, agree to promote the development of cooperation with their responsibilities as under:

ICAR-CIRC and IITR shall encourage interaction between the Scientists and faculty members as well as students through the following arrangements.

- a) Exchange of personnel for limited periods as mutually agreed upon
- b) Organization of joint conferences and seminars.
- c) Practical training of IITR students at ICAR-CIRC, Meerut.
- d) Any Scientist of ICAR-CIRC fulfilling the qualification/requirement as such for a Member of Advisory Committee of M.Sc. /PhD students as prescribed in IITR can act as the Member of advisory committee.
- e) Participation of ICAR-CIRC Experts in IITR programs and events as well as participation of Faculty and Students of IITR to participate in research programs

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and events of ICAR-CIRC based on mutual agreement and approvals of both organizations as appropriate.

- f) Initiation of collaborative research and submission of joint project proposals by ICAR-CIRC and IITR to external funding as Institutional funded projects
- g) The activity under this MoU between ICAR-CIRC and IITR shall be coordinated by a coordinator from each organization respectively.
- h) Financial arrangements for each specific activity will be decided on case-to-case basis required subject to approval by each organization.

ARTICLE-II

IITR and the ICAR-CIRC, Meerut, may name any member of their staff to develop suitable work plan of the any collaborative area.

ARTICLE-III

Intellectual property, research publications and benefits arising out of commercialization of technologies generated out of co-operation under this agreement shall be jointly owned/shared by IITR and ICAR-CIRC.

The cost towards filling IP and its maintenance will be shared between both the parties.

ARTICLE-IV

A joint-follow up committee will be set up with representatives from both parties to meet periodically to follow up the execution of this MoU and suggest necessary measures for its development. Corresponding Institute will nominate the representative to work in a joint follow-up committee.

ARTICLE-V

The parties to this MoU may, by mutual consent, add, modify, amend or delete any word, phrase, sentence, or article in this MoU at any time during the operation of MoU.

ARTICLE-VI

The MoU shall be effective from the date of its signing by both the parties and shall remain in operation for five years or until either party serves notice on the other of its intention to terminate it, in which event; the MoU shall stand terminated at the end of one calendar month from the date of issue of such a notice.

ARTICLE-VII

The parties would act strictly according to the relevant provisions of law while implementing this MoU. In case of any dispute that may crop up during execution of MoU the matter would be settled through arbitration by referring it to a committee jointly appointed by both parties.

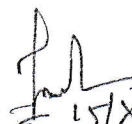
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IN WITNESS WHEREOF, the two parties here into signed this memorandum of Understanding on the dates indicated below:-

Signatories of MoU:

The Dean, SRIC
Indian Institute of Technology Roorkee


The Director,
ICAR-CIRC- Central Institute for Research on Cattle,
Meerut (Uttar Pradesh)


(N.V. Patil)

Director
Signature & Seal
ICAR-CIRC- Central Institute For
Research On Cattle,
Meerut (Uttar Pradesh)

निदेशक
Director
केन्द्रीय गोवंश अनुसंधान संस्थान
Central Institute For Research On Cattle

ग्राम फार्म रोड, मेरठ कैंट।
(Witness ITR: d, Meerut Cantt.)


(...07 Oct 2019...)

Dean, SRIC
Signature & Seal
Indian Institute of Technology
Roorkee
(Uttarakhand)

Dean
Sponsored Research & Industrial Consultancy
Indian Institute of Technology Roorkee
Roorkee-247 667 (INDIA)

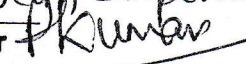
1) Name:

PRAVINDRA KUMAR

Designation:

PROFESSOR & ASSOC. Dean corporate interactions

Signature & Seal


Dr. Pravindra Kumar
Professor
Department of Biotechnology
Indian Institute of Technology Roorkee
Roorkee - 247 667, Uttarakhand (India)

Witness ICAR-CIRC:

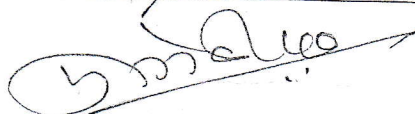
1) Name:

Prasenjit Singh

Designation:

Principal Scientist (ICAR-C.I.R.C. Meerut)

Signature & Seal



डा. प्रमोद सिंह
ग्रामान वैज्ञानिक (पशु पोषण)
भारतीय गोवंश अनुसंधान संस्थान, मेरठ (उ.प्र.)