

**Office of Dean (AA&IR)**  
**IIT Kharagpur**

Dt: 22<sup>nd</sup> June, 2009

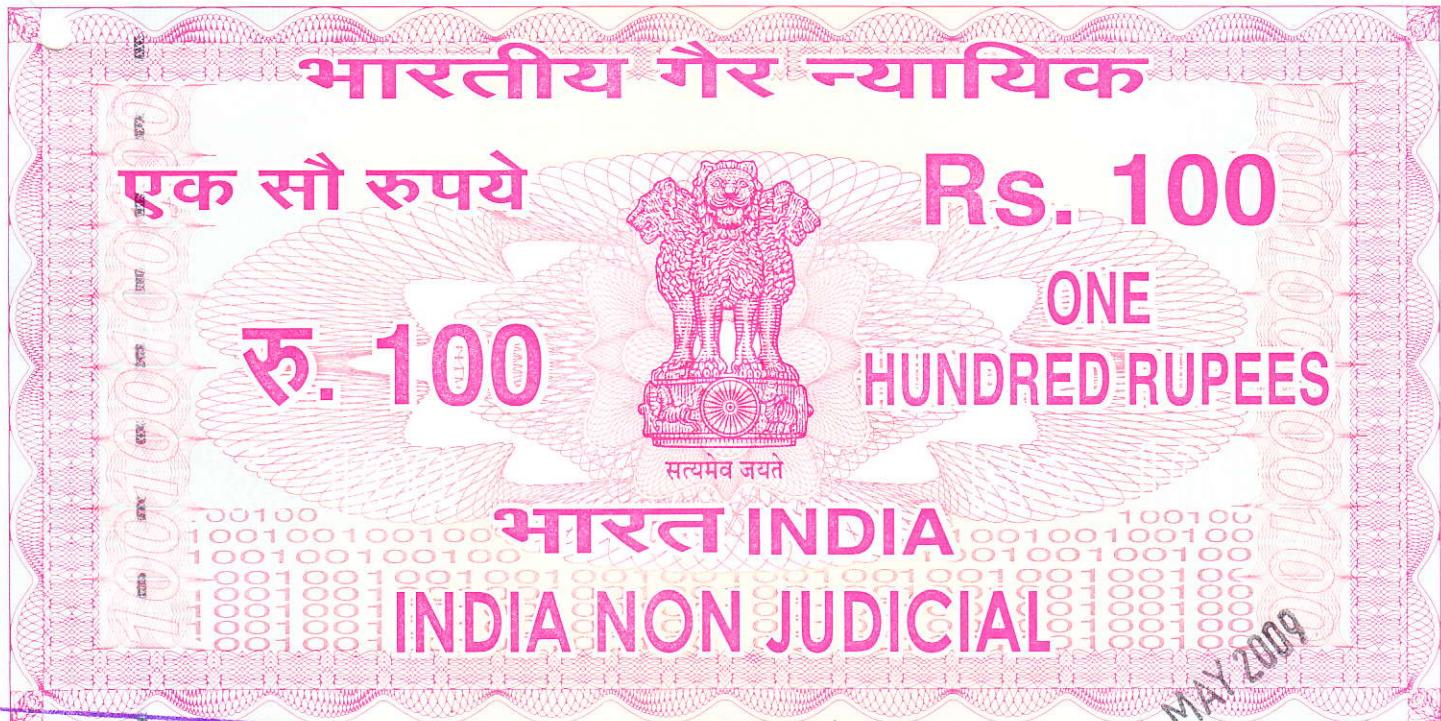
Enclosed please find a copy of the MOU between Indian Institute of Technology Kharagpur and Central Institute of Fisheries Education, Mumbai, duly signed by the Competent Authority of IIT Kharagpur & Central Institute of Fisheries Education.

Registrar may kindly take necessary action in this regard.

Encl: As stated

  
(Amit Patra)  
Dean (AA&IR)

REGISTRAR



SMT. T. S. SAWANT

## MEMORANDUM OF UNDERSTANDING

BETWEEN  
INDIAN INSTITUTE OF TECHNOLOGY, KHARAGPUR  
AND  
CENTRAL INSTITUTE OF FISHERIES EDUCATION, MUMBAI

### PROFILE OF CENTRAL INSTITUTE OF FISHERIES EDUCATION

The Central Institute of Fisheries Education, Mumbai (hereafter referred to as CIFE) is a Deemed University in fisheries under Indian Council of Agricultural Research. It offers Masters and Doctoral programme in Fisheries Science, conducts need based training programmes and undertakes research and extension activities. The specific mandate of CIFE is:

To conduct Masters and Doctoral programmes in various disciplines of fisheries science and technology, to establish centre of excellence in emerging area of fisheries science, to conduct refresher training programmes for fisheries developmental and extension personnel, to conduct basic and interdisciplinary research in fisheries, to conduct need-based capsule/vocational training on various technologies related to fisheries and allied disciplines, to provide institutional support for consultancy and participation in sponsored projects and programmes with other institutions, agencies and industries.

### PROFILE OF INDIAN INSTITUTE OF TECHNOLOGY, KHARAGPUR

Indian Institute of Technology, Kharagpur was born in 18<sup>th</sup> of August, 1951 as first of the IIT system. It has now thirty one departments and centers. It provides science and engineering education at the undergraduate level in thirty eight disciplines and at the post graduate level in more than fifty disciplines. The post graduate education in Aquacultural Engineering started in 1984 under the Agricultural & Food Engineering Department. The objective of the discipline is to provide engineering education and research in the field of fisheries and aquaculture.

## **DETAILS OF MOU**

CIFE and IIT are entering into a Memorandum of Understanding (MoU) for making the expertise and facilities existing in each institution available for both in promoting education, research, training, extension and technical guidance of common interest within the framework of charter for an initial period of three years beginning from the academic year 2008-09 till 2010-11. The broad area of co-operation anticipated and the terms of MoU are the following:

### **1. Education**

- a) IIT and CIFE will mutually record each other as one of the collaborating institutions for conducting research relating to the dissertation requirement of post graduate students and PhD scholars. Faculty members of both institutions will identify their counterpart as co-supervisors on their individual merits, specializations and in accordance with the rules and standards of individual institution, for guiding students and scholars for the postgraduate degree programmes.
- b) The students and scholars sponsored by CIFE and enrolled in IIT for their M Tech and PhD should have supervisor from IIT and co-supervisor from CIFE.
- c) The regular students and scholars enrolled with CIFE and carrying out substantial research work in IIT will have supervisor from CIFE and co-supervisor from IIT. Similarly the regular students of IIT if carrying out substantial research work at CIFE will have supervisor from IIT and the co-supervisor from CIFE. CIFE and IIT shall sanction the TA and DA of the supervisor and co-supervisor on official tour in connection with the students' research according to their affiliation after the source of fund is identified.
- d) Faculty of both institutions will generally provide research supervision at their respective places of work. However, the visit to the other institution may be made according to the need of the programme.
- e) The academic matters of students and scholars shall be governed by the academic rules and regulations of the individual institution with which they are enrolled.
- f) The faculty members of both institutions may be encouraged to deliver special lectures at the other institution by inviting them and providing them with travel expenses and local hospitality after identifying the source of funding.
- g) Each institution will provide students and scholars of the other institution technical guidance and available field and laboratory facilities for research in mutually agreed upon areas.

- h) The number of students and scholars under the collaborative programme will be based on research agenda of individual institutions and availability of faculty member's time to guide such scholars.
- i) Any publication(s) resulting from joint research must be processed jointly by the faculty members of IIT and CIFE and publication norms followed for students' research at CIFE and IIT shall be followed.
- j) Exchange of students between two institutions will be promoted on short term basis to make them aware of the on going progress in research and development. The period of such exchange programme may be up to three weeks.
- k) Both institutions will exchange scientific and technological information of value for research work undertaken by the students of both institutions.

## **II. Research**

- a) Faculties of both institutions should be encouraged to submit joint research project proposal to funding organizations indicating components of work to be done by each institution and individual fund requirement.
- b) The joint research programmes will be facilitated by way of infrastructure and local facilities mutually agreed upon by both the institutes.

## **III. Workshops, Short term courses, Training and Extension.**

- a) Faculties of both institutions should be encouraged to organize demand driven short term courses, training and extension activities jointly. Some of the areas in which such programmes may be organized are:
  - i) Training and demonstration on farming practices for carps, catfishes, fresh water prawns, shrimps and crabs.
  - ii) Training and demonstration on "operation and management of freshwater prawn hatchery" and "Carp hatchery".
- b) Faculty of both institutions will deliver lectures on the priority areas of fisheries research and development.

## **ARTICLE-1**

- a) The output of joint research may be used by either or both the parties, with the recognition of each party's contribution.
- b) Any patent arising out of joint research will be jointly filed by both the institutions.

- c) The Director, CIFE and the Director, IIT will be jointly responsible for working out operational details of the MoU between the two organizations and ensure the proper and effective implementation of the MoU.
- d) Both CIFE and IIT may add, modify and amend or delete any part of this agreement by mutual consent and understanding of the signing authorities.

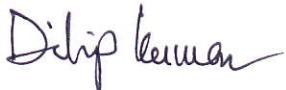
## ARTICLE -II

The agreement will be in effect for a period of three (3) years from the academic years 2008-09 to 2010-11 after which it may be reviewed for possible extension. Either party may terminate the agreement by written notification signed by the appropriate official of the institution initiating the notice. Such notice must be received by the other party thirty (30) days prior to the effective termination date. However, the students who will have started their project works in the other institute shall be allowed to continue till completion of their projects.

In case of any dispute arising out of the MoU between the parties, the same shall be referred to the two arbitrators one each to be appointed by the Director, CIFE, and Director, IIT. Incase of difference of opinion between the arbitrators before entering on the reference, and the decisions of such arbitrators or umpire, as the case may be shall be final and binding on both parties.

In witness whereof, the parties caused this instrument to be executed as on

21 May 2009

  
**Dilip Kumar**

**(DILIP KUMAR)**

**Director**

**Central Institute of Fisheries Education  
Seven Bungalows, Andheri (W)  
Mumbai – 400061, Maharashtra**

  
**Madhusudan Chakraborty**

**(MADHUSUDAN CHAKRABORTY)**

**Director – Actg.**

**Indian Institute of Technology  
Kharagpur – 721 302, West Bengal**