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Receipt Date : 28-May-2024 06:45:58 pm

Receipt Amount : 100/-

Amount In Words : One Hundred Rupees Only

Document Type : Bond

District Name : Bokaro

Stamp Duty Paid By : DR PRIYADARSHI JARUHAR DIRECTOR
GGSESTC BOKARO

Purpose of stamp duty paid : MEMORANDUM OF UNDERSTANDING

First Party Name : DR PRIYADARSHI JARUHAR DIRECTOR
GGSESTC BOKARO

Second Party Name : DIRECTOR CSIR IIAB RANCHI

GRN Number : 2402298098

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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।

MEMORANDUM OF UNDERSTANDING
(MoU)

BETWEEN



ICAR-INDIAN INSTITUTE OF
AGRICULTURAL
BIOTECHNOLOGY, RANCHI,
JHARKHAND, (INDIA)



AND



GURU GOBIND SINGH EDUCATIONAL
SOCIETY'S
TECHNICAL CAMPUS
CHAS, BOKARO, JHARKHAND

Rajesh

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MEMORANDUM OF UNDERSTANDING

This Memorandum of understanding (hereinafter called as the 'MoU') entered into on this the.....day of

BETWEEN

Guru Gobind Singh Educational Society's Technical Campus, Chas, Bokaro, Jharkhand represented herein by its Director **Dr. Priyadarshi Jaruhar** (hereinafter referred as "GGSESTC", the Institution which expression, unless excluded by or repugnant to the subject or context shall include its successors -in- office, administrators and assignees).

AND

ICAR-Indian Institute of Agricultural Biotechnology (IIAB), Ranchi, Jharkhand herein by its Director, **Dr. Sujay Rakshit** (Hereinafter referred to as "ICAR-Indian Institute of Agricultural Biotechnology (IIAB)", Ranchi, Jharkhand, authority which expression, unless excluded by or repugnant to the subject or context shall include its successors- in-office, administrators and assignees).

GGSESTC and ICAR-Indian Institute of Agricultural Biotechnology (IIAB), Ranchi, Jharkhand are individually referred to as "Party" and collectively as the "Parties".

I. BACKGROUND

- † GGSESTC, Kandra, chas, Bokaro is a college of engineering & management founded in 2011 by Guru Gobind Singh Educational Society. The College is affiliated to JUT, Ranchi and offers branches in Mechanical, Civil, Computer Science, Electronics & Communication and Electrical & Electronics engineering. The MBA program offers three specializations, Marketing, Finance and HR. The college also offers BBA and BCA Courses.

The serene campus of the college is located at NH-32 in Chas, Bokaro district of Jharkhand, towards Purulia.

✦ ICAR-Indian Institute of Agricultural Biotechnology (IIAB), Ranchi, Jharkhand, established under the Indian Council of Agricultural Research (ICAR) is a national institute for agricultural biotechnology, which envisages harnessing the immense potential of the advanced technologies in all aspects of agricultural biotechnology for enhancing the agricultural productivity and growth of the country. The chief mandate of the institute is basic and strategic research in agricultural biotechnology and imparting excellence in academics through improving the quality human resource. The institute works at the interface of plant, animal, fish and microbial biotechnology while integrating high-quality basic and applied research as well as conducts teaching and training programmes at master, doctoral and post doctoral levels in all these frontier areas of agricultural biotechnology to form the mission of the institute. ICAR-IIAB aims to enhance agricultural development of the country at a revolutionary pace, through application of modern scientific tools and techniques for cutting-edge research in the field of agricultural biotechnology. Development of molecular diagnostics for identification of diseases in plants, animals and fish and prophylactic measures for their management as well as generation, management and analysis of biological resources such as high throughput genomic/sequence data of biological organisms also are areas of research activities of the institute. Nanotechnology and its immense potential to develop detection systems for pests, and for nano-delivery of pesticides, vaccines, nutrients or hormones and genes, shall be explored. The institute shall also provide technical support and service in terms of tools, techniques and protocols in biotechnology, sequencing, bioinformatics, database management, safety studies, products and knowledge, thereby serving as a biotech hub under the



National Agricultural Research and Education System (NARES). The institute has shifted to its new sprawling campus located at Garhkhatanga, on Ranchi Ring Road during 2021.

- ✦ GGSESTC, Kandra, chas, and ICAR-Indian Institute of Agricultural Biotechnology (IIAB), Ranchi, Jharkhand, believe that close co-operation between the two would be of major benefit to the industrial society and academic community to enhance their competitiveness and productivity.
- ✦ The faculty members and budding graduates from both parties could play a key role in the various projects taken up by ICAR-Indian Institute of Agricultural Biotechnology (IIAB), Ranchi, Jharkhand and GGSESTC, Kandra, Chas can make more effective use of their knowledge and skills.
- ✦ Any publication coming out through this mutual co-operation due credit in authorship of/from ICAR-Indian Institute of Agricultural Biotechnology (IIAB), Ranchi, Jharkhand and GGSESTC, Kandra, chas, Bokaro and their acknowledgement will be given.
- ✦ Faculty members of both parties will help in academic programmes of each other as need may arise
- ✦ Any Intellectual property generated and benefit from commercialization of intellectual properties/ technological through this mutual co-operation will be jointly shared (on equal basis) by both parties.
- ✦ Both parties intend to cooperate and support each other to fulfil their objectives. The students of both parties will gain benefits by availing various learning opportunities under different initiatives of respective parties



- ‡ Both GGSESTC, Kandra, chas, Bokaro and ICAR-Indian Institute of Agricultural Biotechnology (IIAB), Ranchi, Jharkhand, being legal entities in themselves desire to sign this MOU for advancing their mutual interests.

II. Purpose & scope:

The purpose of the MOU is to clearly identify the intentions of both parties and to form a potential relationship in the future for working towards mass adoption of innovation in agricultural biotechnology.

III. Forms of Co-operation:

Within such fields as are mutually acceptable for the Parties, the following forms of co-operation, amongst others, may be pursued hereunder:

- a) Participation in respective academic programmes as need may arise,
- b) Sharing and development of relevant strategies,
- c) Mapping connections and priorities,
- d) Identification of opportunities for mutual use of facilities,
- e) Evaluating the benefit of collaboration,
- f) Collaborate for projects utilizing research methodology, signposting to research and expertise through analysis of the existing portfolio and identification of leading groups in areas of interest to both parties.
- g) Exploring joint funding for research & development projects on mutual interest.

IV. Specific Co-operation Projects:

Specific co-operation projects, for instance, development of suitable the field of agriculture, agricultural biotechnology and imparting excellence in academics through improving the quality human resource. Outcome based joint research projects.

V. Confidentiality clause

Both the Parties will not share any confidential information to any third party.

VI. Funding

This MOU is non-financial in its present form. This clause may be revised in future with mutual discussion by ICAR-Indian Institute of Agricultural



Biotechnology (IIAB), Ranchi, Jharkhand, subject to terms and conditions based on the delivery of results.

VII. Monitoring mechanism

Both the Parties will meet as often as possible in order to evaluate matters regarding the implementation of this MOU.

VIII. Financial Arrangements

Both Parties understand that all financial arrangements between the Parties have to be further negotiated and mutually agreed and will depend on the availability of funds. Both parties may seek financing of joint activities from internal and external sources available to them.

IX. Legal Relationship

This MoU shall be construed as a statement of purpose to promote a genuine and mutually beneficial collaboration between the Parties. Nothing in this MoU shall create any legal relationship between the Parties.

X. Commencement, Renewal, Termination

This MoU will be effective from the date of the last signature hereto and will remain in force for a time period of three (3) years, with a possibility for renewal at the end of the three-year-period, subject to the Parties' written agreement. Either Party may terminate this MoU by giving thirty (30) working days' notice in writing to the other Party.

This MoU has been drawn up in two (2) original copies in the English language, each Party receiving one duly signed copy hereof.



Signed on behalf of Guru Gobind
Singh Educational Society
Technical campus:

Place: Ranchi

Date: 31-5-2024

P. Jaruhar

Designated Authority

Dr. Priyadarshi Jaruhar

Director

Guru Gobind Singh Educational
Society Technical Campus



Witness

DIRECTOR
GGSESTC, Kandra, Chas
Bokaro, Jharkhand-827013

Signed on behalf of ICAR-
Indian Institute of
Agricultural Biotechnology
(IIAB), Ranchi, Jharkhand:

Place: Ranchi

Date:

Dr. Sujay Rakshit
31/5/24

Dr. Sujay Rakshit

Director, ICRA

Indian Institute of Agricultural
Biotechnology (IIAB), Ranchi,
Jharkhand

डॉ० सुजय रक्षित / Dr. Sujay Rakshit
निदेशक / Director

भाकअनुप-भारतीय कृषि जैवप्रौद्योगिक संस्थान
ICAR-INDIAN INSTITUTE OF AGRICULTURAL BIOTECHNOLOGY
राँची-834003 (झारखण्ड) / RANCHI-834003 (JHARKHAND)

P. Jaruhar

Name & Signature

Vijalpal Bhadana
31/5/24
(VIJALPAL BHADANA)
Joint Director (Res.)
Name & Signature

Rohit Verma

Name & Signature

Dr. Kishor Kumar Krishnani
31/5/24
Dr. Kishor Kumar Krishnani
Name & Signature
Joint Director (Academic)