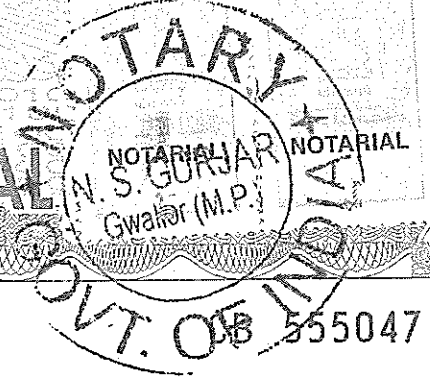
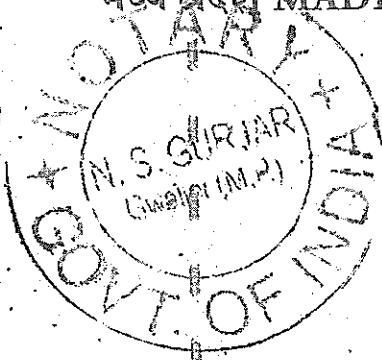


मध्य प्रदेश MADHYA PRADESH



**Memorandum of Understanding**

between

**ICAR – Indian Institute of Pulses Research, Kanpur**

and

**Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior**

for facilitating

**Students' Training/Postgraduate Research/ Collaborative Research**

This Memorandum of Understanding (hereinafter referred to as MoU) is made on this .... day of the month of 20/07/2023 in the year between **ICAR – Indian Institute of Pulses Research, Kanpur (Name of the ICAR Institute) having its Head Office at Kanpur, U.P.** [hereinafter called "**ICAR-IIPR**"/First party], a constituent Research Institution of the Indian Council of Agricultural Research, Krishi Bhavan, New Delhi-110 001 on the ONE PART and the **Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya** having its head quarters at **Gwalior, M.P.** [hereinafter called "**RVSKVV**"/Secondparty] on the OTHER PART (who for the purpose of this MoU are hereinafter collectively referred to as the parties).

The parties, having discussed fields of common research interests and allied activities between the two institutions, have decided to enter into long-term collaboration for promotion of students' training, quality postgraduate research and collaborative research projects in cutting edge areas in accordance with the provisions contained in the Guidelines issued vide Letter No. 2-8/2012- HRD

ATTESTED.

N. S. Gurjar (Signature of First Party)

Page 1

(Signature of Second Party)

9 JUN 2023

dated 11<sup>th</sup> December, 2012 or as revised from time to time. This MoU sets for the terms and understanding between ICAR-IIPR and RVSKVV to collaborate in basic and applied research programs, organising joint seminars, conferences, workshops, and sharing research projects, research materials and publications.

WHEREAS the "First Party" is a premier agricultural research institute engaged in basic and strategic research and development activities in the fields of pulses improvement, production and promotion,

AND WHEREAS the "Second Party", established on date 20.08.2008 and Gazette Notification 507 dated 19.7.2008 by its Department of Agriculture, Agril Education & Research is involved in **Agricultural Education, Research & Extension.**

AND WHEREAS it has been considered expedient to agree in writing to participate jointly in the projects requiring expertise and logistics from both the parties.

#### Article 1. Scope.

- 1.1 The Second party will recognize the First party as an Institute for conducting research related to the thesis requirement of the research students for M.Sc./Ph.D. in agriculture and allied subjects. The second party will recognize Scientists of the ICAR Institute as recommended by its Director in accordance with the University rules and regulations for guiding students working for the said degree.
- 1.2 Operational details of research effort and collaboration will be made in common research programmes and/or projects restricted to specific mandated domain within the approved disciplines/divisions. The objective(s) for research work for a student coming from a Second party outside NARS should be exclusively different as far as possible.
- 1.3 Research instrumentation facility and library facilities available with the First party and the Second party will be made available to the faculty and research scholars. However, the costs of specific consumables will be borne by the respective organizations.
- 1.4 There shall be an exchange of students for academic, research and training purposes. Accommodation in the Hostel shall be arranged, wherever possible, as per extant rates. The duration of exchange visits will be determined by mutual consent between both the parties.

#### Article 2. Management

- 2.1 Director of the First party and the Vice-Chancellor of the Second party will be responsible to work out operational details of co-operation between the two organizations and ensure proper and effective implementation of this MoU.
- 2.2 The Advisory Committee will meet at least once in a year alternatively in the institutions of the First party and the Second party to review the activities. This meeting shall include presentation on the academic and research activities, which should be open to the students, faculty and scientists.

#### Article 3. Exchange of Information

- 3.1. The term "information" includes scientific or technical data, results and/or methods of investigation, and other information intended to be provided, exchanged, or arising under project descriptions entered into pursuant to this MoU.

N. S. Gurjar  
(Signature of First Party)

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(Signature of Second Party)

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3.2. The parties support the widest possible dissemination of information. Each party in joint projects shall be given the right to use, disclose, publish or disseminate such information for any and all purposes.

#### Article 4. General Provisions

- 4.1 It is understood that the First party and the Second party subscribe to the principle of equal opportunity and do not discriminate on the basis of race, sex, age, caste or religion. Both the Institutions shall abide by these principles in the administration of this agreement and neither party shall impose criteria for exchange of scholars or students, which violate principles of non-discrimination.
- 4.2 Both parties understand that all financial agreements will have to be negotiated separately and will depend on the availability of funds.
- 4.3 Both parties acknowledge that exchange of students from one party to the other shall be subject to the availability of funds and shall comply with the regulations and policies of the First party and the Second party.
- 4.4 Any research publications arising will be jointly published in accordance with the provisions laid out in Item 3.2.1C of the Guidelines for the students to conduct research for their degree programme as trainees at ICAR institutions as notified vide Letter No. 2-8/2012-HRD dated 11th December, 2012 or revised guidelines, if any, as may be issued from time to time.
- 4.5 A copy of the thesis/dissertation will be submitted to the First Party after the award of the degree by the Second party.
- 4.6 All questions related to this MoU arising during its term will be settled by the parties by mutual agreement. Disagreements at the operating level shall be forwarded to respective higher officials for appropriate resolution failing which an arbitrator of mutual acceptance may be identified for the settlement of dispute, if any.
- 4.7 All questions not foreseen related to this MoU will be handled by the parties by mutual agreement.
- 4.8 Nothing in this MoU is intended to affect other cooperation or collaborations between the parties.

#### Article 5. Intellectual Property Rights

- 5.1 The Second party will be expected to ensure protection of the Intellectual Property Rights generated or likely to be generated during the student's research work. The ICAR as the first applicant (for its institute) and the Second party shall be the joint applicants for IPRs and the students and involved scientific staff shall be included as the inventor/breeder/author. The 'ICAR Guidelines for Intellectual Property Management and Technology Transfer/Commercialization' as amended from time to time shall be the reference for exploitation of the generated intellectual property, whose management and benefits sharing shall be mutually decided in each case.

#### Article 6. Admission and Fees

- 6.1 All those who wish to register as trainees or for Master/Doctoral programme under this MoU must apply for admission at the Second party. The allocation of Major Guide/Advisor would be finalized before the registration and will be governed by the provisions laid out in Items 3.2.1A and 3.2.2A of the Guidelines for the students to conduct research for their degree programmes as trainees at ICAR institutions as notified vide Letter No. 2-8/2012-HRD dated 11th

ATTESTED  
N. S. Gurjar  
Notary  
Gwalior

(Signature of First Party)

Page 3

(Signature of Second Party)

December, 2012 or revised Guidelines, if any, as may be issued from time to time, for the students from within NARS and outside NARS, respectively.

- 6.2 Admission of the students and the award of degrees for different programmes will be the responsibility of the Second party as per the rules and regulations.
- 6.3 Allotment of the students at the First party will be done by the approval of Director of the First party and Vice-Chancellor/Head of the Institution of the Second party.
- 6.4 The First party would have the right to screen the student's eligibility for admission based on their academic period.
- 6.5 The PME Cell of the First party in consultation with the representative of the Second party shall decide the location and sharing quantum of research work.
- 6.6 The number of student(s) at any particular time will be subjected to the availability of research facilities and scientists' time to guide thesis research at the First party institution.
- 6.7 Any student(s) admitted to the First party for training/postgraduate research, if found violating the rules and regulations laid down by the First party or indulge in such activities that amount to tarnishing the image of the Institute, or cause damage to the property, the registration of such student(s) would be summarily terminated. The Second party will not complete the formalities of issuing the certificates to such students until they compensate the losses to the First party.
- 6.8 Fees will be charged from the students by the First party as per Guidelines for the students to conduct research for their degree programmes as trainees at ICAR institutions vide Letter No. 2-8/2012-HRD dated 11th December, 2012 or revised Guidelines, if any, as may be issued from time to time. No fee may be charged by the First party from the students registered with AU/DU within NARS. However, a student registered with a Second party, outside NARS, will deposit fee of Rs. 20,000/- for training duration of 3 months (not leading to a degree/dissertation) and Rs. 30,000/- per semester (six months) for training, research, dissertation exceeding three months. Any change in fee structure by ICAR will be applicable from the date of revision and shall be charged by the First party.

#### Article 7. Entry into effect, modification and termination

- 7.1. This MoU shall become effective on the date it is signed by the parties and shall be valid for three years extendable up to five years. Both parties shall review the status of the MoU at the end of each three/five-year period to determine any modification, whenever necessary. The period of validity of this MoU may be extended by mutual consent up to five years. This MoU may be amended by mutual written agreement and may be terminated at any time by either party upon written notification signed by the competent authority of the party initiating termination. Such notification must be given to the other party at least six months in advance from the effective date of termination.
- 7.2. All joint activities not completed at the expiration or termination of the MoU may be continued until their completion under the terms of this MoU.
- 7.3. No amendment or modification of the MoU shall be valid unless the same is made in writing by both the parties or their authorized representatives and specifically stating the same to be amendment of the MoU. The modifications/changes shall become part of the MoU and shall be effective from the date on which they are made/executed, unless otherwise agreed to.

This MoU has been executed in two originals, one of which has been retained by the First party and the other by the Second party).

IN WITNESS WHEREOF, the parties have executed this MoU and represent that they approve, accept and agree to terms contained herein.

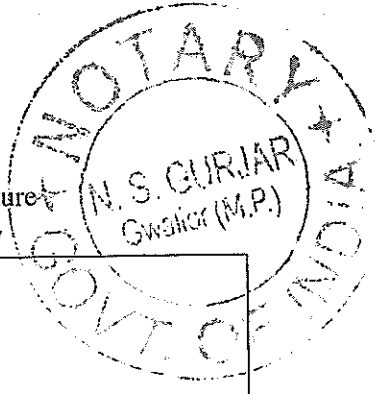
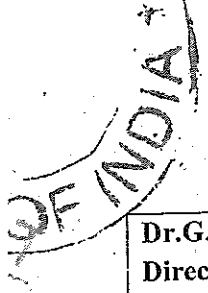
N. S. Gurjar  
Notary  
Gwalior

(Signature of First Party)

Page 4

(Signature of Second Party)

- 9 JUN 2023



Authorised Signature  
First party

Authorised Signature  
Second party

<p>Dr.G.P. Dixit Director ICAR-IIPR, Kalyanpur, Kanpur</p> <p>डा. जी. पी. दीक्षित Dr. G. P. Dixit डायरेक्टर / Director ICAR-Indian Institute of Pulses Research कल्याण 208024 (उ.प्र.) / Kanpur 208024 (U.P.)</p>	<p>Prof. Arvind Kumar Shukla Vice-Chancellor RVSKVV, Gwalior</p>
<p>Name of the Director of the First Party Tel No.+91-0512-2580986 Date:</p>	<p>Name of the Vice-Chancellor of the Second Party Tel. No. +91-0751-2970502 Date: 12.06.2023</p>

Seal

Vice Chancellor  
Seal  
Seal (R)-474002

Witness 1

Dr. Yogesh Kumar  
Chairman, HRD  
ICAR-IIPR, Kanpur  
Witness 2

Mr. Sujeet Kumar Verma  
Senior Administrative Officer  
ICAR-IIPR, Kanpur

Witness 1

Name: Dr. D.H. Ranade  
Designation: DFA  
RVSKVV, Gwalior  
Witness 2

Name: Dr. S.P.S. Tomar  
Designation: DI  
RVSKVV, Gwalior

ATTESTED  
N. S. GURIAR  
Gwalior

(Signature of First Party)

Page 5

(Signature of Second Party)

9 JUN 2023

(2023-24) - 1

Mail 16/11/22



## OFFICE OF THE DIRECTORATE OF INSTRUCTIONS

**Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya,**

Raja Pancham Singh Marg, Behind LNUPE, Gwalior – 474002 (M.P.)

Telfax: 0751-2970517(O)

E-mail [di@rvskvv.net](mailto:di@rvskvv.net)

Website [www.rvskvv.net](http://www.rvskvv.net)

No./DI/2022-23/ 2828

Dated: 16/11/2022

### ORDER

On the recommendation of Dean, College of Agriculture, Gwalior and as per consent received from Dr. R.K. Mishra, Principal Scientist (Plant Pathology) ICAR-IIPR, Kanpur, U.P., Miss Pragati Nema (Roll No. 21113603) Ph.D. student of Plant Pathology, College of Agriculture, Gwalior is hereby permitted to conduct her research work (Thesis research work) at ICAR-IIPR, Kanpur, with following terms & conditions.

1. She shall report the Director, ICAR-IIPR, Kanpur, U.P., for thesis research work after relieving from the Dean, College of Agriculture, Gwalior.
2. She shall be registered in each semester at College of Agriculture, Gwalior after payment of prescribed fees of each semester.
3. She shall submit the progress of research work time to time to HOD, Plant Pathology, College of Agriculture, Gwalior.
4. She shall submit her attendance every month of fulfill her residential requirements to HOD, Plant Pathology, College of Agriculture, Gwalior duly verified by Major Advisor-II of ICAR-IIPR, Kanpur, U.P.
5. Major Advisor-I of the thesis research work shall be Teacher/Professor/Scientist of the University and Major Advisor-II shall be from ICAR-IIPR, Kanpur, U.P.
6. After completion of research work, she shall submit her thesis to HOD, Plant Pathology, College of Agriculture, Gwalior.
7. The comprehensive exam, Doctoral Degree Seminar at College of Agriculture, Gwalior and thesis viva-voce shall be conducted at RVSKVV, Gwalior.

Endt./ No. DI/2022-23/ 2828

C.C. to:

1. Dean Faculty of Agriculture, RVSKVV, Gwalior
2. Dean, College of Agriculture, Gwalior
3. Director, ICAR-IIPR, Kanpur.
4. Registrar, RVSKVV, Gwalior
5. Dy. Registrar, (Academic), RVSKVV, Gwalior
6. HOD, Plant Pathology, College of Agriculture, Gwalior
7. Person concern, Miss Pragati Nema (Roll No. 21113603) Ph.D. student of Plant Pathology, College of Agriculture, Gwalior.
8. P.S. to Hon'ble Vice Chancellor, RVSKVV, Gwalior.

Director Instructions

Dated: 16/11/2022

Director Instructions

**PARTNER SUB-GRANT AGREEMENT**

<b>ICRISAT INFORMATION</b>	
Name	International Crops Research Institute for the Semi-Arid Tropics (ICRISAT)
Status	International Organization that conducts agricultural research for development in Asia and sub-Saharan Africa. ICRISAT is notified under Section 3 of the United Nations (Privileges & Immunities) Act, 1947 through a Gazette Notification issued by the Ministry of External Affairs, Government of India.
Headquarters Address	ICRISAT, Patancheru (near Hyderabad), Telangana 502324, India.
Tel & Web Address	+91-8455-683419; <a href="http://www.icrisat.org">www.icrisat.org</a>
Admn Representative	Director, Business Development, ICRISAT, India. Email: <a href="mailto:icrisat-bd@icrisat.org">icrisat-bd@icrisat.org</a>
Tech Representative	Dr Prakash Gangashetty, ICRISAT, India. <a href="mailto:Prakash.Gangashetty@icrisat.org">Prakash.Gangashetty@icrisat.org</a>

<b>SUB-GRANTEE INFORMATION</b>	
Name	Rajmata Vijayaraje Scindia Krishi Vishwavidyalaya (RVSKV)
Status	Government Institution
Address	Raja Pancham Singh Marg, Gwalior, Madhya Pradesh
Tel & Web Address	Tel: +919893476337
Admin Representative	RVSKVV- RAK College of Agriculture, Sehore
Tech Representative	Dr Ashok Saxena, (PI), <a href="mailto:ashoksaxena04@rediffmail.com">ashoksaxena04@rediffmail.com</a>
Co-PI (Sehore)	Dr. M. Yasin, (Co-PI), <a href="mailto:myasin23@gmail.com">myasin23@gmail.com</a>
Co-PI (Khandwa)	Dr. D.K. Srivastava, (Co-PI), <a href="mailto:Shrivastavamedherbs@rediffmail.com">Shrivastavamedherbs@rediffmail.com</a>
Co-PI (Kargone)	Dr. Y.K. Jain, (Co-PI), <a href="mailto:yogendrak_jain@rediffmail.com">yogendrak_jain@rediffmail.com</a>

<b>SUB-GRANT INFORMATION</b>	
Title of Project	<b>Enhancing Pigeonpea Production and Productivity in India by promoting high-yielding early maturing varieties and hybrids</b>
Purpose/Objective	Increase pigeonpea crop production in India
Donor/Funder/PTE	Department of Agriculture and Farmers' Welfare, Govt. of India
Start Date	01 April 2023
End Date	31 March 2026
Sub-Grant Amount	Rs. 2829750 (Indian Rupees twenty-eight lakhs twenty-nine thousand seven hundred fifty only)
Grant Type	Advance
Documents include	This Agreement General Information and Signature page; and: (a) Work Plan and Budget (Annex – A) (b) General Terms and Conditions (Annex – B) (c) Special Conditions, if any (Annex – C)

This Partner Sub-Grant Agreement is between the **International Crops Research Institute for the Semi-Arid Tropics (ICRISAT)** hereinafter referred to as "ICRISAT" or "Lead Center"/"Project Implementing Agency" which expression shall, unless excluded by or repugnant to the context, be deemed to include its successors-in-interest and permitted assigns.

and

**Rajmata Vijayaraje Scindia Krishi Vishwavidyalaya (RVSKV), Madhya Pradesh** (hereinafter referred to as "Sub-Grantee"/ "Partner Institution") which expression shall, unless excluded by or repugnant to the context, be deemed to include its successors-in-interest and permitted assigns.

ICRISAT and the Partner Institution are also referred individually as "Party" and collectively as "the Parties".

### 1. Grant Amount and Disbursement

- a) The purpose of this grant funding is to enable the Partner Institution to collaborate to undertake research activities approved under the project "Enhancing Pigeonpea Production and Productivity in India by promoting high-yielding early maturing varieties and hybrids" in accordance with the agreed Work Plan and Budget (Annex 1) of this Agreement.
- b) ICRISAT will make available to the Partner Institution maximum grant funding up to INR 28,29,750 (Indian Rupees twenty-eight lakhs twenty-nine thousand seven hundred fifty only) inclusive of all applicable taxes, if any. No reimbursements will be made for costs incurred more than the grant amount. The excess expenses will be the sole responsibility of the Partner Institution. The funding disbursements are based on schedule of funds receipt from the donor.
- c) Budget allocated to RVSKVV-RAK College of Agriculture Sehore for the project duration (three years) is given below in INR:

SI No	Line items	Year 1	Year 2	Year 3
A	Salaries	180000	180000	180000
B	Travel	75000	125000	125000
C	Contingency	400000	400000	400000
D	Farmer training	50000	50000	50000
E	FLD		240000	240000
F	Total (A to E)	705000	995000	995000
G	OH 5%	35250	49750	49750
	<b>Grand total (F+G)</b>	<b>740250</b>	<b>1044750</b>	<b>1044750</b>
			<b>2829750</b>	

- d) ICRISAT will transfer 50% of the Year-1 funds allocated amounting to INR 3,70,125 (Indian Rupees three lakhs seventy thousand one hundred twenty-five only) to the Partner Institution upon receipt of a copy of this fully signed Agreement along with a request for funds letter with bank account details.
- e) ICRISAT will transfer 40% of the Year-1 funds allocated amounting to INR 2,96,100 (Indian Rupees two lakhs ninety-six thousand one hundred only) to the Partner Institution within 15 workdays upon receipt of midterm technical and financial reports along with request for funds.



- f) The balance 10% of the Year-1 funds allocated amounting to INR 74,025 (Indian Rupees seventy-four thousand and twenty-five only) shall be paid to the Partner Institution within 15 workdays upon receipt of Year-1 final technical and financial reports along with request for funds.
- g) The second- and third-years funding disbursement shall be same ratio as mentioned in the above schedule.
- h) The Partner Institution must spend 100% liquidation against previous instalments to receive the further disbursements. The final instalment shall be released upon submission of 100% liquidation against the total grant amount.
- i) The approved budget and fund disbursement is subject to revisions through Amendment to this Agreement based on funding confirmation and receipt of funds from the Donor.

## 2. Reporting and Financial Management

- a) The Partner Institution shall provide Technical, Financial Reports for all the project activities implemented as per Work Plan under this Agreement jointly signed by the Head of Finance and Head of the Institution to ICRISAT as per the schedule indicated below:

Report Type	Due by
Half Yearly Technical Reports (covering period 1 April to 30 September and 1 October to 31 March, each year)	15 Oct 2023, 15 Apr & 15 Oct 2024, 15 Apr & 15 Oct 2025; and 15 Apr 2026
Quarterly Financial Reports (covering periods 1 April to 30 June; 1 July to 30 September; 1 October to 31 December. 1 January to 31 March, each year)	15 Jul, 15 Nov, 15 Jan & 15 Apr, each year.

- b) The Partner Institution shall also provide to ICRISAT with Audited Financial Statement of the project funds utilization within four (4) months after completion of the Partner Institution's financial year.
- c) In addition to the above reports, the Partner Institution agrees to submit other reports when ICRISAT may reasonably request based on any additional requirement from the Donor.
- d) The Partner Institution is responsible for recording expenditure and keeping supporting documentation related to this Grant funding for a period of five (5) years after the completion of grant period. These shall be available for audit at the request of ICRISAT, or Donor. ICRISAT will not recognize any other expenditure in case those expenses exceed the Grant Amount or utilized for purposes other than agreed under this Agreement.
- e) If the funds are not fully spent for implementation of the activities, the Partner Institution agrees to promptly return the unspent funds to ICRISAT upon termination or completion of the Agreement.

The Partner Institution/Sub-Grantee agrees to execute the Work Plan (Annex A) in accordance with the terms and conditions of this Sub-grant Agreement including all attachments which are incorporated by reference. This Sub-grant Agreement consists of this Sub-grant General Information and signature page, the attached Work Plan (Annex A), the General Terms and Conditions (Annex B), and Special Conditions (Annex-C), if any. To the extent, there is any inconsistency between these documents, the order of priority will be: (i) the Sub-grant General Information and signature page; (ii) Research Project or Work Plan (Annex-A); (iii) Special Conditions, if any (Annex C), and (iv) the attached General Terms and Conditions (Annex B); and any other Annex.

IN WITNESS WHEREOF, this Sub-Grant Agreement is signed by the duly authorized representatives of the Parties in English with the effective date to be the date of the last signature affixed to this Agreement.


For ICRISAT



Dr. Arvind Kumar  
Deputy Director General-Research

Date: 12 October 2023

For RVSKVV, Sehore

  
DIRECTOR RESEARCH SERVICES  
Dr. Vinayraje Scindia Krishi Vishwa Vidyalaya  
Gwalior-474002 M.P. India

Date: 20/10/2023

**Work Plan & Budget****Target districts of operation in Madhya Pradesh-**

Sehore

Khandwa

Khargone

*Aims and objectives.*

1. Accelerated multilocation and on-farm testing of early maturing hybrids (131 to 150 days) and varieties (131 to 150 days) of pigeonpea at target sites in Madhya Pradesh.
2. Accelerated multi location and on-farm testing of extra-early (100-130 days) and early pigeonpea varieties and hybrids in drought-prone target districts for their quick release for cultivation.
3. Capacity building of farmers to create awareness of new pigeonpea technologies for faster adaptation.

Objectives	Activities	Year 1	Year 2	Year 3
1. Accelerated Multi location and on-farm testing of early maturing hybrids (131 to 150days) and varieties(131to150days)of pigeonpea at target sites in Madhya Pradesh	1.1: Multi location yield trailing of promising early maturing varieties and hybrids	40-45 entries per trial of early maturing varieties and hybrids. The number of trials will be decided. based on the annual work plan and review meeting.	40-45 entries per trial of early maturing varieties and hybrids. Number of trials will be decided based on the annual work plan and review meeting.	40-45 entries per trial of early maturing varieties and hybrids
	1.2: Identification and nomination of promising entries to AICRP	Identify at least two promising. Lines from the MLT and nominate to AICRP	Identify at least two promising. Lines from the MLT and nominate to AICRP	Identify at least two promising. Lines from the MLT and nominate to AICRP
	1.3: On-farm testing of Selected entries in 2 districts by farmers' participatory approach for two years		On-farm testing of 3 varieties in an area of 1 acre in 5 locations across three districts	On-farm testing of 3 varieties in an area of 1 acre in 5 locations across three districts

<p>2. Accelerated Multi location and on-farm testing of extra-early (100-130 days) and early pigeonpea varieties and hybrids in drought-prone target districts for their quick release for cultivation.</p>	<p>2.1: On-farm testing of Selected entries in 2 districts by farmers' participatory approach for two years</p>		<p>On-farm testing of 3 varieties in an area of 1 acre in 5 locations</p>	<p>On-farm testing of 3 varieties in an area of 1 acre in 5 locations</p>
<p>3. Capacity building of farmers to create awareness of new pigeonpea technologies for improved pigeonpea production</p>	<p>3.1 Organize crop cafeteria to conduct training for farmers on Improved pigeonpea production technology</p>	<p>Crop cafeterias with released and new varieties suitable for each target district will be organized</p>	<p>Crop cafeterias with released and new varieties suitable for each target district will be organized</p>	<p>Crop cafeterias with released and new varieties suitable for each target district will be organized</p>

## GENERAL TERMS &amp; CONDITIONS

1. Partner Institution shall utilize the funds only for the research activities agreed under this agreement and shall not use the funds for any other purpose/s. Partner Institution shall exercise care in the administering the funds having due regard to the economy and efficiency and need to uphold highest standards of integrity in administering the public funds, including prevention of fraud and corruption.
2. **Intellectual Property and Data Sharing**
  - a) Management of Intellectual Property. The Parties shall manage all intellectual assets and/or related intellectual property rights created as a result of the activities carried out under this Agreement in a way that is consistent with the CGIAR Principles on the Management of Intellectual Assets ("CGIAR IA Principles"), which is available at CGIAR website<sup>1</sup> and will apply as amended from time to time. All tangible and intangible results that arise from this Agreement shall be international public goods and shall belong to ICRISAT. The Partner Institution shall assign and transfer all rights with respect to the results generated under this Agreement to ICRISAT to utilize them as global public goods.
  - b) The Parties shall act in accordance with CGIAR Open Access and Data Management Policy (the "Policy"), which is approved by the CGIAR Consortium Board. Under this policy, the parties are committed to widespread dissemination of results of its research and development activities to achieve the maximum impact to advantage the poor, especially smallholder farmers in developing countries. The policy is available at the CGIAR website<sup>2</sup> and will apply as amended from time to time.
  - c) Publications: The Parties agree that the results of the activities undertaken under this Project shall be published with due credit to all contributors and, at the same time, publishing party will be entirely responsible for the conclusion and interpretations reported.
  - d) Data Sharing. The Partner Institution shall provide all data and models generated and compiled as a result of activities under this Agreement to ICRISAT. The contribution of Partner Institution shall be appropriately acknowledged. All data collected under this Agreement shall belong to ICRISAT. The Partner Institution shall not use or share this data produced/uploaded on to the dashboard to any third party.
  - e) The Parties shall hold in confidence all "Confidential Information" disclosed by one Party to the other. They agree not to disclose the information to third Parties, and only to release and disclose such information to individuals within the Party's corporation that are directly involved with the project, on a need to know basis.

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<sup>1</sup><https://cgspace.cgiar.org/bitstream/handle/10947/4486/CGIAR%20IA%20Principles.pdf?sequence=1>

<sup>2</sup> <http://library.cgiar.org/bitstream/handle/10947/2875/CGIAR%20OA%20Policy%20-%20October%20202013%20-%20Approved%20by%20Consortium%20Board.pdf?sequence=1>

### 3. Anti-Fraud and Anti-Corruption Compliance

Partner Institution represents and warrants to ICRISAT that:

- a. neither the Partner Institution nor its subsidiary has any material interest in any matter which conflict substantially, or appear to conflict substantially, in its association with ICRISAT. Partner Institution agrees that, if during the term of this Agreement, it becomes aware that its continued association would conflict with interest of ICRISAT, it will notify the same to ICRISAT immediately in writing;
- b. neither the Partner Institution nor any of its directors, key officers, or representatives has a close family relationship (i.e., parent, child, sibling, or spouse) with key official of ICRISAT. Partner Institution agrees to notify ICRISAT if any such close family relationships arise during the term of this Agreement;
- c. Partner Institution agrees that its association with ICRISAT under this Agreement will be in full compliance with all anti-corruption laws and regulations as applicable to the respective jurisdictions of the parties. Accordingly, Partner Institution agrees that in connection with its activities under this Agreement, neither Partner Institution nor any agent, affiliate, employee, sub-contractor, or other person acting on its behalf will offer, promise, give, or authorize the giving of anything of value, or offer, promise, make, or authorize the making of any bribe, rebate, payoff, gifts, hospitality, influence payment, facilitation payment, kickback, or other unlawful payment, to any ICRISAT official in order to gain any unfair advantage or to influence any act or decision of ICRISAT official. Partner Institution further agrees that the arrangements and payments provided under this Agreement shall not be used for the personal benefit or enrichment of any ICRISAT official. Partner Institution agrees to assist and cooperate in any investigations related to activities performed and/or payments received under this Agreement.
- d. Partner Institution has fully complied with all applicable anti-money laundering laws and regulations.
- e. Partner Institution agrees that in case it decides to offer sub-contract (including consultants) in connection with this Agreement, Partner Institution shall apply all the conditions related to Anti-Fraud and Anti-Corruption compliance as mentioned in this agreement with the sub-contractor in a written form.

### 4. Modification and Termination

- a) This Agreement may be amended, modified, altered, revised, extended, or renewed by mutual written agreement between the Parties.
- b) Either party may terminate this Agreement upon giving 30 days' prior written notice to the other. Upon such termination Partner Institution shall promptly return unspent funds to ICRISAT and within 30 days submit to ICRISAT a final Financial Report and technical report on activities performed before termination.
- c) This Partner Sub-Grant Agreement will terminate at the end of duration of this Agreement as stated in Page# 1 unless otherwise extended through a signed communication/ amendment to this Agreement.
- d) ICRISAT may modify, suspend, or discontinue any payment of Grant Funds or terminate this Agreement with notice if: (i) ICRISAT is not reasonably satisfied with the Partner Institution

progress on the Project; (ii) there are significant changes to partner's leadership or other factors that ICRISAT reasonably believes may threaten the Project's success; (iii) the Donor stops or substantially reduces the amount of Grant; or (iv) the Partner Institution fail to comply with this Agreement. ICRISAT will notify the Partner Institution of its concerns and provide the Partner Institution with a reasonable period to address them.

#### **5. No Warranty and Limitation on liability**

- a. Neither ICRISAT, nor anyone acting on behalf of ICRISAT, makes any warranty or representation, express or implied, concerning the accuracy, completeness, or usefulness of the information, data or material provided under this Agreement, whether contained in any written report; or that the use of any data, information, apparatus, material, method, or process disclosed in any report may not infringe privately owned rights.
- b. Neither ICRISAT, nor anyone acting on behalf of ICRISAT, assumes any liability concerning the use of, or for damages resulting from the use of, any data, information, apparatus, material method, or process disclosed pursuant to the scope of activities hereunder. Concerning the material, information and data provided hereunder, ICRISAT make no representations or warranties, express or implied, including, but not limited to, the implied warranties of merchantability and fitness for a purpose or use.
- c. The Partner Institution agrees that, without prior review and written approval of ICRISAT, it shall not issue a press release or otherwise make a public announcement concerning the subject matter of this Agreement or make any statement on behalf of or concerning the ICRISAT or the Donor to press, media, brokers, banks, regulator and/or any other person.
- d. The Partner Institution shall not use ICRISAT's name, logo, and/or Trademark in any form without prior written permission from ICRISAT.

#### **6. Miscellaneous**

- a) The Partner Institution will not use funds provided under this Agreement, directly or indirectly, in support of activities (a) prohibited by the respective Government laws; (b) political or lobbying activities; or (c) election for public office or to carry on any voter registration drive.
- b) In carrying out the Project, the Partner Institution will comply with all applicable laws, regulations, and rules and will not infringe, misappropriate, or violate the intellectual property, privacy, or publicity rights of any third party.
- c) The Partner Institution undertakes to abide by all terms and conditions applicable to Sub-Grants under the Grant Agreement and accepts to provide full cooperation to ICRISAT in technical and financial evaluation and reporting to the Donor.
- d) The Partner Institution will maintain appropriate insurance coverage, at its own cost, enough to cover all liabilities arising out of its activities, or risks, or otherwise coverage for its staff and property and potential omissions of the Project in accordance with generally-accepted industry standards and as required by law. The Partner Institution will ensure that its sub-contractors, if any, shall also maintain insurance coverage consistent with this section. The

ICRISAT or the Donor shall not bear any liability whatsoever for Partner Institution's activities, operations, staff and property.

- e) The Partner Institution agrees to defend, indemnify and hold ICRISAT and its employees, directors and officers harmless for any and all claims, losses, injuries, damages or other liability arising in tort or breach of contract and/or expenses (including litigation cost and attorney's / lawyer's fee on account of any negligent act or omission, any breach of its obligations provided in this Agreement or any violation of applicable law, rule or regulation by Partner Institution or its agents during and after the term of the Agreement. This obligation shall survive after the expiration or termination of this Agreement.
- f) The Parties acknowledge and agree that nothing in this Agreement shall be deemed to constitute a teaming agreement, legal partnership, joint venture, agency relationship or otherwise between the Parties.
- g) Each provision of this Agreement must be interpreted in a way that is enforceable under applicable law. If any provision is held unenforceable, the rest of the Agreement will remain in effect.
- h) The Partner Institution shall not assign or sub-contract the Partner Institution's rights and obligations under this Agreement.

#### **7. Dispute Resolution**

- a) Any dispute, controversy or claim arising out of or in relation to this Agreement, or the breach, termination or invalidity thereof, shall be settled amicably by negotiation between the Parties. If such negotiation is unsuccessful, either Party may submit the dispute to arbitration in Hyderabad, India. The arbitration will be carried out in accordance with the provisions of Indian Arbitration and Conciliation Act of 1996, or of any modifications or re-enactments thereof. The arbitral award will be final and binding, subject to legal remedies available under the law. The Arbitration proceedings shall be held in the ENGLISH language at Hyderabad, India. The cost of arbitration shall be decided by the arbitration award.
- b) This Agreement shall be governed by, construed, and enforced in accordance with the prevailing laws of India, and the parties hereto hereby submit to the sole and exclusive jurisdiction of courts of Hyderabad in India.
- c) It is understood, however, that the provisions of this paragraph shall not constitute nor imply the waiver by ICRISAT of its privileges and immunities.



## SPECIAL TERMS AND CONDITIONS

Annex-C

The terms and conditions of the principal Grant Agreement with the Donor are hereby attached and form part of this Partner Sub-Grant Agreement and shall also be applicable as though they are intended to be applicable to the Partner Institution.

For this Agreement, the term "Grantee"/"Recipient"/"Sub-recipient" in the Annex-C shall be read and understood as "Partner Institution".

### Other terms and conditions

1. Partner Institution shall ensure that all the sites viz. project testing sites, on-farm sites, etc. are GPS tagged & georeferenced.
2. Experimental research trials and on-farm demonstrations will be monitored by the project coordinator – Kharif pulses and the ICRISAT- Pigeonpea breeding team.
3. Qualification and salary for hiring of human resources/contractual services (Young professional-II, Field Assistants, and Admin/Accountant) is admissible as per the approved norms of the ICAR/CSIR/ University/ Govt.
4. No international visit of scientists/trainees is admissible from the funds allocated for the project. Traveling allowance, daily allowances, etc. for domestic travel required under the project are admissible as per norms of the Government of India.
5. Expenses incurred on arranging annual workshops/meetings of the project may be at par with ICAR norms.
6. The partner institution agrees to abide by all applicable norms and guidelines of the Government of India in executing the project activities and expenses.

## Annex I

"This annexure serves as an extension to the previously signed Umbrella Memorandum of Understanding (MOU) dated 03<sup>rd</sup> June 2019. It incorporates additional terms, conditions, and specific details that further elaborate on the scope and implementation of the original agreement. By referencing this annexure, it is understood that both parties agree to be bound by the terms outlined herein, in conjunction with the provisions stated in the Umbrella MOU. This annexure is an integral part of the overall agreement and shall be considered collectively with the main MOU document for all purposes of interpretation and implementation."

The project aims to provide capacity-building support for large-scale seed production to produce GMO-free seed cultivars (varieties and/or hybrids) at scale to cover (part of) partners own seed procurement needs, with special focus on the newly developed Seeding the Green Future varieties.

### \*Specific tasks and responsibilities of Gwalior University (RVSKVV) for OSIP 2023-2024

- Seed multiplication of promising cotton cultivars on minimum of 3 acres of land which includes both *G. hirsutum* and *G. arboreum* cultivars area can be used for own seed production of preferred cultivars including newly developed Seeding the Green Future varieties. Yield assessment and other significant observation should be taken from 4 different windows of 5m X 5m.
- Ensure all seed quality control measures (isolation distance, timely roguing, seed germination and purity testing) are in place according to OCA's Non-GM Seed Production guidelines and FiBL's organic seed production guidelines.
- Reporting on productivity, demand and supply data from the 3 acres of seed production produced under the initiative.
- Monitoring and reporting on GMO contamination control measures.
- Deliver at least 1 workshop/training for small-scale farmers in seed multiplication.
- Submission of proposal for SGF promising cultivars for proposal to the call from State variety Release Committee.
- Submission of research paper of F-SGF Master students at RVSKVV (Agronomy and Plant Breeding) and others for publication in identified Journals

### Key Deliverables for Season 2023-2024:

- Data submission by **February 2024**
- Season's narrative and Audit report including (2018-2023) by **15 March 2024**

Prof. R.V.S.K.V.V. Gwalior (M.P.)  
Dispatch No. 2993  
Date 02.12.2023

Approved  
11/12/23  
Comptroller

etc

## Annex II

Table 1: Budget and Financial Plan for 2023-2024 season

Budget for Project Activities	Budget Season 2023-2024 (in CHF)
TOTAL BUDGET ( <i>Five thousand Swiss francs</i> )	5'000.00

**Please Note:**

- \*Allocated budget will come in a single installment (100%) upon the receipt of Invoice.
- \*\* Any cost related to *Personal, Material and Travel or anyother project related cost* shall be covered from the budget above.
- \*\*\*Project partners are responsible to report total amount remitted in Indian rupees (INR) against their installments in Swiss Francs (CHF) to FiBL, and submit official receipt for the same.
- \*\*\*\*Project partners are bound to submit financial reports and audits against the budget allotted.

**Any expense made by the partner beyond the above allocated budget will not be compensated under any circumstances and not request in this regard will be entertainend.**

Each party has agreed as above and hereby sign

For, Rajmata Vijayaraje Scindia Krishi Vishwavidyalaya (RVSKVV)

Place and Date: RVSKVV, GWALIOR (M.P.) - 474002 / 21 Oct. 2023

Signature: \_\_\_\_\_

Dr. Sanjay Sharma

Director Research Services

Rajmata Vijayaraje Scindia Krishi Vishwavidyalaya, Gwalior University

Race Course Road, Near Mela Grounds

Gwalior, Madhya Pradesh 474 002, INDIA

AND;

For, Research Institute of Organic Agriculture (FiBL)

# FiBL

Place and Date: Frick, ~~22~~ 4.10.23

Signature: 

Dr. Jörn Sanders

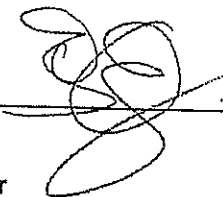
Member of the Board of Directors

Research Institute of Organic Agriculture (FiBL)

Ackerstrasse 113

CH-5070 Frick, Switzerland

Place and Date: Frick, 25.9.23

Signature: 

Ms. Beate Huber

Director of Corporate Culture

Research Institute of Organic Agriculture (FiBL)

Ackerstrasse 113

CH-5070 Frick, Switzerland



## Memorandum of Understanding

Between

**Rabindranath Tagore University, Bhopal (M.P.)**

And

**Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior**

This memorandum of understanding (here in after called as the 'MOU') is entered into on this the (Date: 12 September 2023), by and between **Rabindranath Tagore University, Bhopal** (Here in after first party) and **Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya(RVSKVV)**, Gwalior (Here in after is called second party).

### The Parties,

#### **Rabindranath Tagore University (RNTU)**

Rabindranath Tagore University, established in 2010 in Raisen District, Bhopal, is India's first Skill University. RNTU is the second highest education venture of India's leading higher education group: The AISECT Group of Universities. Named after Nobel laureate Sh. Rabindranath Tagore, the University believes in providing an all-around cognitive development to its students by focusing equally on soft skills, building personalities, entrepreneurship incubation, liberal & performing arts as well as sports and cultural activities. The Group's basic foundation across all its higher education projects is to prepare its students into becoming responsible, skilful and fair professionals. AISECT has more than 39 years of unmatched experience in skill development and job placements. The Group offers its students wide opportunities through its multiple industry associations and expertise in entrepreneur development. The University is running programs in faculties like Engineering, Education, Management, Rural Management, Law, Information Technology, Arts, Science, Commerce, Nursing and Paramedical. It focuses on imparting skills and knowledge to empower students for employment and entrepreneurship. The University has also created entrepreneurship cell, IPR cell, Industry Academia cell, incubation Centre with start-up cell. The University has established a Pradhan Mantri Kaushal Kendra in the campus and has also set up Atal Incubation Centre by Niti Aayog, Govt. of India in the campus. The University is having rich Library, Computer Centre and advanced research-based software labs. The University is known for its Research in the areas of renewable energy, material science, seismic energy, Agriculture, Livelihood Resource Centre, Social Entrepreneurship, arts and culture. In this context the University has set up 11 centres of excellence\*. The University is carrying out research project from DRDO (Govt. of India), NCTU (Taiwan) and IIT Delhi, Bio Diversity Board (Govt. of M.P.) etc. The University has excellent placement record, more that 80% student get placed. In short span of 10 years the University has got various awards and accolades at national and international levels. The University is recognized by UGC and member of AIU and ACU. The University institutes got approvals from AICTE, NCTE, BCI, INC and Paramedical Council of Madhya Pradesh.

And

#### **Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior**

**The Rajmata Vijayaraje Scindia Krishi Vishwavidyalaya**, Gwalior was established by Government of Madhya Pradesh Vide Ordinance No. 4 of 2008 notified in the Extraordinary Gazette No. 507 dated 19th August 2008 as second Agricultural University by bifurcating the JNKVV, Jabalpur. As per RVSKVV act (No. 4, year 2009), the horticulture and veterinary science & animal husbandry. The research activities are operated through five Zonal Agricultural Research Stations

(Morena, Khargone, Jhabua, Indore and Sehore); four Regional Agricultural Research Stations (Gwalior, Mandsaur, Ujjain and Khandwa) and 4 special research stations (Entkhedi, Bagwai, Jaora and Badwah) having 22 All India Coordinated Research Projects and several adhoc projects to enhance the productivity and profitability of agriculture system. Transfer of technology is the part of extension activities carried out by 21 Krishi Vigyan Kendras.

The overall climate varies from semi arid to sub humid with hot summer, cool and dry winter and 600-1000 mm mean rainfall. The geographical area of the state under the jurisdiction of university contains three types of soils varying from alluvial to medium and heavy black soils spread over six agro climatic zones i.e. Gird Zone, Malwa Plateau, Nimar Valley, Vindhya Plateau, Jhabua Hills and Bundelkhand Zone.

#### **ARTICLE1: OBJECTIVE**

Both institutes agree to develop the following collaborative activities in the academic areas of mutual interest on the basis of equality and reciprocity.

The two institutions shall seek to promote

##### **a. Faculty exchanges**

- The exchange of faculty to the mutual benefit of both institutions.
- Collaboration in Teaching, research and development and consultancy studies in the field of mutual interest.
- Exchange of academic materials and publications.
- Conducting Lectures.
- Undertaking joint research.
- Attachment of staff for the purpose of curriculum development and review, upgrading of teaching and research skills.
- Participating in seminars, workshops, conferences, symposiums and other types of academic discussions.
- Conducting joint consultancy work.

A specific plan will be worked out for each activity; setting forth detailed arrangements for collaboration will be agreed. Terms and conditions for each visit or such exchange including those concerning monetary implications will be worked out between the institutes. A Separate agreement will be entered as per requirements.

##### **b. Student Exchange**

RNTU and RVSKVV, Gwalior agree that student exchange will be guided by principles listed below:

A home institution refers to the institution where a student is a full-time student and from where he/she is expected to graduate. A host institution refers to an institution that receives a student for a brief period of time to undertake a pre-determined programme of study and research (mutually agreed upon in advance).

- I. Exchange students will be selected by mutual agreement between the home institution and the host institution.
- II. His/her programme of study at the host institution will be determined by mutual consultation between his/her academic advisor at the home institution and his/her "interim" academic advisor identified by the host institution.

##### **c. Placements**

- I. To exchange information on fairs pertaining to placement, training on placements and placement drives.
- II. To jointly organize placement drives.

**d. Skill Development Programs**

- I. To exchange information on Skill development programs.
- II. To jointly organize short term Skill Development Programs and to invite each other's students to participate therein.

**e. Entrepreneurial Activities**

- I. To exchange information on **Entrepreneurial Activities**
- II. To jointly organize **Entrepreneurial workshops** and training activities and to invite each other's students to participate therein.
- III. To promote and encourage students' entrepreneurs

**f. Other areas**

- I. To exchange information or research and educational programs.
- II. To exchange information on teaching material and other literature relevant to their educational and research programs.
- III. To jointly organize short-term continuing education programs on topic of mutual interest and to invite each other's faculty to participate therein.
- IV. To organize jointly seminars, conference or workshops on topics of mutual interest and to invite each other's faculty to participate therein.
- V. To propose and engage jointly in research or training programme sponsored by funding agencies and to invite each other's faculty to participate therein.
- VI. The provision of culture and intellectual enrichment opportunities for staff and students of both institutes.
- VII. To use laboratory facilities in specific cases with prior information.
- VIII. To permit students, staff and faculty members to use library facility.

**ARTICLE 2: COORDINATION**

Each institution shall appoint one member of its teaching/ research faculty to coordinate the programme on its behalf. Further, a coordination committee consisting of a programme coordinator from the side of RVSKVV, Gwalior and a program coordinator from the side of RNTU will periodically review and identify ways to strengthen cooperation between the two institutions.

**ARTICLE 3: VALIDITY**

The memorandum shall remain in force for a period of FIVE years commencing from effective date. Institutions may extend the term by written agreement signed by both after review.

**ARTICLE 4: TERMINATION**

Either institution may terminate the MOU by giving written notice of three months in advance to the other institution. Once terminated, neither RVSKVV, Gwalior nor RNTU will be responsible for any

losses, financial or otherwise, which the other institutions may suffer. However RVSKVV, Gwalior and RNTU will ensure that the provisions of this Memorandum shall continue to apply to all activities in progress until their completion.

**ARTICLE 5: AMENDMENTS/ MODIFICATIONS**

This MOU may be amended or modified by a written agreement signed by the representatives of both institutions.

**ARTICLE 6: ADHERENCE TO LAWS**

Participating faculties, Staff and students involved in any activities under this memorandum must adhere to the law of the country and rules and regulations of the institutions.

**ARTICLE 7: LEGAL EFFECT**

Nothing in this memorandum shall be constructed as creating any legal relationship between the institutes. This Memorandum is a statement of intent to foster genuine and mutually beneficial collaboration.

**ARTICLE 8: DISPUTE RESOLUTION**

In case, there be a dispute to any aspect of academic cooperation. Authorized Signatory, RNTU and Authorized Signatory RVSKVV, Gwalior will jointly resolve the dispute in a spirit of independence, mutual respect and shared responsibility.

RNTU and RVSKVV, Gwalior welcome the establishment of this Memorandum for cooperation and jointly agree to the provisions as set out above.

Signed For

Authorized Signatory  
**Rabindranath Tagore University, Bhopal.**  
**REGISTRAR**  
 Rabindranath Tagore University

Authorized Signatory  
 RVSKVV, Gwalior  
**DIRECTOR RESEARCH SERVICES**  
 Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya  
 Gwalior - 474002 - M.P. India

Witness 1:

Signature.....

Name.....**Dr. Nikal Saxena**

Designation.....**Mod. Physical Educator RNTU,**

Witness 2:

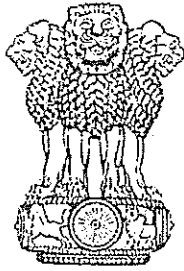
Signature.....

Name.....**Dr. K. Akshay Kumar**

Designation.....**RVSKVV, Gwalior**

INSTITUTION 1	INSTITUTION 2
<b>Rabindranath Tagore University, Bhopal</b>	<b>Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya</b>
Address: Village: Mendua ,Post: Bhojpur, Near Bangrasiya chouraha, Bhopal-Chiklod Road ,District: Raisen,(M.P.)	Address: Raja Panoram Singh Pahadgarh Marg, , Gwalior, Madhya Pradesh 474002
Contact Details: 07552700484, 07552700447	Contact Details:
E-mail: iqac@aisectuniversity.ac.in	E-mail: drs@rvskvv.net
Web: www.rntu.ac.in	Web: www.rvskvv.net





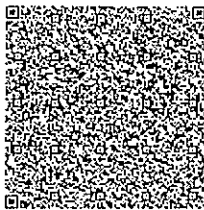
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INDIA NON JUDICIAL

Government of National Capital Territory of Delhi

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 Description of Document : Article 5 General Agreement  
 Property Description : NA  
 Consideration Price (Rs.) : 0  
 (Zero)  
 First Party : IFFCO NEW DELHI  
 Second Party : TNAU COIMBATORE AND SIX OTHERS  
 Stamp Duty Paid By : TNAU COIMBATORE AND SIX OTHERS  
 Stamp Duty Amount(Rs.) : 100  
 (One Hundred only)



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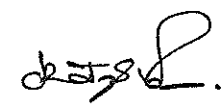

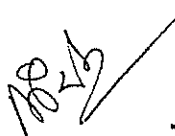



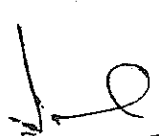

INSTRUMENT NO. 14/2024

Please write or type below this line

MEMORANDUM OF UNDERSTANDING (MoU) FOR CONTRACT RESEARCH

1.1 THE AGREEMENT

This Memorandum of Understanding (MoU) is signed on this ..... day of February, 2024 (the effective date) by and between the following parties

Signature of I Party    Signature of II Party    Signature of III Party    Signature of IV Party    Signature of V Party    Signature of VI Party    Signature of VII Party    Signature of VIII Party

Separator, 2/15/24

### **First Party**

Indian Farmers Fertiliser Cooperative Limited, a Multistate Co-operative Society registered under the provisions of the Multistate Co-operative Societies Act, 2002 with registered number CR-1 and having its registered office at IFFCO Sadan, C-1 District Centre, Saket Place, New Delhi 110017, India, hereinafter referred to as "IFFCO"

### **Second Party**

Tamil Nadu Agricultural University, is a government institution having its main campus at Lawley Road, Coimbatore, Tamil Nadu - 641003, India, hereinafter referred to as "TNAU"

### **Third Party**

Indian Agricultural Research Institute is a premier agricultural institution established in 1905, now having its registered office at Pusa Campus, New Delhi - 110012, India, hereinafter referred to as "IARI"

### **Fourth Party**

Institute of Nano Science and Technology (INST), an autonomous institute of the Department of Science and Technology, Government of India, having its registered office at Sector - 81, Knowledge City, Sahibzada Ajit Singh Nagar, Mohali, Punjab -140306, India, hereinafter referred to as "INST"

### **Fifth Party**

Central Research Institute for Dryland Agriculture, an autonomous organization under the Indian Council of Agricultural Research, having its registered office at Santoshnagar, Saidabad PO, Hyderabad - 500059, Telangana, India, hereinafter referred to as "CRIDA"

### **Sixth Party**

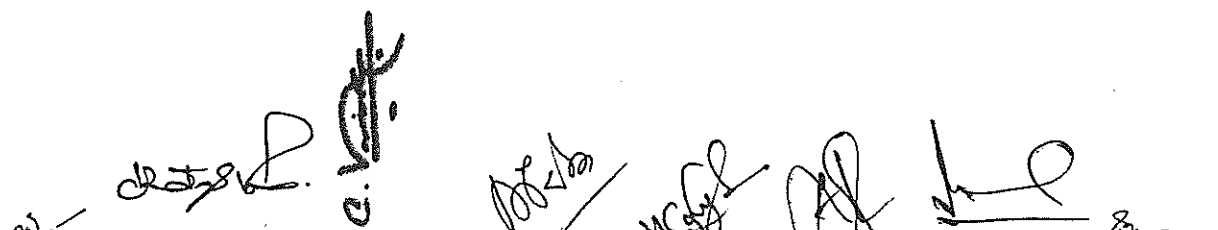
GB Pant University, a public agricultural university having its main campus at Pantnagar, Tanda Range, Uttarakhand - 263145, India, hereinafter referred to as "GBPUAT"

### **Seventh Party**

Vasantrao Naik Marathwada Krishi Vidyapeeth is a public agricultural university established in 1972, having its administrative office at 7Q2W+83F, Basmat Road, Krishinagar, Parbhani, Maharashtra - 431402, India, hereinafter referred to as "VNMKV"

### **Eighth Party**

Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya university was established in 2008, having its main campus at Race Course Road, Gwalior, Madhya Pradesh - 474002, India, hereinafter referred to as "RVSKVV"

  
Signature of I Party      Signature of II Party      Signature of III Party      Signature of IV Party      Signature of V Party      Signature of VI Party      Signature of VII Party      Signature of VIII Party

IFFCO is an organisation committed to augment the incremental incomes of farmers by helping them to increase their crop productivity through balanced use of energy efficient fertilizers; maintain the environmental health; and to make cooperative societies economically and democratically strong for professional services to the farming community to ensure an empowered rural India.

TNAU is one of the leading agricultural universities in India involved in offering agricultural education, research and extension in the state of Tamil Nadu. TNAU offers fourteen undergraduate degree programmes, thirty three graduate degree programmes and twenty eight doctoral programmes all over Tamil Nadu.

IARI focuses on agricultural education, research, cultivar development, natural resource management and dissemination of innovative agricultural practices. Its contributions encompass improved crop varieties, sustainable farming methods, advanced technologies, revolutionizing food production and rural livelihoods. IARI's rich legacy of scientific excellence, education, and outreach has shaped the modern agriculture in India.

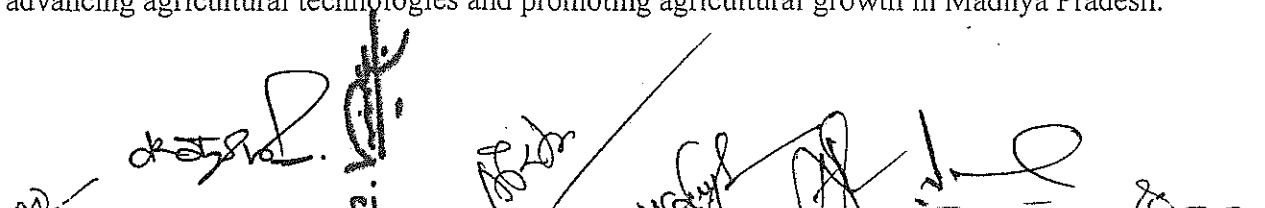
INST conducts pioneering research in nanoscience, covering areas like materials, energy, healthcare, and the environment. INST strives to harness nanotechnology's potential for societal benefit by conducting interdisciplinary research, fostering collaborations, and developing innovative nanomaterials and technologies.

CRIDA plays a pivotal role in developing innovative and sustainable agricultural practices tailored to arid and semi-arid climates. It conducts extensive research on crop management, soil conservation, water management, and climate-resilient farming techniques. Its efforts aim to enhance food security, alleviate rural poverty, and mitigate the impact of climate change on agriculture in India's dryland areas.

GBPUAT is a renowned institution known for its pioneering work in agriculture, forestry, and allied sciences. The university's research initiatives focus on crop improvement, environmental conservation, and livestock development. Its significant contributions have positively impacted agriculture in the Himalayan region, ensuring food security and rural prosperity.

VNMKV offers a range of undergraduate and postgraduate programmes in agriculture and allied fields, promoting agricultural innovation and sustainable practices. It plays a pivotal role in enhancing agricultural productivity, rural development, and farmer welfare in Marathwada region contributing to the overall agricultural growth and food security in the state of Maharashtra.

RVSKVV focuses on agricultural education, research, and extension activities, catering to the agricultural needs of the region. The university offers undergraduate, postgraduate, and doctoral programmes in various agricultural and allied disciplines. It plays a vital role in advancing agricultural technologies and promoting agricultural growth in Madhya Pradesh.

  
Signature of I Party    Signature of II Party    Signature of III Party    Signature of IV Party    Signature of V Party    Signature of VI Party    Signature of VII Party    Signature of VIII Party

Whereas

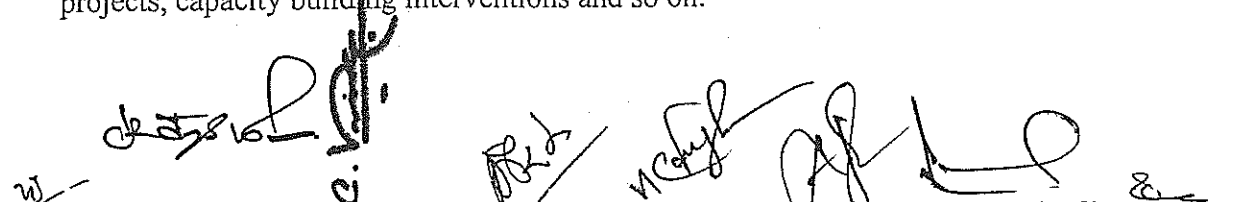
The signatories agree:

**ARTICLE I  
Common Shared Vision**

- 1.1 Signatories of this agreement share the common vision of improving crop nutrition and soil health through the development and promotion of balanced fertilisation practices.
- 1.2. Signatories of this agreement agree in principle to establish for themselves a preferential institutional partner status.

**ARTICLE II  
Commitment of the Signatories**

- 2.1. TNAU is the lead centre for the network project entitled “Insights and field validation of Nano Fertilizers in major crops under different agro ecosystems” and will coordinate entire activities related to it. IFFCO, TNAU, CRIDA, INST, IARI, GBPUAT, VNMKV, and RVSKVV commit themselves to work together in a collaborative, collegial relationship of mutual benefit with the contribution of complementary skills and resources towards the common shared vision with the following objectives or objectives proposed in the project proposal of the concerned institutes
  1. To validate the impact of Nano Fertilizers on physiological, growth and yield traits in major crops of India.
  2. To estimate the effects of Nano Fertilizers on nutrient use efficiency, biological nitrogen fixation, GHG emissions and carbon foot print through geo-spatial tools.
  3. To standardize the drone spraying procedures for Nano Fertilizer formulations in major crops of India.
  4. To implement large scale demonstrations of Nano Fertilizers in major crops under different agro ecosystems.
  5. To organise other professional activities like conferences, workshops and seminars in agriculture and related areas.
  6. To organise educational programmes in the areas related to agriculture and allied sector.
  7. To work together both nationally and internationally for joint action research, joint field projects, capacity building interventions and so on.

  
Signature of I Party    Signature of II Party    Signature of III Party    Signature of IV Party    Signature of V Party    Signature of VI Party    Signature of VII Party    Signature of VIII Party

## 2.2. Other Activities

The above-mentioned activities are not exclusive; other activities may be considered where ever possible and appropriate, such as:

- Joint academic programmes
- Exchange of academic information and materials
- Organization of other academic exchanges agreeable to both organisations
- Other areas of mutual interest

When relevant, the above-mentioned activities will be described in a specific document.

### ARTICLE-III

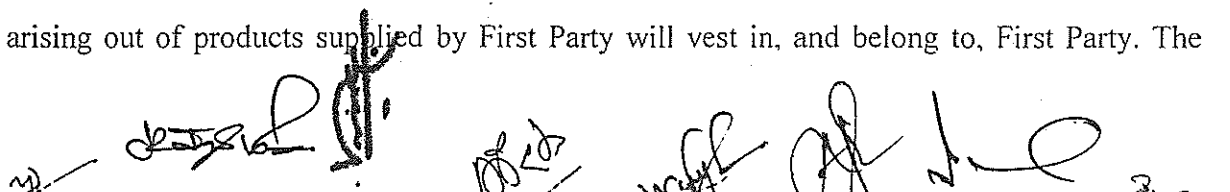
#### **Publication & Intellectual Property Rights**

##### **General clauses:**

INTELLECTUAL PROPERTY RIGHTS means patents, copyright, database rights, design rights, intellectual property rights in Confidential Information (including know-how, trade secrets, secret formulae and processes), inventions, all whether registered or not and including all applications for any of them and all equivalent rights in all parts of the world, whenever and however arising for their full term, and including any divisions, re-issues, re-examinations, continuations, continuations-in-part, and renewals, and any moral rights. IFFCO has invented Nano Products (Super nano urea, Super nano urea plus with sulfur, Nano NPK and Nano trace elements) and applied for IPR registration in its name. It is clearly understood by the Parties, notwithstanding anything contrary herein or elsewhere, that the IPRs in respect of Nano products will be exclusively owned by IFFCO/ First Party.

- a. While it is not anticipated that significant registrable INTELLECTUAL PROPERTY RIGHTS are generated by the Project, each Party will ensure appropriate protection of Intellectual Property Rights generated from cooperation pursuant to this MoU, consistent with their respective laws, rules and regulations to which both Parties are committed.

Notwithstanding the foregoing, any INTELLECTUAL PROPERTY RIGHTS or results arising out of products supplied by First Party will vest in, and belong to, First Party. The

  
Signature of I Party    Signature of II Party    Signature of III Party    Signature of IV Party    Signature of V Party    Signature of VI Party    Signature of VII Party    Signature of VIII Party

First Party hereby grants the Other Party (Second to Eight) a non-exclusive licence to such INTELLECTUAL PROPERTY RIGHTS for its research and teaching purposes only.

- b. The Parties shall not assign any rights and obligations arising out of the INTELLECTUAL PROPERTY RIGHTS generated to inventions/activities carried out under the MoU to any third party without the consent of the other Party.


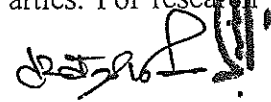
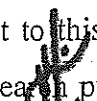
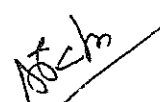

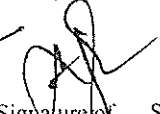
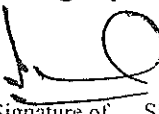
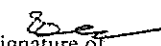
**Non-analysis:**

Whereas the First Party is providing the product samples (Super nano urea, Super nano urea plus with sulfur, Nano NPK and Nano trace elements) for this PROJECT, defined by this MOU, solely and at no cost to the Other Party (Second to Eighty), the All Party (Second to Eighty) agrees,

- i. not to analyse, or have analysed, any First Party -provided sample in order to determine its chemical structure or method of manufacture nor, unless expressly agreed in writing with First Party /a relevant affiliate of First Party, permit third parties to do the same;
- ii. save as is expressly necessary for the performance of the PROJECT, not to pass all or part of any First Party -provided sample to any third party;
- iii. not to use any First Party -provided sample for any purpose other than carrying out the PROJECT;
- iv. to use all reasonable means to keep the First Party -provided samples secure and limit dissemination of First Party -provided samples to those of its employees who require access to such First Party samples for the PROJECT; and
- v. upon the conclusion of the PROJECT, to either return promptly to First Party /a relevant affiliate of First Party (or its/their nominee) or, at the option of First Party, destroy any remaining First Party -provided samples in whatever form then in its possession or control and certify such to First Party.

**Publication**

Any publication, document and/or paper arising out of joint work conducted by the Parties pursuant to this MoU will be jointly owned, and may be freely used by, the Parties. For research publications individual institution (second to eight parties) will

							
Signature of I Party	Signature of II Party	Signature of III Party	Signature of IV Party	Signature of V Party	Signature of VI Party	Signature of VII Party	Signature of VIII Party

own the responsibilities, subject to First Party's approval of any research publication, which approval shall not be unreasonably withheld and due credit will be given to both the Parties. All parties (Second to Eight) will ensure that none of First Party's Confidential Information will be disclosed in any research publication.

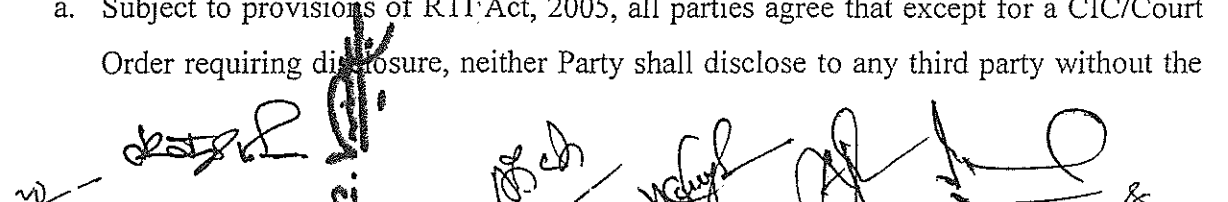
**Confidential Information:**

- a. "Confidential Information" means any or all data and information (including First Party -provided product) relating to the Project disclosed or supplied by a Party (Disclosing Party) to the other Party (Recipient) under this Agreement, in writing and marked "confidential" or, if disclosed orally or visually, identified as confidential or proprietary at the time of disclosure and reduced to writing within thirty (30) days of such disclosure. The results of the Project will be the First Party's Confidential Information however the First Party will not unreasonably withhold its consent to the Other Parties (Second to Eight) to use such results in a publication.
- b. All Confidential Information to be exchanged pursuant to this Memorandum of Understanding will be kept confidential by the Parties and will be used subject to such terms as each Party may specify. A Party will not use the Confidential Information for purposes other than that specified without the prior written consent of the other Party.
- c. All Confidential Information shall remain the exclusive property of the Disclosing Party. The Parties agree that the disclosure of the Confidential Information does not grant or imply license, interest or right to the Recipient, in respect to any INTELLECTUAL PROPERTY RIGHT of the other Party.

**ARTICLE-IV**

**Disclosure of Confidential Information**

- a. Subject to provisions of RTI Act, 2005, all parties agree that except for a CIC/Court Order requiring disclosure, neither Party shall disclose to any third party without the

  
Signature of I Party    Signature of II Party    Signature of III Party    Signature of IV Party    Signature of V Party    Signature of VI Party    Signature of VII Party    Signature of VIII Party

written consent of the other, any Confidential Information made available by the Disclosing Party, and such Confidential Information will only be used in the performance of work and/or generated by the performance of work, under this Agreement, except information which at the date hereof was:

- I. In the public domain
  - II. Known to the Recipient or its affiliates prior to the date of disclosure as evidenced by written documents subsequently
- b. The provisions in this Article shall survive termination or completion of the Memorandum of Understanding for a period of five (5) years.

**ARTICLE-V**


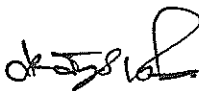



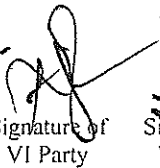
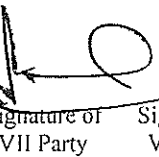
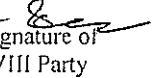
**Financial Arrangements**

The First Party shall be 100% financially responsible for the execution of the PROJECT; the other Parties (Second to Eight) will be 100% responsible for and carrying out the PROJECT thereof after the handing over of the PRODUCT by the First Party.

**ARTICLE-VI**

**Arbitration**

In the event of any dispute or difference between the parties hereto, arising out of or in connection with this agreement such dispute or differences shall be resolved amicably by mutual consultation or through the good offices of the Parties. In case the dispute is not settled completely within 3 months *w.e.f.* the receipt of written notice of this effect than only the dispute or differences shall be refereed for arbitration as per the provisions of the Arbitration and Conciliation Act, 1996 and the rules there under, as amended from time to time, or any enactment in place thereof by a sole arbitrator to be appointed by mutual consent of parties. The seat and venue of arbitration shall be

							
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New Delhi and arbitration proceedings shall be conducted in English. Parties agree to bear the cost of arbitration unless the award provides otherwise. Arbitration award shall be final and binding on the Parties. The legal dispute(s), if any, shall be resolved by the parties by resorting to court(s) situated within the territory of NCT of Delhi.

**ARTICLE-VII**

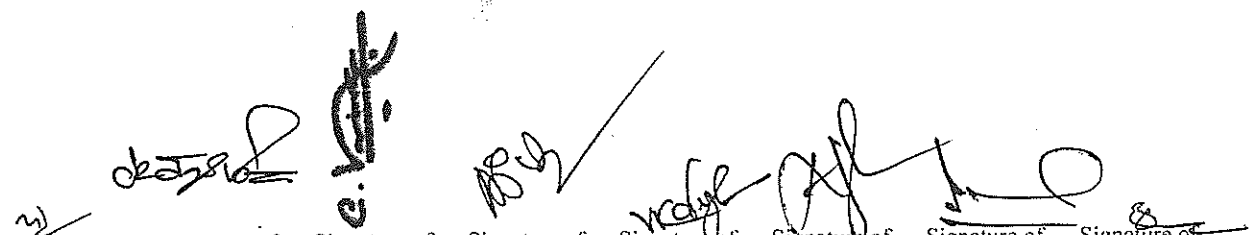
**Force Majeure**

Neither Party shall be held responsible for non-fulfilment of their respective obligation under this MoU due to the exigency of one or more of the force majeure events, such as but not limited to acts of God, war, flood, earthquakes, strikes, lockouts, epidemics, riots, civil commotion etc., which event could not be foreseen or avoided by the reasonable action of the affected Party, provided on the occurrence and cessation of any such events the Party affected thereby shall give a notice in writing to the other Party within one month of such occurrence or cessation. If the force majeure conditions continue beyond 6 months, the Parties shall jointly decide about the future course of action.

**ARTICLE-VIII**

**Validity / Termination**

The MoU shall be effective from the date of its signing by all the Parties. The MoU shall be valid for a period of five years, w.e.f. date of signing, unless a Party serves notice on the other of its intention to terminate it. In which event, the Memorandum of Agreement shall stand terminated at the end of one calendar month from the date of issue of such a notice. But the termination of this Memorandum of Agreement shall not affect the (i) survival of confidentiality obligations; and (ii) validity or duration of specific collaborative programme already being undertaken thereunder, unless decided otherwise by the Parties by mutual consent.

  
Signature of I Party    Signature of II Party    Signature of III Party    Signature of IV Party    Signature of V Party    Signature of VI Party    Signature of VII Party    Signature of VIII Party

The Parties hereunto have signed on this on this..... Day of 14 Feb, 2024, in eight originals in English, the texts in all eight being equally authentic.

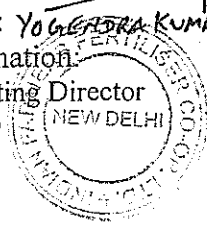
SIGNED on behalf of IFFCO

SIGNED on behalf of TNAU

SIGNED on behalf of IARI

SIGNED on behalf of INST

Name: Yogendra Kumar  
 Designation: Marketing Director  
 IFFCO  
 Seal



Name: [Signature]  
 Designation: Registrar  
 TNAU  
 Seal

Name: [Signature]  
 Designation: Director  
 IARI, New Delhi  
 Seal

Name: [Signature]  
 Designation: Director  
 INST  
 Seal

Witness  
 1. [Signature]  
Rajiv Prasad Pandey  
 (HOD)  
 2. [Signature]  
Taranjit Singh  
 Head (CS), IFFCO

Witness  
 1. [Signature]  
M. Ravendran  
 2. [Signature]  
Dr. M. Prasanthrajan, Ph.D.

Witness  
 1. [Signature]  
 2. [Signature]  
Pravin Kumar  
 Scientist, IARI

Witness  
 1. [Signature]  
 2. [Signature]  
B. Singh

SIGNED on behalf of CRIDA

SIGNED on behalf of GBRUAT

SIGNED on behalf of VNMKV

SIGNED on behalf of RVSKVV

Name: [Signature]  
 Designation: Director  
 CRIDA  
 Seal

Name: [Signature]  
 Designation: Director  
 GBRUAT  
 Seal

Name: [Signature]  
 Designation: Vice-Chancellor  
 VNMKV  
 Seal

Name: [Signature]  
 Designation: Registrar  
 RVSKVV  
 Seal

Witness  
 1. [Signature]  
K.A. Gopinath  
 Sr. Scientist  
 2. [Signature]  
V. Visha Kum  
 Sr. Scientist

Witness  
 1. [Signature]  
Rajesh Kumar  
 Professor, Agronomy  
 2. [Signature]  
J.P. Prasad  
 Professor, Entomology

Witness  
 1. [Signature]  
Pravin Kumar  
 HEAD  
 Soil Sci. & Agril. Chemistry  
 V.N.M.K.V. Parbhani  
 2. [Signature]  
M.S. Pandey

Witness  
 1. [Signature]  
 2. [Signature]  
[Signature]

Signature of I Party    Signature of II Party    Signature of III Party    Signature of IV Party    Signature of V Party    Signature of VI Party    Signature of VII Party    Signature of VIII Party

## MEMORANDUM OF UNDERSTANDING

Between

*RAJMATA VIJAYARAJE SCINDIA KRISHI VISHWA VIDYALAYA, GWALIOR (MADHYA PRADESH)*

and

*CHAMBAL AGRO FARMER PRODUCER COMPANY LTD, GWALIOR, MADHYA PRADESH*

*For facilitating  
POTATO PRODUCTION (G0-G2)/ providing potato to relevant farmers/ Marketing / Training  
Program*

This Memorandum of Understanding (Hereinafter referred to as MoU) is made on this Monday day of the month of 13<sup>th</sup> December, 2023 in the year, 2023 by and between the *RAJMATA VIJAYARAJE SCINDIA KRISHI VISHWA VIDYALAYA, GWALIOR (MADHYA PRADESH)*, on the ONE PART and the *CHAMBAL AGRO FARMER PRODUCER COMPANY LTD, GWALIOR, MADHYA PRADESH* having its headquarters at *Gwalior (45, Govardhan Colony, Gwalior-Madhya Pradesh State)* [Hereinafter called Second party] on the OTHER PART (who for the purpose of this MOU are hereinafter collectively referred to as the parties) shall be involved in *POTATO PRODUCTION, skill development, farmers training, marketing solutions, trainers training program for aeroponics and other activities* related to agriculture and allied sectors for betterment of farmers' economy and overall improved livelihood of the farm families.

The parties, having discussed fields of common research interests and allied activities between the two institutions/organisations, have decided to enter into collaboration for different activities/ programmes mentioned in para one and other activities deem suitable for both the parties time to time.

The "First Party", The "Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya (RVSKVV), Gwalior has been established by Govt. of Madhya Pradesh vide ordinance No. 4 of 2008 notified in the Extraordinary Gazette No. 507 dated 19<sup>th</sup> August, 2008. As per RVSKVV act (No. 4, Year 2009), the state Agricultural University (SAU) is Located in the city of Gwalior, Madhya Pradesh. and the territorial jurisdiction of the Vishwa Vidyalaya is spread over 26 districts of Madhya Pradesh. WHEREAS the "Second Party", The *CHAMBAL AGRO FARMER PRODUCER COMPANY LTD, GWALIOR, MADHYA PRADESH* incorporated on 26 September, 2019. It is classified as a FPO and is located in Gwalior, Madhya Pradesh

The Corporate Identification Number (CIN) of *CHAMBAL AGRO FARMER PRODUCER COMPANY LTD, GWALIOR, MADHYA PRADESH* is U01100MP2019PTC049677. The

registered office of *CHAMBAL AGRO FARMER PRODUCER COMPANY LTD, GWALIOR, MADHYA PRADESH* is at 45, Govardhan Colony, Gwalior, Madhya Pradesh State.

Chambal Farmer Producer Organization (FPO) is a type of Producer Organisation (PO) where farmers are its members. Chambal Farmer Producer Company registered under section 2013 (1) of Companies Act, 2013 (18 of 2013). The FPO is an organisation of any produce, such as non-farm products, agricultural, artisan products, etc., by producers. The Small Farmers' NITI AAYOG, Agricultural University, CIAE, Bhopal and NABARD provide support for FPOs promotion. The basic aim of our FPO to develop self-sustainable villages through Organic farming, natural farming, potato contact farming, beekeeping training programmes in Chambal division and Nodal Institute for DAESI diploma facilitator and continue training program of farmers in above areas. This is very long process to reduce synthetic and chemical fertilizer from farmer land and try to motivate farmer to use traditional, organic and natural farming practices.

The aggregation of marginal, small and landless farmers as our FPOs has helped increase market linkages to improve farmers' income and their economic strength. It provides end-to-end services and support to the small farmers and covers marketing, technical services, processing, marketing and other aspects of cultivation inputs.

It provides following relevant major services and activities for their development which would cater to increasing farmer's income:

#### **1. CONTRACT FARMING WITH PEPSICO (2021- CURRENT)**

Outcome:

- ✓ Sugar free potato cultivation in different villages of Madhya Pradesh through PepsiCo company.
- ✓ Provide 100% definite buyback with pre - determined and fixed prices.
- ✓ Revenue generations of INR 45 lakh through 45 acres of cultivation connecting 100 farmers.
- ✓ Current pipeline in process for 1000 Acres which will generate revenue worth INR 9 Cr connecting 800 farmers

#### **2. FARMERS FORWARD LINKAGE (SHAPE AND ORGANIC PROJECT) PROGRAM WITH NITI AAYOG & AGRICULTURAL DEPARTMENT OF GUNA M.P. (2022-2023)**

Outcome:

- ✓ Organic Farming Training for 500 farmers in 3 block
- ✓ Forward Linkage (Marketing & Sales) from organic produce worth INR 3 laks (in Phase 1, to be continued till Phase 3)
- ✓ Sale counters created at Kisan Care Agri Input stores and

- ✓ Call/ Whatsapp ordering system

### 3. ORGANIC FARMING INITIATIVE (2021-2022)

#### Outcome:

- ✓ Organic conversion of 200 Acres of land connecting 300 farmers.
- ✓ Agri Input cost reduction of 60% via organic inputs rather than chemical inputs
- ✓ Created 15 Vermi Compost Operational Infrastructure (Pits) in 15 villages a Demonstration
- ✓ Maintain soil health by promoting organic/ natural farming and reducing the synthetic & chemical fertilizer
- ✓ Aligning with Mission Jaivik Bharat, 500 more farmers from 20 different villages have shown interest for the same

### 4. CORPORATE SOCIAL RESPONSIBILITY PROJECTS

#### UNITED PHOSPHORUS LIMITED SOLAR ENERGY (2019- 2021)

- ✓ Solar Street Lights installation of 120 solar lights worth INR 25 Lakhs affecting more than 6000 rural populations across 4 villages.
- ✓ Irrigation Water Management through infrastructure development of Local pond affecting one entire village in pipeline.

#### BAYER AG (2020-2021)

- ✓ Distribution of 60 MT Bio fertilizer worth 12 Lakh
- ✓ Distribution of 3000 Maize Patented Variety Seed Kits worth INR 36 lakh
- ✓ Distribution of 4668 Paddy Patented Variety Seed Kits worth INR 58 lakh
- ✓ Distribution of 2000 Vegetable Patented Variety Seed Kits worth INR 1.3 lakh
- ✓ Other Agri Inputs distribution worth INR 12 lakh
- ✓ Pre-Sowing, Harvesting and Agriculture Safety
- ✓ Training for 10,000 farmers across 41 villages.

### 5: BEEKEEPING TRAINING PROGRAM (2023 – TILL DATE)

### 6. STEVIA CONTRACT FARMING (2023 - CURRENT)

#### OTHER PROJECTS (2019-2023)

- ✓ Established 10 Kisan Care Agri Input Stores (Owned by us - Franchise to FPOs).
- ✓ Established Government MSP Procurement Centre (Bajra Mustard and Wheat).
- ✓ Providing FPO consultancy to 11 FPOs in MP, UP and Punjab.

#### ACHIEVEMENTS:

- ✓ ICAR – NAARM Award 2021-?? for Best Emerging FPC

- ✓ ICAR – NAARM Award 2021-22 for Best Agri-Startup
- ✓ Success Story Launch by Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior – Centre for Agribusiness Incubation and Entrepreneurship, Gwalior (RVSKVV-CAIE) during the inauguration of RVSKVV-CAIE Building on Feb 13th 2022 by Hon’ble Central Minister, Agriculture and Farmers Welfare, Hon’ble State Minister, Horticulture – MP and Hon’ble Chairman – NABARD
- ✓ Krishi Bhushan Award at Krishi Manthan 6, The National Agribusiness Summit, December 2-3, 2022
- ✓ Best FPO Award – Agribusiness Carnival, March 15-19, 2023
- ✓ Nodal Training Institute for Diploma in Agriculture.
- ✓ Extension Services for Input Dealers. (DAESI) Diploma

Understanding the scope of participation in this program, the Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya (RVSKVV) and the *CHAMBAL AGRO FARMER PRODUCER COMPANY LTD, GWALIOR, MADHYA PRADESH* having its headquarters at *Gwalior Gram, Udaipur Morar Gwalior-Madhya Pradesh State* sign the memorandum of understanding (MOU) for jointly undertaking the development of low cost farming/agriculture based technologies for farmers in the field of millets (Shree Anna) and organic and natural farming production with the following terms and conditions and agree to carry out that respective responsibilities as detailed in the MOU.

## 1. Scope

Both the institutes are agreed upon to work together in the area of agricultural and technological backstopping to the practicing member farmers.

- Create awareness among farmers about benefits of potato production/organic farming/natural farming and precision agriculture etc.
- Development of vermi-compost pit in farmer land / house under the technical support of RVSKVV, Gwalior can be involved only in HRD. Relevant budget provisions will be sole by the responsibility of second party (FPO).
- To establish a Quality Control Laboratory for green certification with technical help of RVSKVV.
- To identify farmers for quality potato seed production and mini-tubers production through aeroponics.
- Make a campaign to save soil and impart training to the farmers by using organic fertilizer / vermi-compost / green manure etc.
- Encourage farmer to adopt innovative farming practices to enhance ecosystem services.
- Both the institutions in collaboration will submit various projects to state, central government departments and other funding agencies on the objective and ideas discussed above.

## 2. Terms and conditions:

The following terms and conditions will be applicable to both the collaborating University and *CHAMBAL AGRO FARMER PRODUCER COMPANY LTD, GWALIOR, MADHYA PRADESH (FPO)*, as specified in the sub clauses below:

- 2.1 Both the parties will work jointly as per rules and regulations of their statutes. The first party will provide quality potato seed on payment to FPO to distribute among identified and agreed upon mutually member farmers. The cost of seed will be decided with mutually discussion later.
- 2.2 This MoU shall become effective on the date it is signed by the parties and shall be valid till both the parties agreed. Both parties shall review the status of the MoU if required to determine any modification, whenever necessary.
- 2.3 All questions issues related to this MoU shall be settled amicably by both parties and disagreement if any shall be forwarded for settlement by arbitrator of mutual acceptance.
- 2.4 The manpower required in aeroponic potato production from tissue culture to G-2 stage shall be borne by the project and after G-2 seed production has to be done in association with FPO at farmer's field. Profit sharing will be done between FPO and university in the ratio of 20:80

2.5 All contractual manpower required in the project for producing seed from G0 to G2 stage will be hired through FPO. The payment to contractual staff will be borne by the University during initial years upto G-2 stage. Thereafter, sharing will be done as per profit.

3 All disputes, differences, claims and questions between the Parties hereto arising out of this MoU or in any way relating hereto or any term, condition or provision herein mentioned or the construction or interpretation thereof or otherwise in relation hereto, whether during its currency or after its expiry/ termination, shall be resolved amicably. In case any dispute remains unresolved for a period of 30 days same shall be referred to sole Arbitrator to be appointed in accordance to Arbitration and Conciliation Act, 1996 and any amendment, rules thereto. The venue of Arbitration shall be Gwalior and language shall be English only. The decision / award passed by the Sole Arbitrator shall be final and binding on the Parties.

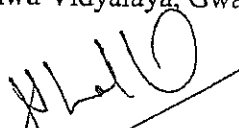
3.1 The RVSKVV, Gwalior Reserves all the rights to cancel the MoU at any time without assigning any reason and justification to Chambal Agro Farmer Producer Company Ltd., Gwalior, MP.

Executed this Wednesday day of 13<sup>th</sup> December, 2023 for a period of 05 years, and further extendable with the consent of both the parties

In Witness Whereof, the authorized representatives of both parties have hereinto affix their signature below:

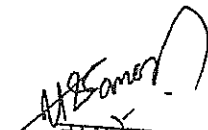
For the

Rajmata Vijayaraje Scindia Krishi  
Vishwa Vidyalaya, Gwalior.

  
(Director Research Services)  
R.V.S.K.V.V., Gwalior (M.P.)

For the

CHAMBAL AGRO FARMER  
PRODUCER COMPANY LIMITED

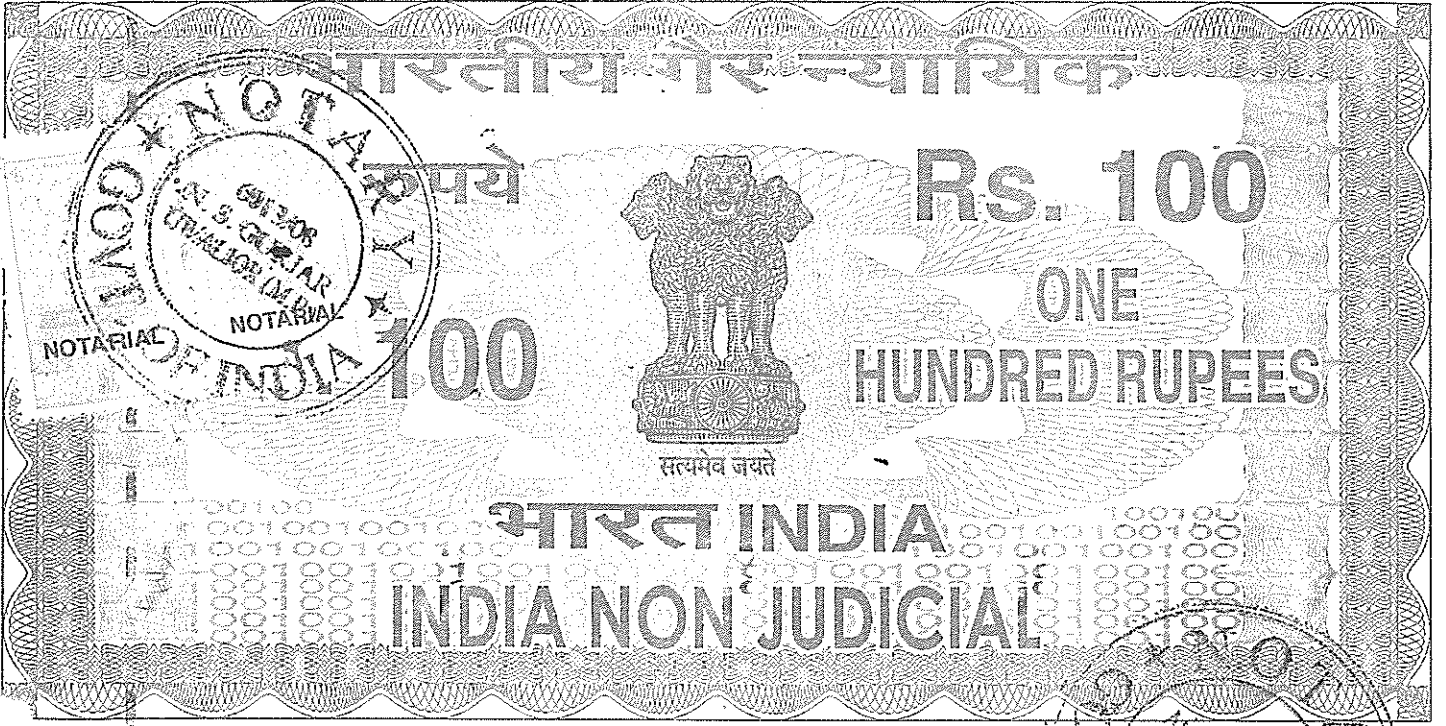
  
(FPO Director)  
चम्बल एग्रो फार्मर प्रोड्यूसर कम्पनी लिमिटेड  
ग्वालियर (म.प्र.)

Signed in the presence of

1. Director Extension Services, RVSKVV, Gwalior.
2. Coordinator, CHAMBAL AGRO FARMER PRODUCER COMPANY LIMITED, (FPO)

DRS. R.V.S.K.V.V. Gwalior (M.P.)  
Dispatch No. 3/32  
Date 13-12-2023





मध्य प्रदेश MADHYA PRADESH

Memorandum of Understanding  
between

ICAR-Directorate of Groundnut Research, (Junagadh, Gujarat,  
(Name of the ICAR Institute)

and

Rajmata Vijayaraje Scindia Krishi Vishwa vidyalaya (Gwalior)

University/DU [Within NARS (AUs/ICAR DUs) or Outside NARS (Central/State Govt./Public  
Sector Funded Institutions/State Universities/Autonomous Bodies/Private Universities or  
Institutions)]

for facilitating

Students' Training/Postgraduate Research

This Memorandum of Understanding (hereinafter referred to as MoU) is made on this 27 of the month of April in the year 2024 by and between the INDIAN COUNCIL OF AGRICULTURAL RESEARCH- Directorate of Groundnut Research, Junagadh, Gujarat having its Head Office at Post box- 5, Ivnagar Road, Junagadh 362001, Gujarat [hereinafter called "ICAR-DGR."/"First party], a constituent Research Institution of the Indian Council of Agricultural Research, Krishi Bhavan, New Delhi-110 001 on the ONE PART and Rajmata Vijayaraje Scindia Krishi Vishwa vidyalaya (Gwalior) [Name of the AU/ICAR-DU (Within NARS) or Central/State Govt./Public Sector Funded Institution/State Agriculture University/Autonomous Body/Private University or Institution having its headquarters at Gwalior hereinafter called "Second

ATTESTED [Signature of First Party]

[Signature of Second Party]

N. S. Gurjar  
Notary  
Gwalior

26 APR 2024

party"/Second party] on the OTHER PART (who for the purpose of this MoU are hereinafter collectively referred to as the parties).

The parties, having discussed fields of common research interests and allied activities between the two institutions, have decided to enter into long-term collaboration for promotion of students' training and quality postgraduate research in cutting edge areas in accordance with the provisions contained in the Guidelines issued vide Letter No. 2-8/2012-IIRD dated 11<sup>th</sup> December, 2012 or as revised from time to time.

WHEREAS the "First Party" is involved in the Groundnut research in the disciplines of Genetics, Biotechnology, Breeding, Genetic Resource management, Agronomy, Soil Science, Entomology, Plant Pathology, Microbiology, Crop Physiology and Biochemistry (specific mandated domain within the approved disciplines/divisions), AND WHEREAS the "Second Party", established vide F. No. 507 dated 19/07/2008 by Govt. of India/Govt. Of Madhya Pradesh (Name of the Agency) vide Act No 4 of 2008 and recognized by University Grants Commission at its Departments in teaching, research and training for groundnut improvement. (Specific areas of research).

AND WHEREAS it has been considered expedient to agree in writing to participate jointly in the projects requiring expertise and logistics from both the parties.

### Article 1. Scope

- 1.1. The Second party will recognize the First party as an Institute for conducting research related to the thesis requirement of the research students for Phd/PG (Name of the degree programme), The Second party will recognize Scientists of the ICAR Institute as recommended by its Director in accordance with the University rules and regulations for guiding students working for the said degree.
- 1.2. Operational details of research effort and collaboration will be made in common research programmes and/or projects restricted to specific mandated domain within the approved disciplines/divisions. The objective(s) for research work for a student coming from a Second party outside NARS should be exclusively different as far as possible.
- 1.3. Research instrumentation facility and library facilities available with the First party and the Second party will be made available to the faculty and research scholars. However, the costs of specific consumables will be borne by the respective organizations.
- 1.4. There shall be an exchange of students for academic, research and training purposes. Accommodation in the Hostel shall be arranged, wherever possible, as per extant rates. The duration of exchange visits will be determined by mutual consent between both the parties.

### Article 2. Management

- 2.1. Director of the First party and the Vice-Chancellor/Head of the Institution of the Second party will be responsible to work out operational details of co-operation between the two organizations and ensure proper and effective implementation of this Moll.
- 2.2. The Advisory Committee will meet at least once in a year alternatively in the institutions of the First party and the Second party to review the activities. This meeting shall include presentation on the academic and research activities, which should be open to the students, faculty and scientists.

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J. S. GUNJAR  
Notary  
Gwalior

[Signature of First Party]

[Signature of Second Party]

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### Article 3. Exchange of Information

- 3.1. The term "information" includes scientific or technical data, results and/or methods of investigation, and other information, intended to be provided, exchanged, or arising under project descriptions entered into pursuant to this MoU.
- 3.2. The parties support the widest possible dissemination of information. Each party in joint projects shall be given the right to use, disclose, publish or disseminate such information for any and all purposes.

### Article 4. General Provisions

- 4.1. It is understood that the First party and the Second party subscribe to the principle of equal opportunity and do not discriminate on the basis of race, sex, age, caste or religion. Both the Institutions shall abide by these principles in the administration of this agreement and neither party shall impose criteria for exchange of scholars or students, which violate principles of non-discrimination.
- 4.2. Both parties understand that all financial agreements will have to be negotiated separately and will depend on the availability of funds.
- 4.3. Both parties acknowledge that exchange of students from one party to the other shall be subject to the availability of funds and shall comply with the regulations and policies of the First party and the Second party.
- 4.4. Any research publications arising will be jointly published in accordance with the provisions laid out in Item 3.2.1C of the Guidelines for the students to conduct research for their degree programme as trainees at ICAR Institutions as notified vide Letter No. 2- 8/2012-HRD dated 11<sup>th</sup> December, 2012 or revised guidelines, if any, as may be issued from time to time.
- 4.5. A copy of the thesis/dissertation will be submitted to the First Party after the award of the degree by the Second party.
- 4.6. All questions related to this MoU arising during its term will be settled by the parties by mutual agreement. Disagreements at the operating level shall be forwarded to respective higher officials for appropriate resolution failing which an arbitrator of mutual acceptance may be identified for the settlement of dispute, if any.
- 4.7. All questions not foreseen related to this MoU will be handled by the parties by mutual agreement.
- 4.8. Nothing in this MoU is intended to affect other cooperation or collaborations between the parties.

### Article 5. Intellectual Property Rights

- 5.1. The Second party will be expected to ensure protection of the Intellectual Property Rights generated or likely to be generated during the student's research work. The ICAR as the first applicant (for its institute) and the Second party shall be the joint applicants for IPRs and the students and involved scientific staff shall be included as the inventor/breeder/author. The 'ICAR Guidelines for Intellectual Property Management and Technology Transfer/Commercialization' as amended from time to time shall be the reference for exploitation of the generated intellectual property, whose management and benefits sharing shall be mutually decided in each case.

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[Signature of First Party]

N. S. Gurjar  
Notary  
Gwalior

26 APR 2024

[Signature of Second Party]

## Article 6. Admission and Fees

- 6.1. All those who wish to register as trainees or for Master/Doctoral programme under this MoU must apply for admission at the Second party. The allocation of Major Guide/Advisor would be finalized before the registration and will be governed by the provisions laid out in Items 3.2.1A and 3.2.2A of the Guidelines for the students to conduct research for their degree programmes as trainees at ICAR institutions as notified vide Letter No. 2-8/2012- IIRD dated 11<sup>th</sup> December, 2012 or revised Guidelines, if any, as may be issued from time to time, for the students from within NARS and outside NARS, respectively.
- 6.2. Admission of the students and the award of degrees for different programmes will be the responsibility of the Second party as per the rules and regulations.
- 6.3. Allotment of the students at the First party will be done by the approval of Director of the First party and Vice-Chancellor/Head of the Institution of the Second party.
- 6.4. The First party would have the right to screen the student's eligibility for admission based on their academic period.
- 6.5. The PME Cell of the First party in consultation with the representative of the Second party shall decide the location and sharing quantum of research work.
- 6.6. The number of student(s) at any particular time will be subjected to the availability of research facilities and scientists' time to guide thesis research at the First party institution.
- 6.7. Any student(s) admitted to the First party for training/postgraduate research, if found violating the rules and regulations laid down by the First party or indulge in such activities that amount to tarnishing the Image of the Institute, or cause damage to the property, the registration of such student(s) would be summarily terminated. The Second party will not complete the formalities of issuing the certificates to such students until they compensate the losses to the First party.
- 6.8. Fees will be charged from the students by the First party as per Guidelines for the students to conduct research for their degree programmes as trainees at ICAR Institutions vide Letter No. 2-8/2012-HRD dated 11<sup>th</sup> December, 2012 or revised Guidelines, if any, as may be issued from time to time. No fee may be charged by the First party from the students registered with AU/DU within NARS. However, a student registered with a Second party, outside NARS, will deposit fee of Rs. 10,000/- for training duration of 3 months (not leading to a degree/dissertation) and Rs. 30,000/- per semester (six months) for training, research, dissertation exceeding three months. Any change in fee structure by ICAR will be applicable from the date of revision and shall be charged by the First party.

## Article 7. Entry into effect, modification and termination

- 7.1. This MoU shall become effective on the date it is signed by the parties and shall be valid for three years extendable up to five years. Both parties shall review the status of the MoU at the end of each three/five-year period to determine any modification, whenever necessary. The period of validity of this MoU may be extended by mutual consent up to five years. This MoU may be amended by mutual written agreement and may be terminated at any time by either party upon written notification signed by the competent authority of the party Initiating termination. Such notification must be given to the other party at least six months in advance from the effective date of termination.

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[Signature of First Party]

N. S. Gurjar

Notary

Gwalior

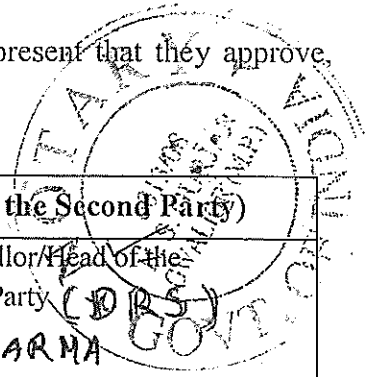
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7.2. All joint activities not completed at the expiration or termination of the MoU may be continued until their completion under the terms of this MoU.

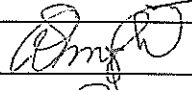
7.3. No amendment or modification of the MoU shall be valid unless the same is made in writing by both the parties or their authorized representatives and specifically stating the same to be amendment of the MoU. The modifications/changes shall become part of the MoU and shall be effective from the date on which they are made/executed, unless otherwise agreed to.

This MoU has been executed in two originals, one of which has been retained by the First party and the other by the Second party).

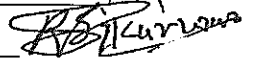
IN WITNESS WHEREOF, the parties have executed this MoU and represent that they approve, accept and agree to terms contained herein.





(Name and Address of the First Party)	(Name and Address of the Second Party)
Name of the Director of the First Party Dr. S.K. Bera.	Name of the Vice-Chancellor/Head of the Institution of the Second Party (DPS) Dr. S. K. SHARMA
Tel. No.: 9426168176	Tel. No.: 9893946434
Date: 27/04/2024	Date: 27/04/2024
Signature with Seal 	Signature with Seal 

Witness 1: 

Witness 2: 

Witness 1: Dr. R. S. SIKARWAR 

Witness 2: Dr. Ekta Joshi 

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N. S. Gurjar  
Notary

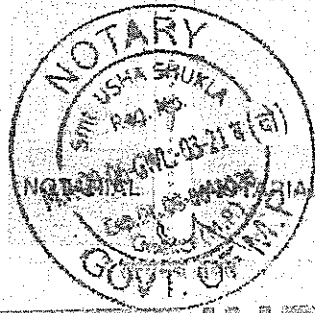
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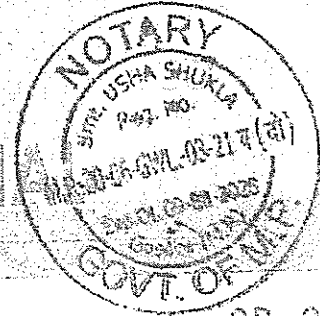
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मध्य प्रदेश MADHYA PRADESH

CB 240158

### Tripartite Agreement

Among Nodal Centre, Higher Education Institution and Mentors

under the Capacity Building Program on Design and Entrepreneurship of the Ministry of Education, Govt of India.

This Tripartite Agreement is made on this( ) at Chennai ('Agreement') (09<sup>th</sup> May 2024)

BY and AMONG

The Malaviya Mission Teacher Training Centre of Indian Institute of Information Technology Design and Manufacturing (IIITDM) Kancheepuram, an institute of national importance under the Ministry of Education, and having its registered office at Melakottaiyur Village, Chennai 600 127, Tamil Nadu, hereinafter referred to as "Nodal Centre"

AND

<<ATAL BIHARI VAJPAYEE-INDIAN INSTITUTE OF INFORMATION TECHNOLOGY AND MANAGEMENT, GWALIOR >> a <<Institute of national Importance under MoE>> and having its office at << Gwalior>> hereinafter referred to as "Higher Education Institution"/ "HEI", which has been identified and approved by the Ministry of Education to participate in the Capacity Building Program on Design and Entrepreneurship

AND

ATTESTED

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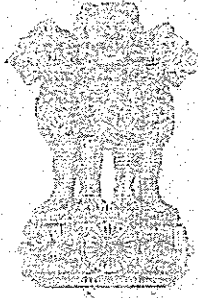
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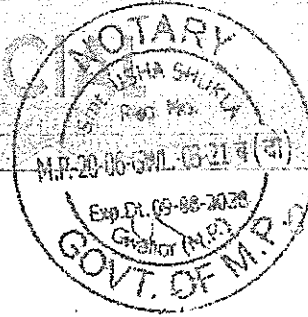
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[Dr. Sanjay Sharma, Mr. Avinash Mishra, Mr. Samir Seth] an individual(s) possessing expertise in the field of design and entrepreneurship, having their principal place of business at Gwalior hereinafter referred to as "Mentor(s)"

WHEREAS, the Nodal Centre, HEI, and Mentors share a common objective of promoting design and entrepreneurship among faculty and students;

WHEREAS, the parties intend to collaborate and facilitate programs, initiatives, and activities aimed at fostering innovation, creativity, and entrepreneurship within the academic community;

WHEREAS, the Nodal Centre is coordinating the program under the guidance of the Program Advisory Council (PAC) appointed by the Ministry of Education, Govt. of India ("MoE")

WHEREAS, the HEI is willing to perform this assignment as per the provisions of this Agreement and the Concept Note (D.O. letter No. 1-4/2023-PN.II dated 29.12.2023) appended herein as Annexure A and the final proposal submitted by the HEI appended herein as Annexure-B.

AND WHEREAS, the Parties are keen to make the present Agreement as good and effective from the date of signing of this Agreement by the HEI hereunder. Hence, the Parties agree that the date of signing agreement (i.e date as per the final signatory) shall be the Effective date.

All Annexures to this Agreement shall be integral part of this Agreement.

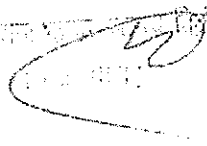
NOW, THEREFORE, in consideration of the mutual covenants and agreements contained herein, the parties hereto agree as follows:



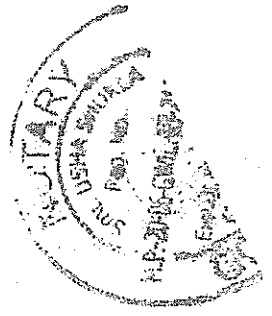
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केन्द्र का पत्र संख्या 100/10/2024 जारी की जा रही है।



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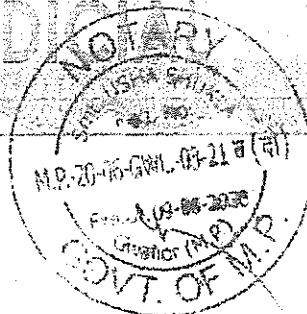
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### 1) Purpose

The purpose of this Agreement is to establish a framework for collaboration between the Nodal Centre, Higher Education Institution, and Mentors to achieve the objective of the Capacity Building Program on Design and Entrepreneurship.

The objective of the Capacity Building for Design and Entrepreneurship program is to enhance the capacity of faculty and HEIs for creative transformation with a specific focus towards design and entrepreneurship development.

The HEIs expected to pursue the following objectives:

- Increase in the proportion of faculty with practical experience in promoting design and entrepreneurial skills and behaviors among students
- Increase in the proportion of common & core courses adopting pedagogy of learning by doing
- Increase in IP creation, i.e., patents & designs generated by students supported by faculty
- Increase in the proportion of students taking entrepreneurship as a career - startup (co)founders, with a good mix of UG/PG/PhD

### 2) Collaborative Activities

The parties agree to collaborate on the following activities:

- a) Identify and encourage a critical mass of faculty to collectively experiment, learn and share experiences in promoting design and entrepreneurship in existing programs, with support from external mentors and practices in near institutions

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b) Collectively create conditions to cultivate behaviors such as tolerance for ambiguity, empathy, persistence, risk taking and IP creation among students by incorporating design and entrepreneurial orientation in existing curriculum and programs through changes in pedagogy, and content where applicable

b) Identify and nurture student teams in their advanced years with interest in entrepreneurship

d) Facilitate networking opportunities between industry experts, investors, and academic stakeholders through workshops, hackathons, field visits

3) Roles and Responsibilities

a. Nodal Centre:

The Nodal Centre for the program will

- 1) Facilitate allocation of mentors in consultation with HEIs
- 2) Conduct curated webinars to share best practices with the HEIs and mentors
- 3) Monitor progress of the program and report progress to the PAC and MoE
- 4) Disburse honorarium to the mentors based on the reports provided by the PI and the mentors. The Nodal Centre will help the HEIs plan the number of sessions based on the funds available. The Parties agree that any disbursement of honorarium to the Mentor/s shall be subject to the funds being made available by the MoE. The Nodal Centre shall not be liable for any delay in payment of honorarium caused due to delay of funds by MoE. Further, in case funds are not released by MoE for any reason, the Nodal Centre shall not be liable to make the payments to the Mentor/s from its own funds. MoE support for mentor honorarium will be as per the budget approved under the scheme (max of 3 mentors and 40 days per mentor per year)
- 5) Maintain accounts of the grant disbursement and submission of UC

b. Higher Education Institution (HEI)

The HEIs are expected to leverage the program to intensify their design and entrepreneurship initiatives as enshrined in NEP, 2020 by making the key interventions recommended in Section IV of Annexure-A. In addition, the HEI shall also undertake the following responsibilities:

- 1) HEIs budget shall cover the following costs
  - a) Travel and guest house accommodation cost for mentors
  - b) Event management costs for 1<sup>st</sup> and 2<sup>nd</sup> year students (hackathons, consumables)
  - c) Prototyping & field visit support for 5-10% of students in advanced years. Each student team may receive support for a maximum of one year
- 2) HEIs may choose a mix of technology, design, business experts, willing to commit 20-40 days per year, and proximity to institute. In case where more than one HEI chooses the same mentor, the mentor preference will be considered
- 3) PI/Co-PI may organize two meetings in a semester to take mentor, faculty and student feedback; Track outcomes at the end of every semester; Share experience within the

institute and with peers. PI/Co-PI may submit the monthly summary on the time spent by mentors and the interactions with faculty and student teams to the Nodal Centre for release of the honorarium; PI/Co-PI must also settle the travel claims of the mentors on a monthly basis as per the terms and conditions agreed

- 4) Commit to identify and mentor another institution in its region to promote design and entrepreneurship after completion of two years of the program.

c. Mentors

Committing 20-40 days per year (with equal spread across the semesters)

- a) Mentors may visit the campus once a week. In case of long-distance travel, mentors may adopt a hybrid mode and visit twice a month in consultation with the PI/Co-PI
  - b) Mentors may submit summary of their interactions with faculty and student teams, and the time spent and the travel costs on a monthly basis to the PI/Co-PI
- 2) Active listening and facilitating generative conversations among faculty and student teams and helping develop tangible actions in terms of pedagogical changes, maturing the ideas, prototype development, and business models
  - 3) Sharing expertise, knowledge, and experience in the field of design and entrepreneurship
  - 4) Participating in workshops, seminars, and other collaborative activities and facilitating networking with industry experts, startup and investor community.

4) Intellectual Property Rights

All Intellectual Property developed or created as a result of the collaborative activities between the HEI & Mentor/s shall be governed by the IPR policy of the HEI. In the absence of an IPR policy of HEI, any and all intellectual property created / developed through collaborations under this Agreement shall be solely owned by the HEI.

"Intellectual Property" for purposes of this Agreement will mean trademarks, service marks, brand names, trade dress, logos, trade names, domain names, corporate names and other indications of origin, the goodwill associated with the foregoing and registrations in any jurisdiction of, and applications in any jurisdiction to register, the foregoing, including any extension, modification or renewal of any such registration or application; inventions, discoveries, designs and ideas, whether patentable or not, in any jurisdiction; patents, applications for patents (including, without limitation, divisions, continuations, continuations in part and renewal applications), and any renewals, extensions, re-examinations or reissues thereof, in any jurisdiction; design registrations and applications, in any jurisdiction; non-public information, trade secrets and confidential information (including know-how, technical data, manufacturing and production processes and techniques, customer and supplier lists, pricing and cost information, and business and marketing plans and proposals) and rights in any jurisdiction to limit the use or disclosure thereof by any person; writings, computer software, and other works, whether copyrightable or not, in any jurisdiction; registrations or applications for registration of copyrights in any jurisdiction, and any renewals or extensions thereof; and any similar intellectual property or proprietary rights.

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- i. Each Party shall use reasonable efforts to prevent the disclosure of the other Party's Confidential Information to the third persons.
  - ii. The HEI and Mentor/s shall return all Confidential Information which is in the custody of such Party upon termination/ expiry of this Agreement and shall not make or retain any copies or record of any Confidential Information, and shall notify to the other Party(ies) promptly of any unauthorized or improper use or disclosure of the Confidential Information.
  - iii. The receiving Party shall not disclose any Confidential Information to any person or entity, without the express written consent of the affected party. The recipient party may only disclose any Confidential Information to any of its employees on a strict need to know basis, only to the extent it is required to carry out its obligations under this Agreement. The receiving Party expressly agrees to be vicariously liable for any breach of confidentiality by any of its employees.
  - iv. Permitted Disclosure of Confidential Information - Notwithstanding the aforementioned clauses, a Party may disclose Confidential Information of the other Party:
    - a. to governmental or other regulatory agencies only to the extent reasonably required by such statutory authorities
    - b. if required to be disclosed by law or court order, provided that notice is promptly delivered to the non-disclosing Party in order to provide an opportunity to challenge or limit the disclosure obligations; and
    - c. to it's employees on "need to know" basis to further its purpose with regard to the use and commercialization of the Product.
  - v. Upon termination of this Agreement, Receiving Party will ensure that all Confidential Information including all documents, memoranda, notes and other writings or electronic records prepared by the Receiving Party and its employees for this engagement are returned to the Disclosing Party.
  - vi. Either Party shall at no time, even after termination, be permitted to disclose Confidential Information, except to the extent that such Confidential Information is excluded from the obligations of confidentiality under this Agreement pursuant to Paragraph above. The onus to prove that the exclusion is applicable is on the Receiving Party. For the purpose of this Agreement, Confidential Information shall mean any and all materials and information concerning the disclosing Party, including without limitation its directors, officers, employees, affiliates, subsidiaries and/or group companies, vendors, users and customers or any third party with which the disclosing Party's associates (collectively, "Affiliates"), disclosed by the disclosing Party to the receiving Party whereby the information is revealed by any method, oral or written whether or not, whether such information is expressly marked or designated as confidential information or not and the information, including without limitation any information with regard terms of this Agreement, Intellectual Property, trade secrets, computer programs, software (including source code, object code and machine code) relating to the foregoing, technical drawings, algorithms, know-how, operating

procedures, processes, designs, reports, specifications, ideas, trade secrets, inventions, schematics, pricing information, and other technical, business, financial, customer and product development plans, financial condition and projections; business, marketing or strategic plans; customer/ user lists; customer/ user data and related information, product prototypes and designs, strategies or any other non-public information disclosed by or related to the disclosing Party, or where such information is reasonably understood to be confidential or proprietary based on the circumstances of disclosure or the nature of the information itself

#### Term and Termination

- i. This Agreement shall commence on the effective date and shall remain in force for a period of two years [2024-2026]. Either party may terminate this Agreement upon [Notice Period] prior written notice to the other parties.
- ii. The agreement shall be signed by all parties, the original will remain with the Nodal Centre and copy will be shared with the HEI.

#### 7) Foreclosure and Termination

In case, during the tenure of the Agreement, it is found that implementation of the program by the HEI is not as per the expectations/ deliverables of the program, the Nodal Centre may exercise the option of foreclosure and immediate termination, at its sole discretion. The Nodal Centre shall not be liable towards the HEI and/or Mentor/s for any lost profits or business opportunities, loss of use, loss of revenue, loss of goodwill, business interruption, loss of data, or any other indirect, special, incidental, or consequential damages under any theory of liability, whether based in contract, tort, negligence, product liability, or otherwise, caused due to such termination.

#### 8) Force Majeure

The Parties shall not be held responsible for non-fulfilment of their respective obligations in successful implementation of the program under this Agreement due to the exigency of one or more of the force majeure events such as but not limited to acts of God, war, flood, earthquakes, strikes not confined to the premises of the Party, lockouts beyond the control of the Party claiming force majeure, epidemics, riots, civil commotion etc. lying beyond the reasonable control of and not brought about at the instance of the Party claiming to be affected by such event and which has caused the non-performance or delay in performance; provided on the occurrence and cessation of any such event the Party affected has given a notice in writing to the other Party within one month of such occurrence or cessation. If the force majeure conditions continue beyond six months, the Parties shall jointly decide about the future course of action on the Project. The validity of the claim of force majeure shall be determined by the PAC after due enquiry and the decision of the PAC in this regard shall be final.

#### 9) Amendment to the Agreement

**ATTESTED**

Emp. No. 30. 11

No amendment or modification of this Agreement shall be valid unless the same is approved by the PAC and made in writing by both the Parties or their authorized representatives and specifically stating the same to be an amendment of this Agreement. The modifications / changes shall be effective from the date on which they are made / executed unless otherwise agreed to.

#### 10) Severability

In case any one or more of the provisions or parts of a provision contained in this Agreement shall, for any reason, be held to be invalid, illegal or unenforceable in any respect, such invalidity, illegality or unenforceability shall not affect any other provision or part of a provision of this Agreement; and this Agreement shall, to the fullest extent lawful, be reformed and construed as if such invalid or illegal or unenforceable provision, or part of a provision, had never been contained herein.

#### 11) Governing Law and Dispute Resolution

In the event of any dispute or difference among the Parties hereto upon or in relation to or in connection with this Agreement, such dispute or difference, shall be resolved amicably and in good faith by mutual consultation. The decision of PAC appointed by the MoE would be final and binding on all the parties.

If at the time of occurrence of the dispute, the PAC is not in existence or is not applicable to the dispute, the Parties shall opt for the arbitration in accordance with the provisions of the Arbitration and Conciliation Act, 1996 and Rules made there under, or any legislative amendment or modification made thereto.

In that case, the seat venue of the arbitration shall be Chennai. The award given by the arbitrator shall be final and binding on the Parties. The language of arbitration shall be English.

This Agreement shall be governed by and interpreted in accordance with the laws of India. The courts in Pune only shall have the exclusive jurisdiction to try, entertain and decide the matters which are not covered under the ambit of Arbitration or resolution by PAC.

#### 12) Notices and Jurisdiction

- i. All notices and other communications required to be served on the HEI including for violation of the terms of this Agreement shall be considered to be duly served if the same shall have been delivered by registered mail at its address as below.

<<Prof. Anurag Srivastava>>

<<Professor at Department of Engineering Science, ABV-IIITM Gwalior (M.P.)

And Dean Alumni and External Relations, ABV-IIITM Gwalior (M.P.) >>



Similarly, any notice to be given to Nodal Centre shall be considered as duly served if the same shall have been delivered by registered mail at its address in Chennai as below:

Program Director

Capacity Building Program on Design and Entrepreneurship

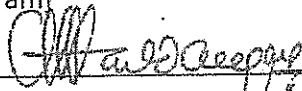
MMTTC, IIITDM Kancheepuram, Chennai Tamilnadu 600 127

Subject to the provisions of Clause 11 hereof, the Courts at Chennai shall have exclusive jurisdiction in all matters concerning this Agreement including any matter arising out of the arbitration proceedings or any award made therein.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the date first above written

[MMTTC, IIITDM Kancheepuram]

Authorized Signatory: \_\_\_\_\_



प्रो. मा. वें. कार्तिकेयन  
निदेशक

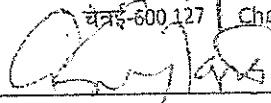
Prof. M V Kartikeyan  
Director

[ATAL BIHARI VAJPAYEE INDIAN  
MANAGEMENT, GWALIOR]

IIITDM Kancheepuram  
Melakkottaiyur,  
Chennai-600127

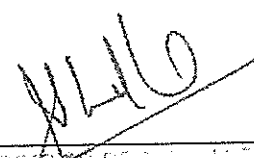
INSTITUTE OF INFORMATION TECHNOLOGY AND

Authorized Signatory: \_\_\_\_\_



[Dr. Sanjay Sharma]

Authorized Signatory: \_\_\_\_\_



DIRECTOR, INSTITUTE OF INFORMATION TECHNOLOGY AND  
MANAGEMENT, GWALIOR (Gwalior-500002)

[Mr. Avinash Mishra]

Authorized Signatory: \_\_\_\_\_



~~SEU~~ SAMEER SETH  
[Mr. Samir Seth]

Authorized Signatory: \_\_\_\_\_



(SAMEER SETH)

ATTESTED

Smt. Usha Shukla  
Advocate & Notary

## Annexure-A:

### CONCEPT NOTE ON CAPACITY BUILDING FOR DESIGN AND ENTREPRENEURSHIP

#### I Introduction:

National Education Policy 2020 aims at transforming the education system in the country. It also places a strong emphasis on fostering a culture of innovation; promote an entrepreneurial spirit and provide a conducive environment for students to develop innovative solutions to real-world problems within the education system.

Design thinking is a problem-solving approach that encourages creative and innovative solutions to complex challenges. It focuses on understanding the needs and perspectives of end-users and applying a user-centric, empathetic, and iterative approach to arrive at effective solutions. In the context of education, design thinking encourages educators to create learner-centered curricula, teaching methods, and assessments that cater to individual needs and foster critical thinking, problem-solving, and creativity.

Accordingly, a capacity building program for faculty and HEIs is being started on Design and Entrepreneurship under the aegis of Malaviya Mission Teacher Training Programme (MMTTP) to address the key elements of NEP with a specific focus on design and entrepreneurship development.

#### II Objective & Approach:

The objective of the Capacity Building for Design and Entrepreneurship program is to enhance the capacity of faculty and HEIs for creative transformation with a specific focus towards design and entrepreneurship development.

It will be achieved through 1-1 mentoring of faculty and promoting generative dialogue among faculty, student teams and HEI partners by a pool of expert mentors. Each participating HEI will be assigned a maximum of three mentors for a period of two years. Each mentor will devote about 40 person days to mentor 8-10 faculty members and an equivalent number of student teams from 3<sup>rd</sup> and 4<sup>th</sup> year UG, 2<sup>nd</sup> year PG and advanced years of PhD for one year. The nodal center for the program (Malaviya Mission Teacher Training Centre, IIITDM Kancheepuram) will manage the selection of HEIs and mentors, allocate mentors to HEIs, conduct curated webinars to share best practices and resource material, monitor progress, and disburse honorarium to the mentors. There will be no separate non-recurring or recurring grant given to the HEIs. The first phase of the program will target 50 promising HEIs for a period of two years (2024-26).

#### III Eligibility Criteria:

The eligibility criteria for Public funded HEIs to apply for this program are as follows:

- (1) The public funded HEI must be in the top 200 in the NIRF ranking 2022 & 2023 in any of the NIRF categories
- (2) The HEI must be enrolled in the National Innovation & Startup Policy and allocated funds to the tune of atleast 1% of their annual operating expenditure towards student innovation
- (3) The HEI must have atleast three academic departments offering UG, PG and PhD programs, with potential for developing a multidisciplinary foundation for UG programs

#### IV Scope of Work:

The participating HEIs are expected to leverage the program to intensify their design and entrepreneurship initiatives as enshrined in NEP, 2020 by making the following key interventions:

- (1) Create common slots in the curriculum and academic calendar for UG, PG and PhD programs in atleast three departments (3 hrs per week + 3 days per semester for a hackathon + 3 weeks in a year for field work) from the academic year 2024-25
- (2) The common slot of 3 hrs per week may be used to

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- a) Introduce a sequence of service learning or product design courses, one in each semester for the first and second year UG students, and 1<sup>st</sup> year PG and PhD students. The HEIs may redesign existing courses or create new ones. The courses must strictly follow the pedagogy of learning-by-doing (individual and group), continuous assessment of activities, and promote empathy and discovery of real-world problems
- b) Introduce open electives focused on specific domains to encourage promising teams of students in their 3<sup>rd</sup> and 4<sup>th</sup> year UG or 2<sup>nd</sup> year PG or advanced years in PhD to pursue detailed design, prototyping and entrepreneurial activities. Involving PG and PhD students in the initiative is intended to not only help sharpen research, but also encourage commercialisation and prepare the next generation of faculty

Identify and nominate 25-30 faculty members each year for the mentoring program. This cohort of faculty may be motivated and incentivised to

- a) Participate in 1-1 mentoring sessions and conversations with expert mentors to enhance capacity for creative transformation
  - b) Identify and co-mentor 15-20 promising student teams (average size 4) in the 3<sup>rd</sup>/4<sup>th</sup> year UG or 2<sup>nd</sup> year PG or advanced years of PhD (item 1.b). The teams may be encouraged to have a mix of students from different years and branches of study depending on the topic of interest
  - c) Handle courses in the common slot and facilitate learning-by-doing for approximately 1400 students from 1<sup>st</sup> and 2<sup>nd</sup> year UG, 1<sup>st</sup> year PG and PhD [ IV (2) (a) above]
- (4) Allocate appropriate amount of innovation fund to support the 18-20 promising student teams to pursue product design and entrepreneurship each year [IV (2) (b) above ], and create the infrastructure to support learning-by-doing [ IV (2) (a) above]
- (5) Identify local partners - industry, government organizations and NGOs - to mobilize additional resources and create learning opportunities for faculty and students [ IV (2) (a) & (b) above] Create a governance structure with adequate leadership oversight to fasttrack implementation of the program and monitor the progress

If done in the right spirit, the above interventions can improve learning outcomes for students, research outcomes for faculty, and realization of NEP vision in the HEI.

#### V. Submission Guidelines:

Interested HEIs may submit a clear and concise proposal addressing the objectives and scope of work outlined above. The proposals must clearly articulate:

- a) Why the HEI wants to participate in the program and how it fits with its NEP, 2020 implementation plans?
- b) What specific goals it intends to achieve over 3-5 years through this program?
- c) How it intends to integrate and institutionalize this program in its everyday routine?
- d) What is the level of readiness of the HEI to implement the key interventions of the program including approvals from governing bodies like senate or board and infra to support requirement in para IV (2) (a) above ?
- e) How much funds will be allocated by the HEI to support teams [ Para IV (2) (b)] and the sources of funding?
- f) Which local industry partners have committed to support this program & nature of support?
- g) Who will be coordinating the program in the HEI? {PI/Co-PI must preferably be in leadership positions and able to implement the desired institutional changes}
- h) Provide a list of five mentors from local industry partners, startup community or retired professionals from industry or senior faculty from other academic institutions. Their consent may be taken and their profiles and contact details may be attached. Mentors must have strong inter-disciplinary expertise,

experience in product development and entrepreneurial initiatives, listening skills, ability to mentor faculty and willing to commit 40 days per year (1 day per week during the semester).

#### VI Selection Criteria:

Proposals will be evaluated based on the vision, readiness, commitment and credentials of the HEIs and PIs/Co-PIs to leverage the program and deliver outcomes in terms of number of faculty mentored, entrepreneurial teams supported and pipeline of students nurtured. The selected institutions will need to sign a contract with the nodal centre to execute the program.

#### VII Deadlines:

- |                                 |   |
|---------------------------------|---|
| 1. Pre-registration by HEI      | : 10 Jan 2024   |
| Pre-registration form           | : <a href="https://forms.gle/BWWJVM5DXpxycue8">https://forms.gle/BWWJVM5DXpxycue8</a>     |
| 2. Proposal Submission          | : 31 Jan 2024   |
| Proposal to be uploaded in      | : <a href="https://forms.gle/FVjNBQnEoFngppk1HE">https://forms.gle/FVjNBQnEoFngppk1HE</a> |
| 3. Proposal Evaluation          | : 28 Feb 2024   |
| 4. Notification of Selected HEI | : 04 Mar 2024   |
| 5. Signing of MoU               | : 31 Mar 2024   |

A briefing session will be organized in mid-January for all HEIs that have pre-registered and expressed an interest to participate in the program.

#### VIII Programme Advisory Council

There shall be Program Advisory Council to guide the Nodal Center. The Programme Advisory Council will comprise of the following:

- Shri Manoj Kohli, Chairperson
- Prof. M V Karthikeyan, Director, IIITDM Kancheepuram (Host Institute), Member
- Prof. V Kamakoti, Director, IIT Madras or his nominee, Member
- Shri Gopal Srinivasan, CMD, TVS capital, Member
- Shri V Shankar, Founder of CAMS, Member
- Smt Debjani Ghosh, President, NASSCOM, Member
- Shri G Gurumoorthy, Director, ARM Embedded Systems, Member
- Dr M J Shankar Raman, CEO, IITM Pravartak, Member
- Dr Sudhir Varadarajan, Program Director, Convener

#### Contact Information:

For inquiries and clarifications, please email to: [mmttc-cbfi-info@iiitdm.ac.in](mailto:mmttc-cbfi-info@iiitdm.ac.in)

**ATTESTED**

Smt. Usha Shukla  
Advocate & Notary  
Gwalior Mob 9926724788

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Annexure-B:

HEI goals and budget committed for the capacity building program on design and entrepreneurship

	Institute Level Budget (Amount in Rs.)	Year-1	Year-2	Year-3	Year-4	Year-5
1	Total number of students (UG / PG / PhD)	1500	1550	1600	1650	1700
2	Total number of faculty in the HEI	58	65	70	75	80
3	Number of Departments participating in the program	5	5	5	5	5
4	Number of faculty coopted into mentoring per year (approx. 25-30 as per concept note) 15% of total	10	11			
	Number of mentors required	3	3			
6	Total number of mentor days plan	120	120			
7	Total number of students to be engaged in design & innovation activities by faculty per year per institute (UG-1&2 / PG-1&2 / PhD-first 2 yrs)	750	775	800	825	850
8	Estimated number of student teams in advanced years with entrepreneurial potential to be mentored per year (avg team size of 4)	15	18	20	22	25
9	Honorarium for Mentors @18000 per mentor per day to be borne by MoE and disbursed by Nodal Centre (Rs. In lakh)	21.84	21.84			
10	Total mentor travel and accommodation cost per year to be borne by HEI (Rs. In lakh)	2.0	2.0			
11	Total financial support for targeted student team per year by HEI	4.0	4.0	4.0	4.0	4.0
12	Event and partnership management cost per year (liaising with Industry and NGO etc by HEI) (Rs in Lakhs)	4.5	5.0	5.5	6.0	6.5
13	Contingency Grant (5% of items 10-12) per year by HEI	0.525	0.55	0.575	0.5	0.525
14	Total funding by HEI per year excluding mentor honorarium (item 10-13) (Rs in Lakhs)	11.025	11.55	10.075	10.5	11.025

ATTESTED

Smt. Usha Shukla  
Advocate & Notary  
Walior Mob 9926224788

12 APR 2024

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*[Handwritten signature]*



कुलसचिव

कार्यालय कुलसचिव,  
राजमाता विजयाराजे सिंधिया कृषि विश्वविद्यालय,  
ग्वालियर (म.प्र.)

Ph- : 0751-2970519 (O) 0751-2970522 (Fax) r  
E-mail- registrar@rvskvv.net

क्र. / कु.स. / स्था-एक / 2023 / 2667

दिनांक: 08/08/2023

// अधिसूचना //

विश्वविद्यालय प्रमंडल की 48वीं बैठक दिनांक 02.07.2023 के पद क्रमांक 10 में लिए गये निर्णयानुसार विश्वविद्यालय में शैक्षणिक/गैर-शैक्षणिक के विभिन्न पदों पर सीधी भर्ती प्रक्रिया में गतिशीलता एवं पारदर्शिता बनाये रखने के लिए ऑनलाईन आवेदन एवं स्कोर कार्ड प्रणाली, आई.सी.ए.आर.-आई.ए.एस.आर.आई. नई दिल्ली के माध्यम से विकसित किये जाने का प्रमंडल द्वारा अनुमोदन किया गया है।

माननीय कुलपतिजी के आदेशानुसार

कुलसचिव

दिनांक: 08/08/2023

पृष्ठा.क्र. क्र. / कु.स. / स्था-एक / 2023 / 2668

प्रतिलिपि:- सूचनार्थ एवं आवश्यक कार्यवाही हेतु-

1. अधिष्ठाता कृषि संकाय, रा.वि.सिं.कृ.वि.वि., ग्वालियर ।
2. निदेशक, शिक्षण/अनुसंधान/विस्तार सेवाये रा.वि.सिं.कृ.वि.वि., ग्वालियर।
3. अधिष्ठाता, कृषि/उद्यानिकी महाविद्यालय, ग्वालियर/इंदौर/खंडवा/सीहोर/मंदसौर
4. लेखानियंत्रक, रा.वि.सिं.कृ.वि.वि., ग्वालियर ।
5. सह संचालक अनुसंधान, आंचलिक अनुसंधान केन्द्र .....
6. उप कुलसचिव (स्था.), रा.वि.सिं.कृ.वि.वि., ग्वालियर।
7. रामस्त वरिष्ठ वैज्ञानिक एवं प्रमुख, कृषि विज्ञान केन्द्र.....
8. पोर्टल प्रभारी, रा.वि.सिं.कृ.वि.वि., ग्वालियर की ओर विश्वविद्यालय बेवसाइट पर अपलोड कराने बावत।
9. निज सचिव, माननीय कुलपतिजी, रा.वि.सिं.कृ.वि.वि., ग्वालियर ।
10. सुरक्षा नरती।

कुलसचिव



OFFICE OF THE REGISTRAR  
RAJMATA VIJAYARAJE SCINDIA KRISHI VISHWAVIDYALAYA  
GWALIOR (M.P.)

Ph- : 0751-2970519  
E-mail- [registrar@rvskvv.net](mailto:registrar@rvskvv.net)

No.: Reg./P.S./2023/ 3357

Date: 05/10/2023

To,

Dr. Rajender Parsad,  
Director, ICAR-IASRI,  
Pusa, New Delhi, India-110012.  
Email: [director.iasri@icar.gov.in](mailto:director.iasri@icar.gov.in), [rajender.parsad@icar.gov.in](mailto:rajender.parsad@icar.gov.in)

**Subject:** Regarding development of Recruitment Management System (RMS) for RVSKVV Gwalior.

**Reference:** Your letter no. F.No. ICAR-IARI/CA/2023092201 and proposal dated 22/09/2023.

This is with reference to your proposal for development of Recruitment Management System for RVSKVV, we are happy to accept your proposal (costing Rs.13,84,123/- including GST) regarding RVSKVV Recruitment Management System (RMS) for various academic/non-academic/technical posts to be filled by direct recruitment under RVSKVV Gwalior.

You are requested to proceed further regarding implementation of the above referenced proposal by incorporating all the rules & regulations of RVSKVV Gwalior related to recruitment. Further, a Memorandum of Understanding needs to be signed regarding same between the RVSKVV Gwalior and ICAR-IASRI New Delhi. For any clarification/query, you may contact undersigned or Ms. Archana Bhardwaj, Computer Programmer, RVSKVV, mobile No. 9993932401, email: [archana.bhardwaj@rvskvv.net](mailto:archana.bhardwaj@rvskvv.net).

(Anil Saxena)  
Registrar

Endt. No.: Reg./P.S./2023/ 3358

Gwalior, Date: 05/10/2023

Copy for information and necessary action to:

1. Dr. Sudeep Marwaha, Head, Division of Computer Applications, ICAR-IASRI, New Delhi-110012. Email: [sudeep@icar.gov.in](mailto:sudeep@icar.gov.in), [sudeep.marwaha@icar.gov.in](mailto:sudeep.marwaha@icar.gov.in)
2. Ms. Archana Bhardwaj, Computer Programmer, RVSKVV, Gwalior regarding further process of RVSKVV-RMS.
3. The P.S. to Hon'ble Vice Chancellor, RVSKVV, Gwalior.

(Anil Saxena)  
Registrar

**Proforma for Submitting Externally Funded  
Contract Research Proposals**

- 1. Name of the Institute:** ICAR-IASRI, New Delhi
- 2. Title of the proposed Project (including brief of the project):** Recruitment Management System for RVSKVV

RVSKVV has desired to develop and implement an online system for application filling and automating various internal process of the Recruitment w.r.to the recruitment of various positions. RVSKVV has approached ICAR-IASRI for the development of the system in May, 2023. ICAR-IASRI is willing to design, develop, implement and maintain this system along with RVSKVV. ICAR-IASRI will design and develop an online system with the name "Recruitment Management System (RMS-RVSKVV) RVSKVV-referred as RVSKVV-RMS here after. This is a web enabled system for filling and evaluating the score card for various positions (Subject Matter Specialist in Kvk's, Dean/Director, Associate Professor/Senior Scientist, Assistant Professor/ Scientist/ Assistant Librarian, Senior Scientist & Head, Professor/Principal Scientist etc.). The system will cater to the requirements of different user roles: Applicant, Admin, Assistant, Section Officer, Dean/Director, Vice- Chancellor, and Technical Committee for performing their assigned tasks.

**3. Specify the nature of the proposal:**

- |                            |     |
|----------------------------|-----|
| i. Sponsored Project:      | Yes |
| ii. Collaborative Project: | No  |
| iii. Grant-in-aid Project: | No  |

**4. State whether the subject falls within the mandate of the Institute, may also explain:**

Yes, the project falls under the mandate of the institute. The project is to design and developed an online system with the name RMS-RVSKVV for recruitment of various positions in university by ICAR-IASRI. This will enable us to build the capacity for automating the recruitment process of any agriculture university.

**5. Objectives of the Project:**

- i. To perform the requirement analysis for RVSKVV-Recruitment Management System
- ii. To design, develop and implement the online application management system for the recruitment of faculty and non-faculty positions of RVSKVV.
- iii. To provide training to RVSKVV officials to operate the recruitment through proposed RVSKVV-RMS

**Duration of the project (give specific dates and period):** 25-09-2023 to 24-08-2024 (One year)



Detailed programme of work is as given below:

**Programme of work and phasing of milestones:**

The requirement modules for RVSKVV-RMS will be identified by conducting meetings with the RVSKVV officials.

- Three tier web architecture will be followed.

1. User Interface: User Interface will be implemented in HTML (Hypertext Markup Language), JavaScript and CSS (Cascaded Style Sheets). It will contain forms interacting with the user and reports for retrieving information. The interface will allow user friendly navigation.

2. Application Logic Layer: In practice, the complicated part of creating a web based system is getting the information into the database. Once the information has been stored, it is relatively straightforward to search and manipulate using standard data techniques.

In the present study Application Logic Layer will be implemented in ASP or ASP.NET. Its purpose will be to provide linkage and data transfer to and from the User Interface and to hide all the complex application logic and between the user interface and database. It also performs all the required transformation.

3. Database Layer: The database will be stored in form of a relational database. The database layer provides the necessary tables for storing the data along with the relationship between them. MS SQL server 2008 or higher will be used for implementing this layer.

- The necessary logic for each functionality (forms and reports) will be developed.
- The master information will be collected and fed into the database.
- The modules so developed will be integrated with the system.
- The system will first be tested at IASRI server.
- The feedback during different stages of the development of software will be taken and incorporated.
- The system will be implemented jointly by the IASRI team and RVSKVV Nodal Office.

**6. Brief description of the benefits to be accrued from the project, both in terms of productivity and scientific knowledge:**

It will help the RVSKVV to automate the process of recruitment thereby bringing efficiency and transparency in the overall process of recruitment. IASRI will develop capabilities to automate the recruitment process of any university and for itself as well.

**7. Sponsoring agency:**

a. Name and address: Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya (RVSKVV), Race Course Road, near Mela Grounds, Gwalior, Madhya Pradesh 474002

b. Status: State Agriculture University

**8. Activities of sponsor in brief:**

RVSKVV is a state agriculture university in the state of Madhya Pradesh involved in teaching, training, extension and research. The university will provide the funds required for overall execution of the project along TA/DA if travel to the university is involved. RVSKVV will also be responsible for providing all the forms that are required to be automated. RVSKVV will also do the User Acceptance Testing (UAT) of the Recruitment Management System. RVSKVV will also handle the first level support for the users.

**8(1) Additional information in case of foreign sponsoring/collaborating agency: Not Applicable**

a. Details of past collaborations, if any, by the collaborator/sponsor with the applicant Institute/other ICAR institutes/other Indian institution(s), whatever is known

b. Details, if any, available on R&D projects of sensitive nature and concerned with national security, taken up and/or funded by the sponsor/collaborator in the past in its own country or any other country, whatever is known

c. Genesis of the project

d. Foreign support/collaboration (details):

i. Financial support (Rs. & Foreign Exchange)

ii. Equipment support

iii. Technical support

iv. Manpower training/exchange (Indian/foreign)

v. Data/Information support

vi. Does the project require visits, if any, by the personnel of foreign collaborator/sponsor to India; if so, the places/institutions to be visited and likely duration

vii. Miscellaneous/others

vii. Justification/need for foreign sponsorship/collaboration and likely benefits (scientific, economic, societal, strategic etc.) for the Institute/ICAR/India

**9. Name and address of the Principal Investigator (s) undertaking the project:**

I. Principal Investigator Name: Dr. Sudeep Marwaha

Postal address: Division of Computer Applications, ICAR-IASRI, Library Avenue, Pusa, New Delhi-110012

Phone: 9711707437, 25847121, Ext. 4309 Email: sudeep@icar.gov.in

**10. Institute's manpower committed to the project (names and work allotted in man-months):**

Scientific: Dr. Sudcep Marwaha (15 Man days) & Dr. Chandan Kumar Deb (15 Man days)

**11. Total outlay of the project: ₹ 13,84,123 (Thirteen lakh Eighty Four thousand One hundred and twenty three rupees only)**

(Provide break-up for different Operational Heads as per details given below)

**I. Direct Expenses:**

**a) Mandays Cost:**

Name	Gross Pay	Mandays	Mandays Cost
Dr. Sudeep Marwaha	₹ 3,28,282	15	₹ 1,64,141
Dr. Chandan Kumar Deb	₹ 1,16,694	15	₹ 58,347
<b>Total:</b>			₹ 2,22,488

b) TA/DA cost: As per actual to be born and paid by sponsoring agency

c) Consumables/computer stationary/mobile/data card charges/AMC of equipment/  
Stationery/Printing of Brochures/Advertisements: ₹ 25,000

d) Equipment usage costs

Existing equipment (Web Hosting Charges for ICAR-DC): ₹ 75,000

New equipment: Nil

e) Institutional charges: ₹ 1,95,498 (20% of ₹ 9,77,488)

f) External payment envisaged:

One Programmer (as per norms of IT professional -I) * @ ₹ 25,000/-	₹ 25,000	7 Months	₹ 1,75,000
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g) Insurance cost: Nil

h) Contingencies [minimum 5% of the cost of the project]: ₹ 30,000

**II. Intellectual Fee:**

Names	Rate	Duration	Calendar Year	Total Amount
Dr. Sudeep Marwaha, Pr. Scientist & PI	₹ 20000	15 days	2023	₹ 300000
Dr. Chandan Kumar Deb, Scientist & Co-PI	₹ 10000	15 days	2023	₹ 150000

III. Any other cost specific to the project: Nil

IV. Service tax/GST: 18%

12. Schedule of payment of fees (indicate amount of each installment, due date of payment and bank guarantees): 100% in advance in favor of Director, ICAR-IASRI, New Delhi

13. Total budgetary contribution committed by the Institute: Nil (The availability of com and Server as per existing infrastructure developed under NAHEP for hosting unive applications. Server space will be periodically cleared by giving the archived data to university).

14. Whether the physical or other infrastructural facilities required for carrying out project are available at the Institute? If not, could it be procured easily and cost is account for. Yes, all infrastructure facilities are available.

15. Does the project involve?

- |  |    |
|--|----|
| a) Referring to or sourcing of strategic/sensitive material/information. | No |
| b) Transfer of biological material(s) to the collaborator/sponsor.       | No |
| c) Use of genetically modified organisms.                                | No |
| d) Use of environmentally or otherwise hazardous material(s).            | No |
| e) Use of radioactivity materials.                                       | No |
| f) Field surveys/trails/proving/collection/testing (give location).      | No |
| g) Ethical issues in conduct of the project.                             | No |

If answer to any of the points from (a) to (g) is 'yes', the Principal Investigator to give undertaking to abide by relevant and extant ICAR/national regulations and guidelines of the subject. Not Applicable

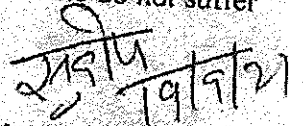
16. Intellectual fees charged in the project: ₹ 4,50,000 (Four lakh Fifty Thousand Rupees Only)

17. Whether Intellectual Property Rights issues are involved in the contract research project. If yes, are they in conformity with ICAR's IPMTT/C Guidelines; if not, the variation be indicated and explained with justification for approval of the competent authority. Yes, the IPR rights will be with ICAR-IASRI, New Delhi

18. Whether a written Agreement has been entered into with the sponsoring agency incorporating the essential elements as indicated in the policy framework of the ICAR's rules and guidelines. If yes, enclose a copy of the Agreement; if no, provide justification. MOU will be signed after the approval at the time of award of contract.

Certified that the overall institutional/organizational or national interests do not suffer in any way with the acceptance or the contract research project.

We hereby certify that the overall institutional/organizational or national interests do not suffer in any way with the acceptance of the consultancy project.

  
19/9/21

(Sudeep Marwaha)  
Principal Investigator (PI)

(To be forwarded by Head of Division, in institutes where applicable)  
Recommendation of PME cell:

1. Certified that the proposal has been considered as per procedure and is found to be in conformity with the ICAR rules and guidelines.


2. It has been examined and ensured that:

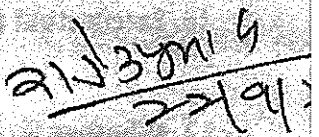
- i. the acceptance of the project is befitting the academic status of the Institute. Yes/No.  No
- ii. the amount of all charges and intellectual fee offered is commensurate with fees chargeable as per costing guidelines. Yes/No.  No
- iii. the return to the Council/Institute is commensurate with the potential and likely gains to the client as a result of transfer of in-house knowledge, skill or technology. Yes/No.  No
- iv. the project would contribute to the knowledge and professional competence in the Institute. Yes/No.  No
- v. In case(s) the answer to any of the questions from i to iv is 'no', please provide justification.

1. Any other comment:

The proposal has been thoroughly discussed in CPC (Consultancy Processing Cell) of the Institute and recommended by CPC in its proceedings.

In cases where Director is the competent Authority for Approval Approval of the Director of Institute:

  
(Signature)  
PME cell I/c

  
(Signature)  
Director, ICAR-IASRI

### Budget Table

Sl. No.	Head	Amount
	<b>(I) Direct Expenses:</b>	
1.	Man days Cost	₹ 2,22,488
2.	External Cost (For Salary of IT Professional -I)	₹ 1,75,000
3.	Existing Equipment Cost (Web Hosting Charges for ICAR-DC)	₹ 75,000
4.	Consumables/ AMC of equipment/ Printing of Brochures/Advertisements	₹ 25,000
5.	Contingencies (computer Stationery /stationary/mobile/data card charges)	₹ 30,000
6.	<b>(II) Intellectual Fee:</b>	
	Dr. Sudeep, Pr. Scientist & PI	₹ 3,00,000
	Dr. Chandan Kumar Deb	₹ 1,50,000
	<b>Total (1-6):</b>	<b>₹ 9,77,488</b>
7.	Institutional Charges (20% of Rs.977488)	₹ 1,95,498
	<b>Total Cost of the Project:</b>	<b>₹ 11,72,986</b>
	<b>18% GST</b>	<b>₹ 2,11,137</b>
	<b>Grand Total of the Project</b>	<b>₹ 13,84,123</b>



भा.कृ.अनु.प. - भारतीय कृषि सांख्यिकी अनुसंधान संस्थान  
लाइब्रेरी ऐवन्यू, पुडा, नई दिल्ली 110012  
ICAR - Indian Agricultural Statistics Research Institute  
Library Avenue, Pusa, New Delhi 110012



डॉ. सुदीप मरवाहा  
Dr. Sudeep Marwaha  
प्रभागाध्यक्ष, संगणक अनुप्रयोग  
Head, Computer Applications

F.No. ICAR-IASRI/CA/2023092202  
Sir,

Dated 08 January, 2024

This is with reference to your Letter No. Reg./Acad./2023-23/2882 dated 28.08.2023, I am happy to convey that ICAR-IASRI has agreed to develop Recruitment Management System RMS-RVSKVV.

The total charges for this project is Rs. 13,84,123/- (Rupees thirteen lakhs eighty-four thousand one hundred and twenty-three only) including 18% GST which is to be submitted to ICAR-IASRI in advance.

Here is the Bank details:

A/c Holder Name: Indian Agricultural Statistics Research Institute  
A/c Number: 91421010000017  
IFSC Code: CNRB0019142  
A/c Type: Current Account  
Bank Name: CANARA BANK  
Branch Location: IASRI, Pusa Campus, New Delhi 110012

Regards,

(Sudeep Marwaha)

Verified and entered in register  
Page No. 71 Date 21/03/24  
Amount 692062 = ₹

VERIFIED

Dr. Anil Kumar Saxena  
Registrar  
RVSKVV,  
Gwallor

Verified  
सहायक कुल सचिव  
रा.वि.सि.कृ.वि.वि. ग्वालियर (स.प्र.)

कुलसचिव कार्यालय  
रा.वि.सि.कृ.वि.वि. ग्वालियर  
आवक क्रमांक 6550  
दिनांक 21/03/2024

21-3-24  
Etd-1

CO Bank

MORARJ BRANCH GWALIOR  
RVSKV COLLEGE OF AGR  
MELA ROAD, GWALIOR - 747002  
RTGS/NEFT IFS CODE : UCBA0002116

Valid for three months only from the date of instrument

3 0 0 3 2 0 2 4  
D D M Y Y Y Y

XWMU0U

या धारक को or Beare

Yourself

रुपये Six Lakh Ninety Two Thousand Sixty Two only/-

अदा करें ₹ 692062=00

A/c No. 21160200000003

क्रम सं. 000066008193  
Seqn. No.

For R.V.S.K.V.V.H.Q. Gwalior

CA A/c

DRAWING AND DISBURSEMENT OFFICER  
FOR RVSKV/VH QD DDC GWALIOR

Payable at par at all UCO CBS branches

Please sign above

0008193 474028040: 000066 29

NEFT/RTGS FUNDS REMITTANCE

Date 30/3/24

(For RTGS - Amount must be for ₹ 2 lakhs or more)

Branch MORARJ

NEFT  RTGS

REMIT FUNDS THROUGH: INDIAN AGRICULTURAL STATISTICS RESEARCH INSTITUTE

Beneficiary Details

Name:	I	C	A	R															
Account Number:	9	1	4	2	1	0	1	0	0	0	0	1	7						
Account Number:	9	1	4	2	1	0	1	0	0	0	0	1	7						

Address: TARSBI PUSA CAMPUS NEW DELHI

Bank Name & Branch: CANARA BANK TARSBI PUSA CAMPUS New Delhi

IFSC Code: CNRB0019142

Amount (to be remitted) ₹: 692062=00

NEFT/RTGS Charges ₹: -

Total Amount ₹: 692062=00

Total Amount in Words: Six Lakh Ninety Two Thousand Sixty Two only/-

Name: DD 0 H 0 R V S K V Y PAN: 67WA LI 0 R

Account Number: 21160200000003

Address: UCO Bank MORARJ Gwalior

Mobile/Landline No.: 9691839339

Email Id: -

Purpose of Remittance

Please remit the amount as per above details by debiting cash or my/our

SB/CA/CC/OTHERS Account No. \_\_\_\_\_ branch. I/We agree to the terms and

conditions printed on the reverse here of. Enclosed Cheque No. 008193 /Debit Authority Dated 30/3/24

₹ 692062=00 enclosed

Details of Cash Remitted		₹	P.
₹	Pcs.	₹	P.
2000 x			
500 x			
200 x			
100 x			
50 x			
20 x			
10 x			
Total			

Reference No.: UTE/NEFT Ref No.:  
Transaction Id: DRAWING AND DISBURSEMENT OFFICER  
R.V.S.K.V.V. HEAD QUARTER GWALIOR

Seal/Signature of Customer/Remitter Sign. of Official (Verifying Doc.)

Sign of Official (Maker) Sign of Official (Checker)





## MEMORANDUM OF UNDERSTANDING

***RAJMATA VIJAYARAJE SCINDIA KRISHI VISHWAVIDYALAYA, GWALIOR (M.P.)***

**Between**

***VINDHYANCHAL FARMER PRODUCER COMPANY LIMITED GWALIOR (M.P.)***

*For facilitating  
Training Program/Organic farming, natural farming and Research*

This Memorandum of Understanding (after here in referred to as MoU) is made on this Friday day of the month of 7<sup>th</sup> June, 2024 in the year 2024 by and between the *RAJMATA VIJAYARAJE SCINDIA KRISHI VISHWAVIDYALAYA, GWALIOR (MADHYA PRADESH)*, on the ONE PART and the *VINDHYANCHAL FARMER PRODUCER COMPANY LIMITED, GWALIOR (MADHYA PRADESH)* having its headquarters at *Gwalior (Gram, Udaipur Morar, Gwalior-Madhya Pradesh State)* [Hereinafter called Second party] on the OTHER PART (who for the purpose of this MOU are hereinafter collectively referred to as the parties) shall be involved in Training Program/ Organic farming, natural farming and Research and development of self-sustainable villages and outreach programmes related to agriculture and allied sectors.

The parties, have discussed fields of common research interests and allied activities between the two institutions, have decided to enter into collaboration for promotion of training program of farmers and quality research in agriculture area

WHEREAS the "First Party", The "Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya (RVSKVV), Gwalior has been established by Govt. of Madhya Pradesh vide ordinance No. 4 of 2008 notified in the Extraordinary Gazette No. 507 dated 19<sup>th</sup> August, 2008. As per RVSKVV act (No.4, Year 2009), the state Agricultural University (SAU) is Located in the city of Gwalior, Madhya Pradesh and the territorial jurisdiction of the Vishwa Vidyalaya is spread over 26 districts of Madhya Pradesh AND

WHEREAS the "Second Party", The Vindhyanchal Farmer Producer Company Limited is an unlisted private company in corporate on 28 January, 2021. It is classified as a FPO and is located in Gwalior, Madhya Pradesh.

The Corporate Identification Number (CIN) of Vindhyanchal Farmer Producer Company Limited is U01100MP2021PTC054677. The registered office of Vindhyanchal Farmer Producer Company Limited is at GRAM- UDAIPUR, MORAR, GWALIOR, Madhya Pradesh.

Vindhyanchal Farmer Producer Organization (FPO) is a type of Producer Organization (PO) where farmers are its members. vindhyanchal Farmer Producer Company registered under section 465(1) of Companies Act, 2013 (18 of 2013). The FPO is an organisation of any produce, such as non-farm products, agricultural, artisan products, etc., by producers. The Small Farmers' Agribusiness Consortium (SFAC) and NABARD provide support for FPOs promotion. The basic aim of our FPO is to develop self-sustainable villages through Organic farming, natural farming and continue training program of farmers in above areas.

The aggregation of marginal, small and landless farmers as members of our FPO has helped in increasing market linkages to improve farmers' income and their economic strength. It provides end-to-end services and support to the small farmers and covers marketing, technical services, processing and other aspects of cultivation inputs.

It provide following relevant services and activities for their development which would cater to increase farmers income:-

- (i) Supply of quality production inputs like seed, fertilizer, pesticides and such other inputs at reasonably lower wholesale rates.
- (ii) Make available need based production and post-production machinery and equipments like cultivator, tiller, sprinkler set, combine harvester and such other machinery and equipment on custom hiring basis for members to reduce the per unit production cost.
- (iii) Maintain soil health by reducing the synthetic & chemical fertilizer
- (iv) Reduce the cost of cultivation by using vermicompost, green manure etc.
- (v) Value addition like cleaning, assaying, sorting, grading, packing and also farm level processing facilities at user charge basis on reasonably cheaper rate. Storage and transportation facilities may also be made available.
- (vi) Undertake higher income generating activities like seed production, vermin compost, bee keeping, mushroom cultivation etc.
- (vii) Undertake aggregation of smaller lots of farmer-members' produce; add value to make them more marketable.
- (viii) Facilitate market information about the produce for production and marketing.
- (ix) Facilitate logistics services such as storage, transportation, loading/unloading etc. on shared cost basis.
- (x) Market the aggregated produce with better negotiation strength to the buyers and in the marketing channels offering better and remunerative prices.

Understanding the scope of participation in this program, the Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya (RVSKVV), Gwalior and the *VINDHYANCHAL FARMER PRODUCER COMPANY LIMITED, GWALIOR (MADHYA PRADESH)* having its headquarters at *Gwalior Gram, Udaipur Morar Gwalior-Madhya Pradesh State* sign the Memorandum of Understanding (MOU) for jointly undertaking the development of low cost farming/agriculture based technologies for farmers in the field of millets (Shree Anna) and organic and natural farming production with the following terms and conditions and agree to carry out that respective responsibilities as detailed in the MOU.

## **1. Scope**

Both the institutes are agreed upon to work together in the area of agricultural-research and technological backstopping to the practicing member farmers.

- Create awareness among farmers about benefits of organic farming.
- Development of vermi-compost pit in farmer land/ house under the technical support of RVSKVV, Gwalior. Relevant budget provisions will be the sole responsibility of second party (FPO).
- To established a Quality Control Laboratory for green certification.
- Save soil by using organic fertilizers, adopting natural farming /vermi-compost/green manure.
- Encourage farmers to utilize organic fertilizers instead of chemical fertilizers.
- Both the institutions in collaboration will submit various projects to state, central Government departments and other funding agencies for the development of agro ecosystem in the region.
- Both the institute will collaborate for seed production and marketing in participatory mode for the welfare of farmers.
- Both the parties' will work for the establishment of quality control laboratory and development of pack house facility in various sectors at RVSKVV, Gwalior.

## **2. Terms and conditions:**

The following terms and conditions will be applicable to both the parties i.e. the RVSKVV and *VINDHYANCHAL FARMER PRODUCER COMPANY LIMITED (PFO)*, as specified in the sub clauses below:-

1.1 Both the parties will work jointly as per rules and regulations of their statutes.


1.2 All questions issues related to this MoU shall be settled amicably by both parties and disagreement if any shall be forwarded for settlement by arbitrator of mutual acceptance.

- 1.3 This MoU shall become effective on the date it is signed by the parties and shall be valid till both the parties agreed. Both parties shall review the status of the MoU if required to determine any modification, whenever necessary.
- 1.4 The profit sharing will be done between FPO and University in the ratio of 20:80 .
- 1.5 All disputes, differences, claims and questions between the Parties hereto arising out of this MoU or in any way relating hereto or any term, condition or provision herein mentioned or the construction or interpretation thereof or otherwise in relation hereto, whether during its currency or after its expiry/termination, shall be resolved amicably. In case any dispute remains unresolved for a period of 30 days same shall be referred to sole Arbitrator to be appointed in accordance to Arbitration and Conciliation Act, 1996 and any amendment, rules thereto. The venue of Arbitration shall be Gwalior and language shall be English only. The decision/award passed by the sole Arbitrator shall be final and binding on the Parties.
- 1.6 The RVSKVV, Gwalior Reserves all the rights to cancel the MoU at any time without assigning any reason and justification to Vindhyanchal Farmer Producer Company Limited, Gwalior.

Executed this 7<sup>th</sup> day of June, 2024 for a period of Five years, and further extendable with the consent of both the parties.

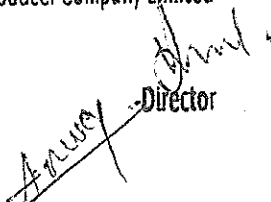
In Witness Whereof, the authorized representatives of both parties have hereunto affix their signature below:

For the  
Rajmata Vijayaraje Scindia  
Krishi Vishwa Vidyalaya,  
Gwalior

  
Vice Chancellor / DRS


For the   
VINDHYANCHAL FARMER  
PRODUCER COMPANY LIMITED  
(FPO Director)

Vindhyanchal Farmer Producer Company Limited

  
Coordinator  
VINDHYANCHAL FARMER  
PRODUCER COMPANY  
LIMITED (FPO)

Signed in the presence of

Director Extension Services  
RVSKVV, Gwalior

  
Director Instruction  
RVSKVV, Gwalior

Dy Director Research Services  
RVSKVV, Gwalior



**DIRECTORATE OF RESEARCH SERVICES**  
**Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya,**  
2<sup>nd</sup> Floor, Administrative Block, Raja Pancham Singh Marg, Gwalior 474 002 M.P.  
(An ISO 9001:2008 Certified Organization No. 67934/A/0001/UK/En)

Dr. S.K. Sharma  
Director Research Services

Ph. No. 0751-2970509 (Tele-Fax)  
Email: drs@rvskvv.net

No./DRS/TO/2022/2085

Date: 02-09-2022

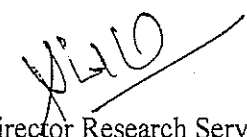
To,

Ms. Priya Pagnis,  
Solidaridad Regional Expertise Centre,  
Shreenath Kripa Apartment (Ground Floor)  
D-26 , B.D.A.colony, Koh-E-Fiza , Bhopal – 462001  
Email - [priya@solidaridadnetwork.org](mailto:priya@solidaridadnetwork.org); [info@solidaridad.in](mailto:info@solidaridad.in)

Sub.: Consultancy Agreement with R.V.S.K.V.V., Gwalior.  
Ref.: Your letter no. nil dated 29.08.2022.

With reference to the subject cited above, please find herewith one set of duly signed Agreement.

Encl.:- As above.

  
Director Research Services

## CONSULTANCY AGREEMENT

THIS CONSULTANCY AGREEMENT is made

BETWEEN

(1) **Solidaridad Regional Expertise Centre** having its registered office is at 1<sup>st</sup> Floor, A-5, Shankar Garden, Main Najafgarh Road, Vikaspuri, New Delhi – 110 018 herein after referred as **"the Trust"** (which expression shall, unless repugnant to the context and meaning thereof, include the legal representatives, their executors and administrators of the FIRST PART) legally represented in this matter by **Ms. Monika Khanna, Country Manager - India**

AND

(2) **Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya** having its registered office at Gwalior, Madhya Pradesh, India herein after referred as **"The Consultant"** legally represented in the matter by **Dr. Sanjay Kumar Sharma, Director Research Services**

The expression "the TRUST" and "the Consultant" shall hereinafter be individually referred to as "Party" and collectively as "Parties".

**WHEREAS** "The Consultant" intends to provide below mentioned services to the Trust as per the proposal and costing submitted.

### Description and Objectives:

Solidaridad to be **"Sustainability Partner"** for the occasion of 11th National Seed Congress on **'Recent Advances in research on Quality seeds for self-sufficiency on oilseeds and pulses'** to be organized in the University Campus at Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior during August 21<sup>st</sup> to 23<sup>rd</sup> 2022. In This up-coming event, the Solidaridad shall be contributing amount for organising this event and reach their farmers.

### Activities

- Name & Logo appearance on Backdrop, Banners, publication and branding as **"Sustainability Partner"** for 11th Seed Conferencess
- Lead paper presentation
- One stall of Solidaridad
- 4 complimentary Delegates Registration
- Publication in Souvenir in one page
- Invite GM Solidaridad on stage during inaugural session

The Agreement is recorded under SREC Consultancy Agreement Number **SREC/2022/002065/1010**.

**THEREFORE, this agreement is made for:**

1. **Period of the contract:** Duration of the contract will be 3 days starting from 21<sup>st</sup> August

21<sup>st</sup> August 2022  
SREC

2022 to 23<sup>rd</sup> August 2022.

## 2. Fee

2.1 The consultant will be paid **INR 2,36,000- (Rupees Two Lakhs Thirty-Six Thousand Only) inclusive of GST**. However, SREC will pay the GST charges on submission of invoice.

The total budget has been mutually agreed with following breakup:

- a) Trust shall deduct tax at source (i.e. TDS) from the fees in accordance with the applicable provisions of Income Tax Act, 1961 (as amended from time to time)
- b) The services rendered under the agreement is subject to the provisions of The Goods and Service Tax Act, 2017. The levy of a GST, if any, needs to be reflected in the invoice issued by the consultant. The Invoice should be issued as per the provision of GST Act. The First Invoice shall also be accompanied by a photocopy of the consultants Goods & Service Tax Registration Certificate/ Declaration under the provisions of the GST Act, if exemption is being claimed by The Consultant.
- c) The Consultant will be solely responsible for the payment of GST to the exchequer. Any penalties/ interest subsequently levied by any Government department for non-payment of such taxes will be borne by the consultant. The Trust is not liable to pay such penalties/ interest and will not reimburse the same.
- d) You will not be entitled to any payments/ reimbursements other than what is documented herein.

2.2 The amount will be made available to the **Consultant** as per the below schedule. Each instalment shall become due and payable only subject to all the deliverables are submitted and approved. Trust will pay to "**the Consultant**" in his bank account through cheque/ e transfer within 10 days from the end of the day in which the required documents is submitted to the program manager.

### Payment Terms:

S. No	Deliverables Name	Fees
1.	Upon Signing of the Contract by both parties	2,00,000
2.	GST will be paid on submission of Proforma Invoice	36,000
<b>Grand Total</b>		<b>2,36,000</b>

2.3 Payment of the fees will be made on satisfactory completion of the Services as outlined in the key responsibilities. Payment will be withheld if the Services are not satisfactory to Trust in accordance with the Key Responsibilities. All the payments will be subject to the approval of **Management** and availability of fund with the **Trust**.

2.4 The funds will be transferred to a bank account of which the bank details will be provided by the Consultant in a duly filled Payment Request form for which a template is provided in **Annexure A** along with the tax invoice

3. **Reporting:** End report including comments there upon to be sent to Solidaridad, attn. **Dr. Suresh Motwani, General Manager – Soy and Palm Oil** under project number **SREC/2022/002065/1010**.

# Solidaridad

4. **The Consultant** shall ensure it has adequate and, in any event, general liability insurance and professional liability insurance and any insurance required by applicable laws in place in relation to the performance of its obligations under this Agreement. On the request of **SREC**, **Consultant** shall provide proof of such insurance cover to the extent that such request relates to the **Consultant's** own insurance obligations. Hence, you will not be entitled to claim medi-claim, medical expense or insurance in case of any sickness / accident occurs during the course of this contract.

## 5. **Status and Liability**

5.1 This Agreement is a contract for the provision of services not a contract of employment. At no time during the period covered by this Agreement will a contract of employment exist between the Consultant and The Trust, nor will the Consultant state or give any impression that he is employed by The Trust. Therefore, no Employee Benefit Act (like-EFF Act, ESI Act, Wages Act, etc) shall be applicable to the Consultant.

5.2 Under this contract of services, the **Consultant** would be liable for all the applicable taxes as per the provisions of the relevant law

## 6. **Consultant's obligations during this Agreement**

6.1 The **Consultant** will provide the Services to the best of their skill and ability and use her / his best endeavours to promote the interests of Trust.

6.2 The **Consultant** will not, except with the prior written consent of the Trust, commit Trust to any legally binding agreement or course of conduct.

6.3 In case, any asset is given to the consultant by the Trust for the assignment, the consultant would be responsible for maintaining the same and return the same to The Trust as the time of the termination of this agreement.

6.4 The **Consultant** during the period of this consultancy will not:

- Engage in any political or religious propaganda or similar activity or do anything that may breach the terms of this Agreement or otherwise cause harm or damage of any sort to Trust.

## 7. **Obligations of Trust**

7.1 **The Trust** will co-operate with the **Consultant** to such extent as shall be reasonably required to enable the **Consultant** to provide the Services.

7.2 The consultant may have access to The Trust office resources as an office base as and when required for the purposes of this assignment

## 8. **Confidentiality**

8.1 All information relating to Trust business affairs, products, trade secrets, know-how, personnel, customers, trustees, services users, partners, funders and suppliers or otherwise, which may reasonably be regarded as confidential information shall hereinafter be referred to as 'Confidential Information'.

8.2 The **Consultant** will undertake not to disclose either directly or indirectly, any Confidential Information that she/he may acquire in any manner and further undertakes to use all the Confidential Information disclosed or made available to her/him exclusively for the provision of the Services pursuant to this Agreement.



8.3 The restrictions contained in this clause 8 will cease to apply to any information or knowledge which may come into the public domain otherwise than by way of breach of this clause by the **Consultant**.

8.4 All rights, obligations and waivers under this clause 8 will continue in force after the termination of this Agreement and will be binding upon the **Consultant**.

## 9. Property

All accounts, discs, documents, letters, memoranda, notes, papers, publications, records, reports, samples, tapes and other items provided to or produced by the **Consultant** in providing the Services shall be and remain the property of Trust, and shall be handed over to the Trust from time to time on demand and in any event on the Termination Date.

## 10. Non-Exclusivity

Subject to the compliance of the **Consultant** with the terms of this Agreement, the **Consultant** will be free during the continuation of this Agreement to provide her/his time and services to any other person, company, firm or organisation, provided that such time and services do not directly relate to matters competing or interfering with the activities of Trust and/or provided that in doing so the Consultant is not placed in a position that does or might conflict with, undermine or adversely affect the provision by the Consultant of the Services.

## 11. News Release

Any news release, public announcement, advertisement, or publicity to be released by the **Consultant** in connection with this Agreement must have the prior written approval of Trust, which approval shall not be unreasonably withheld, and shall recognise the participation and contribution of Trust.

## 12. Termination

12.1 This Agreement will automatically terminate with immediate effect on the Termination Date.

12.2 This Agreement may be terminated by The Trust or by the **Consultant** giving to the other not less than 30 days' notice in writing.

12.3 The Trust shall also be entitled to terminate this Agreement at any time if it reasonably believes that there has been a fundamental or serious breach of this Agreement (including a fundamental or serious failure to satisfy or comply with the Terms of Reference) by the **Consultant**.

12.4 Trust shall also be able to terminate this Agreement at any time if in its reasonable opinion that any activity by the **Consultant** is likely to bring Trust into disrepute.

12.5 The **Consultant** will not at any time after the Termination Date represent her or himself as being in any way still connected with Trust.

12.6 On the termination of this Agreement the **Consultant** will not have any claim for damages or compensation of any nature and will be entitled only to any outstanding Fee due up to the Termination Date.

## 13. Protection of Interests:

The Consultant agrees that during the terms of this Agreement and within 6 months following the Termination Date;

13.1 The Consultant will not solicit, interfere with, procure or entice away or attempt to solicit, interfere with, procure or entice away either alone or jointly with any other person, company, firm or organisation any senior or key employee of Trust to leave the employment of Trust.

13.2 The Consultant will not solicit, interfere with, procure or entice away or attempt to solicit, interfere with, procure or entice away either alone or jointly with any other person, company, firm or organisation any customer, client, supplier, contractor, distributor or agent of Trust with whom he or she was concerned or dealt in providing the Services if to do so would cause Trust commercial loss or inconvenience.

## 14. Variations

No variations to this Agreement shall be valid unless in writing and signed by or on behalf of both parties.

## 15. Governing Law and Jurisdiction

This Agreement shall be constructed, interpreted and governed by and in accordance with the Indian laws, regulations, ordinances or the like applicable in India and shall be subject to the exclusive jurisdiction of Delhi.

## 16. Force Majure

If any obligations under this Agreement are unable to be performed by the Parties due to any act of God, inevitable accident, strike or other labour dispute, fire, riot, or civil commotion, government (or agency) action of decree (including but not limited to prohibiting or taking action so as to adversely affect the holding of function), or any other reason beyond the control of any party, then the party will, terminate this Agreement upon written notice.

## 17. Arbitration

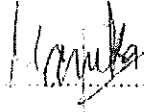
- a. Any dispute or difference arising out of or in connection with this Agreement, which cannot be settled amicably between parties shall be finally settled by Arbitration in accordance with this Article.
- b. Arbitration shall be conducted in accordance with the provisions of the Indian Arbitrations and Conciliation Act, 1996, as amended from time to time. The venue for Arbitration shall be New Delhi and proceeding shall be in the English language.
- c. The Arbitration Tribunal shall comprise of a single Arbitrator. Any dispute between parties shall be referred to the arbitral tribunal to be constituted and/or nominated by the Managing Trustee of the Trust, who shall act as sole arbitrator and the Consultant shall not raise any objection in the event of the arbitrator being employee or related to The Trust in any manner whatsoever.
- d. The term and provision of this agreement shall not limit, restrict prevent or in any way hinder either of the parties hereto from applying for and obtaining any way hinder either of parties hereto from applying for and obtaining any interim or conservatory measures through any competent court of law.

# Solidaridad

18. The Consultant shall comply with The Trust Code of Good Conduct and Practices as set out in more detail in **Annexure B** to this agreement.

IN WITNESS thereof this Agreement has been entered into the day and year first above written.

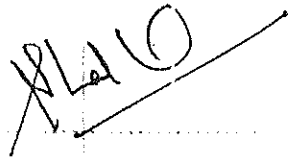
Signed by



**Ms. Monika Khanna, Country Manager - India**  
*for and on behalf of Solidaridad Regional Expertise Centre*

Date

Signed by



**Dr. Sanjay Kumar Sharma, Director Research Services**  
*for and on behalf of Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya*

Date

Annexure

1. Annex A: Request for Payment Form
2. Annex B: Solidaridad's Code of Conduct and Good Practices





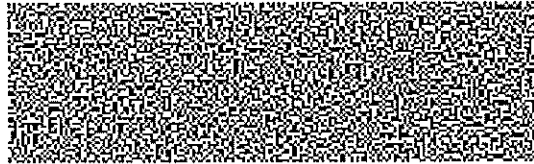
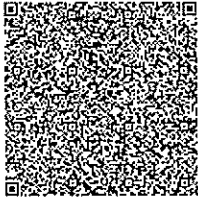
सत्यमेव जयते

INDIA NON JUDICIAL

Government of Karnataka

e-Stamp

Certificate No. : IN-KA04277529407774U  
 Certificate Issued Date : 17-Aug-2022 12:02 PM  
 Account Reference : NONACC (FI)/ kagcsl08/ HESARAGHATTA/ KA-BA  
 Unique Doc. Reference : SUBIN-KAKAGCSL0824428160612384U  
 Purchased by : ICAR INDIAN INSTITUTE OF HORTICULTURAL RESEARCH  
 Description of Document : Article 37 Note or Memorandum  
 Description : MEMORANDUM OF UNDERSTANDING  
 Consideration Price (Rs.) : 0  
 (Zero)  
 First Party : ICAR INDIAN INSTITUTE OF HORTICULTURAL RESEARCH  
 Second Party : RAJMATA VIJARAJE SCINDIA KRISHI VISHWA VIDYALAYA  
 Stamp Duty Paid By : ICAR INDIAN INSTITUTE OF HORTICULTURAL RESEARCH  
 Stamp Duty Amount(Rs.) : 100  
 (One Hundred only)



Please write or type below this line

Memorandum of Understanding (MoU)

between

ICAR-Indian Institute of Horticultural Research, Bengaluru – 560089, Karnataka, India

and

Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior

For facilitating

Students' Training and Postgraduate Research

Page 1 of 7

Statutory Alert: The authenticity of this Stamp certificate should be verified at 'www.stockstamp.com' or using e-Stamp Mobile App of Stock Holding

- Any discrepancy in the details on this Certificate and as available on the website / Mobile App renders it invalid.
- The onus of checking the legitimacy is on the users of the certificate.
- In case of any discrepancy please inform the Competent Authority

INDIA NON JUDICIAL GOVERNMENT OF KARNATAKA

This Memorandum of Understanding (hereinafter referred to as MoU) is made on this 3 day of <sup>October</sup> ~~August~~, 2022 by and between the **ICAR-Indian Institute of Horticultural Research**, having its Head Office at Hessaraghatta Lake Post, Bengaluru-560089 [hereinafter called "ICAR-IIHR"/First party], a constituent Research Institution of the Indian Council of Agricultural Research, Krishi Bhavan, New Delhi-110 001 on the ONE PART and **Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior** having its headquarters at Bengaluru [hereinafter called "MCCA"/Second party] on the OTHER PART (who for the purpose of this MoU are hereinafter collectively referred to as the parties).

The parties, having discussed fields of common research interests and allied activities between the two institutions, have decided to enter into long-term collaboration for promotion of students' training and quality postgraduate research in cutting edge areas in accordance with the provisions contained in the Guidelines issued *vide* Letter No. 2-8/2012- HRD dated 25<sup>th</sup> April, 2014 or as revised from time to time.

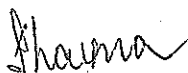
WHEREAS the "First Party" is involved in the studies on Research, education and extension of horticultural crops AND WHEREAS the "Second Party", established *vide* F.No..... dated.....by Government of India/Govt. of ..... [(Name of the Agency) *vide* Act No..... of .....and recognized by University Grants Commission] at its Department of ..... is involved ..... (Specific areas of research).

AND WHEREAS it has been considered expedient to agree in writing to participate jointly in the projects requiring expertise and logistics from both the parties.

### Article 1. Scope

1.1. The Second party will recognize the First party as an Institute for conducting research related to the thesis requirement of the research students for **MSc and Ph.D degree**. The Second party will recognize Scientists of the ICAR Institute as recommended by its Director in accordance with the University rules and regulations for guiding students working for the said degree.

1.2. Operational details of research effort and collaboration will be made in common research programmes and/or projects restricted to specific mandated domain within the approved disciplines/divisions of ICAR-IIHR.




(Signature of First Party)

*Director*

श्री. व. क. व. व. - वैज्ञानिक, कृषि विभाग, दिल्ली  
ICAR Indian Institute of Horticultural Research  
Hessaraghatta Lake Post, Bengaluru-560089

(Signature of Second Party)



DIRECTOR INSTRUCTION  
R.V.S.K.V.V. Gwalior (M.P.)

Page 2 of 7

#### Article 4. General Provisions

4.1. It is understood that the First party and the Second party subscribe to the principle of equal opportunity and do not discriminate on the basis of race, sex, age, caste or religion. Both the Institutions shall abide by these principles in the administration of this agreement and neither party shall impose criteria for exchange of scholars or students, which violate principles of non-discrimination.

4.2. Both parties understand that all financial agreements will have to be negotiated separately and will depend on the availability of funds.

4.3. Both parties acknowledge that exchange of students from one party to the other shall be subject to the availability of funds and shall comply with the regulations and policies of the First party and the Second party.

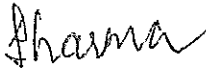
4.4. Any research publications arising will be jointly published in accordance with the provisions laid out in Item 3.2.IC of the Guidelines for the students to conduct research for their degree programme as trainees at ICAR institutions as notified *vide* Letter No. 2-8/2012-HRD dated 25<sup>th</sup> April, 2014 or revised guidelines, if any, as may be issued from time to time.

4.5. A copy of the thesis/dissertation will be submitted to the guide and Central Library of the First Party for record / archiving, in addition to those required by Second party.

4.6. All questions related to this MoU arising during its term will be settled by the parties by mutual agreement. Disagreements at the operating level shall be forwarded to respective higher officials for appropriate resolution failing which an arbitrator of mutual acceptance may be identified for the settlement of dispute, if any.

4.7. All questions not foreseen related to this MoU will be handled by the parties by mutual agreement.

4.8. Nothing in this MoU is intended to affect other cooperation or collaborations between the parties.

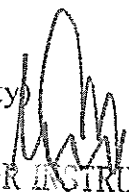


(Signature of First Party)

निदेशक / DIRECTOR

भा.कू.अनु.प.-भारतीय बागवानी अनुसंधान संस्थान  
ICAR-Indian Institute of Horticultural Research  
हेसरगट्टा लेक पोस्ट, बेंगलूरु - 560089  
Hesaraghatta Lake Post, Bengaluru - 560089

(Signature of Second Party)

  
DIRECTOR INSTRUCTION  
K.V.S.K.V.V. GWALIOR (M.P.)

## Article 5. Intellectual Property Rights

5.1. The Second party will be expected to ensure protection of the Intellectual Property Rights generated or likely to be generated during the student's research work. The ICAR as the first applicant (for its institute) and the Second party shall be the joint applicants for IPRs and the students and involved scientific staff shall be included as the inventor/breeder/author. The 'ICAR Guidelines for Intellectual Property Management and Technology Transfer/Commercialization' as amended from time to time shall be the reference for exploitation of the generated intellectual property, whose management and benefits sharing shall be mutually decided in each case.

## Article 6. Admission and Fees

6.1. All those who wish to register for Master/Doctoral programme under this MoU must apply for admission at the Second party. The allocation of Major Guide/Advisor would be finalized before the registration and will be governed by the provisions laid out in Items 3.2.1A and 3.2.2A of the Guidelines for the students to conduct research for their degree programmes as trainees at ICAR institutions as notified *vide* Letter No. 2-8/2012-HRD dated 25<sup>th</sup> April, 2014 or revised Guidelines, if any, as may be issued from time to time, for the students from within NARS and outside NARS, respectively.

6.1.A. The Second party shall also admit in-service candidates from First party as recommended by the Director of first Party with deputation for course work at second party and research work at first party following their extant rules for MSc/PhD programme without any financial commitment.

6.2. Admission of the students and the award of degrees for different programmes will be the responsibility of the Second party as per the rules and regulations.

6.3. Allotment of the students at the First party will be done by the approval of Director of the First party and Vice-Chancellor/Head of the Institution of the Second party.

6.4. The First party would have the right to screen the student's eligibility for admission based on their academic period.

6.5. The PME Cell of the First party in consultation with the representative of the Second party shall decide the location and sharing quantum of research work.

6.6. The number of student(s) at any particular time will be subjected to the availability of research facilities and scientists' time to guide thesis research at the First party institution.

  
(Signature of First Party)  
निदेशक / DIRECTOR

भा.कू.अनु.प.-भारतीय जगज्वायि अनुसंधान संस्थान  
ICAR-Indian Institute of Horticultural Research  
हेसरगहटा लेक पोस्ट, बेंगलूर - 560089  
Hesaraghatta Lake Post, Bengaluru - 560089

  
(Signature of Second Party)  
DIRECTOR IN CHARGE  
F.V.S.K.V.V. WALIAR (M.P.)

6.7. Any student(s) admitted to the First party for training/postgraduate research, if found violating the rules and regulations laid down by the First party or indulge in such activities that amount to tarnishing the image of the Institute, or cause damage to the property, the registration of such student(s) would be summarily terminated. The Second party will not complete the formalities of issuing the certificates to such students until they compensate the losses to the First party.


6.8. Fees will be charged from the students by the First party as per Guidelines for the students to conduct research for their degree programmes as trainees at ICAR institutions *vide* Letter No. 2-8/2012-HRD dated 25<sup>th</sup> April, 2014 or revised Guidelines, if any, as may be issued from time to time. **No fee may be charged by the First party from the students registered with AU/DU within NARS.** However a student registered with a Second party, outside NARS, shall be uniformly charged a fee of Rs.20,000/- for training/ research/ dissertation up to duration of 3 months and @ Rs.30,000/- per semester for the work exceeding three months. The fee structure is to be reviewed periodically after two years by the AU/DU or the ICAR Institute, as the case may be. However, the students may be charged a fee of Rs.10,000/- for training duration of three months not leading to a dissertation/ degree. Any change on fee structure by ICAR will be applicable from date of revision and shall be charged by first party.

#### Article 7. Entry into effect, modification and termination

7.1. This MoU Shall become effective on the date it is signed by the parties and shall be valid for three years at the first instance. The period of validity of this MOU may be extended by mutual consent up to five years. Both parties shall review the stats of the MoU at the end of each three/five year period to determine any modification, whenever necessary. This MoU may be amended by mutual written agreement and may be terminated at any time by either party upon written notification signed by the competent authority of the party initiating termination. Such notification must be given to the other party at least six months in advance from the effective date of termination.

7.2. All joint activities not completed at the expiration or termination of the MoU may be continued until their completion under the terms of this MoU.

7.3. No amendment or modification of the MoU shall be valid unless the same is made in writing by both the parties or their authorized representatives and specifically stating the same to be amendment of the MoU. The modifications/ changes shall become part of the MoU and shall be effective from the date on which they are made/executed, unless otherwise agreed to.

  
(Signature of First Party)  
निदेशक / DIRECTOR

भा.सू.अनु.प.-भारतीय चागधानि अनुसंधान संस्थान  
ICAR-Indian Institute of Horticultural Research  
हेसरगहटा लेक पोस्ट, बेंगलूर - 560089  
Hesarghatta Lake Post, Bengaluru - 560089

(Signature of Second Party)  
DIRECTOR INSTRUCTION  
M.S.K.V.V. Gwalior (M.P.)  
Page 6 of 7



1.3. Research instrumentation facility and library facilities available with the First party and the Second party will be made available to the faculty and research scholars. However, the costs of specific consumables will be borne by the respective organizations.

1.4. There shall be an exchange of students for academic, research and training purposes. Accommodation in the Hostel / Quarters shall be arranged, subject to availability, as per extant rates. In the event of non-availability for any reason, the students will have to make their own arrangements for boarding and lodging. The duration of exchange visits will be determined by mutual consent between both the parties.

1.5. Both Institutions shall take up joint research programs of mutual interest especially for evaluation, demonstration and popularization of varieties developed by IIHR in the Jurisdiction of the University.

## Article 2. Management

2.1. Director of the First party and the Vice-Chancellor/Head of the Institution of the Second party will be responsible to work out operational details of co-operation between the two organizations and ensure proper and effective implementation of this MoU.

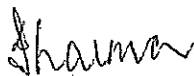
2.2. The advisory committee will meet atleast once in a year alternatively in the institutions of the First and Second party to review the activities. This meeting shall include presentations on the academic and research activities, which should be open to the students, faculty and scientists.

2.3 The Guide/ Chairman shall be from ICAR-IIHR if the students are interested to do their research work and Co-guide shall be from the Second party.

## Article 3. Exchange of Information

3.1. The term "information" includes scientific or technical data, results and/or methods of investigation, and other information intended to be provided, exchanged, or arising under project descriptions entered into pursuant to this MoU.

3.2. The parties support the widest possible dissemination of information. Each party in joint projects shall be given the right to use, disclose, publish or disseminate such information for any and all purposes.



(Signature of First Party)

निदेशक / DIRECTOR

भा.कू.अनु.प.-भारतीय बागवानी अनुसंधान संस्थान  
ICAR-Indian Institute of Horticultural Research  
हेमचन्द्रा रोड, पोस्ट, बी.एस.पी. जंक्शन,  
Mysore

(Signature of Second Party)

DIRECTOR INSTRUCTION

F.V.S.K.V.V. GWALIOR (M.P.)

Page 3 of 7

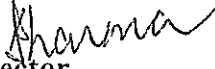
This MoU has been executed in two originals, one of which has been retained by the First party and the other by the Second party).

IN WITNESS WHEREOF, the parties have executed this MoU and represent that they approve, accept and agree to terms contained herein.

(Name and Address of the First Party) (Name and Address of the Second Party)

ICAR-Indian Institute of Horticultural Research, Hessaraghatta Lake Post, Bengaluru – 560089, Karnataka, India	Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior
--	---

Name of the Director of the First Party:

  
Director  
ICAR-IIHR, Lake Post,  
Hessaraghatta,  
Bengaluru-560 089, Karnataka  
Tel No. 080-23086100

Name of the Dean/Head of the Institution of the Second Party)

Dean / Register  
Rajmata Vijayaraje Scindia Krishi  
Vishwa Vidyalaya  
Gwalior- 474 0029 (M.P.)  
Tel. No.0751-2970517(O)

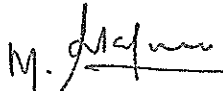
Date:

Date:


निदेशक / DIRECTOR  
भा.कू.अनु.प.-शास्त्रीय बागवानी अनुसंधान संस्थान  
ICAR-Indian Institute of Horticultural Research  
हेसरघट्टा लेक पोस्ट, बेंगलूर - 560089  
Hessaraghatta Lake Post, Bengaluru - 560089  
Signature with Seal

  
DIRECTOR INSTRUCTION  
R.V.S.K.V.V. GWALIOR (M.P.)  
Signature with Seal


Witness 1

  
(M. SANKARAN)

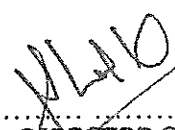
Witness 1

  
(ANIL KUMAR)  
Registrar  
R.V.S.K.V.V. Gwalior

Witness 2

  
[P. POORNIMA. KN]

Witness 2

  
DIRECTOR RESEARCH SERVICES  
Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya  
Gwalior - 474002 - M.P. India

(2022-23) - 2

Mail 16/11/22



**OFFICE OF THE DIRECTORATE OF INSTRUCTIONS**

**Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya,**

Raja Pancham Singh Marg, Behind LNUPE, Gwalior – 474002 (M.P.)

Telfax: 0751-2970517(O)

E-mail di@rvskvv.net

Website www.rvskvv.net

No./DI/2022-23/ 2027

Dated/6.../11/2022

**ORDER**

On the recommendation of Dean, College of Agriculture, Gwalior and as per consent received from Dr. Manjunatha Gowda D C (Veg. Science) ICAR-IIHR, Hesaraghatta, Bengaluru, Karnataka, Miss Shruti Soni (Roll No. 21113204) Ph.D. student of Veg. Science, College of Agriculture, Gwalior is hereby permitted to conduct her research work (Thesis research work) at ICAR-IIHR, Bengaluru, Karnataka with following terms & conditions.

1. She shall report to the Director, ICAR-IIHR, Bengaluru, Karnataka for thesis research work after relieving from the Dean, College of Agriculture, Gwalior.
2. She shall be registered in each semester at College of Agriculture, Gwalior after payment of prescribed fees of each semester.
3. She shall submit the progress of research work time to time to HOD, Veg. Science, College of Agriculture, Gwalior.
4. She shall submit her attendance every month of fulfill her residential requirements to HOD, Veg. Science, College of Agriculture, Gwalior duly verified by Major Advisor-II of ICAR-IIHR, Bengaluru, Karnataka.
5. Major Advisor-I of the thesis research work shall be Teacher/Professor/Scientist of the University and Major Advisor-II shall be from ICAR-IIHR, Bengaluru, Karnataka.
6. After completion of research work, she shall submit her thesis to HOD, Veg. Science, College of Agriculture, Gwalior.
7. The comprehensive exam, Doctoral Degree Seminar at College of Agriculture, Gwalior and thesis viva-voce shall be conducted at RVSKVV, Gwalior.

Endt./ No. DI/2022-23/ 2027

C.C. to:

1. Dean Faculty of Agriculture, RVSKVV, Gwalior
2. Dean, College of Agriculture, Gwalior
3. Director, ICAR-IIHR, Bengaluru.
4. Registrar, RVSKVV, Gwalior
5. Dy. Registrar, (Academic), RVSKVV, Gwalior
6. HOD, Horticulture, College of Agriculture, Gwalior
7. Person concern, Miss Shruti Soni (Roll No. 21113204) Ph.D. student of Veg. Science, College of Agriculture, Gwalior.
8. P.S. to Hon'ble Vice Chancellor, RVSKVV, Gwalior

Director Instructions  
Dated: 16.../11/2022

Director Instructions



# Memorandum of Understanding

**BETWEEN**

**MURDOCH UNIVERSITY**

**- And -**

**Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya**

*Dr. G.K. Shankar / Mr. Sengupta*  
*[Signature]*  
*14/11/22*

**University Registrar's Office**

South Street  
MURDOCH WA 6150

Tel: +61 8 9360 6614  
Fax: +61 8 9360 6847

*Mov*

**This Memorandum of Understanding ("MOU") is made between:**

**MURDOCH UNIVERSITY** of 90 South Street, Murdoch, Western Australia, 6150 ("Murdoch")

-and-

**RAJMATA VIJAYARAJE SCINDIA KRISHI VISHWA VIDYALAYA** of Race Course Road, near Mela Grounds, Gwalior, Madhya Pradesh 474002, India ("RVSKVV Gwalior")

### **1. INTRODUCTION**

Murdoch and RVSKVV Gwalior ("Parties") want to collaborate with each other so as to promote the advancement of international understanding, dissemination of learning and strengthening of cultural ties. They have entered into this MOU to create a foundation from which such collaboration may be developed.

### **2. MUTUAL INTEREST**

The Parties share a mutual intent to support and promote the spirit of this MOU by encouraging academic collaboration, including:

- 2.1. development and promotion of:
  - 2.1.1. research;
  - 2.1.2. research training; and
  - 2.1.3. teaching, curriculum and course design, including training programmes;
- 2.2. sharing and dissemination of academic materials;
- 2.3. exchange of, and cooperation between, respective staff, scholars and students including supervision and examination of students and the training and upgrading of staff; and
- 2.4. Sponsoring cooperative seminars, workshops and other academic meetings of matters of mutual interest.

### **3. NATURE OF COLLABORATION**

- 3.1. Murdoch and RVSKVV Gwalior propose to develop links between the two institutions and support the aims of this MOU by way of:
  - 3.1.1. staff exchanges
  - 3.1.2. student exchange programme; and
  - 3.1.3. Collaborative projects in areas of mutual interest.
- 3.2. The Parties recognise that the collaborative activities referred to in paragraph 3.1 will need to be conducted by way of separate, written arrangements.

Those agreements will set out the Parties' various rights and obligations in respect of those activities.

#### **4. DURATION**

- 4.1. Subject to paragraph 4.2, this MOU will commence on the date it is fully executed and will last for five years.
- 4.2. Either Party may terminate this MOU by giving the other Party 3 months' written notice of termination.

#### **5. NOMINATED REPRESENTATIVES**

- 5.1. The Parties' nominated representatives are:

**For Murdoch:**

Name: Professor Rajeev Varshney

Position: Director of the State Agricultural Biotechnology Centre and Director of the Centre for Crop & Food Innovation

Phone: + 61 8 9360 2608

Email: Rajeev.varshney@murdoch.edu.au

**For RVSKVV Gwalior:**

Name: Professor Sanjay K. Sharma

Position: Director Research Services, RVSKVV, Gwalior

Phone: +91 9893946434

Email: drs@rvskvv.net

- 5.2. Each Party's nominated representative is responsible for the development and implementation of this MOU, including receiving and acting on proposals for collaborative activities referred to in paragraph 3.1.

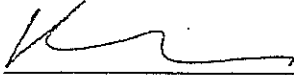
#### **6. LEGAL ISSUES**

Nothing in this MOU will create a legal relationship between the Parties or be legally binding on them. This MOU is to affirm the intent of the Parties to work together in good faith in an attempt to progress the matters described in this MOU.

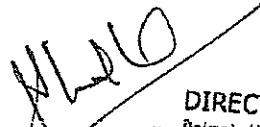
**EXECUTED as a memorandum of understanding by the Parties:**

**EXECUTED** for and on behalf of  
**MURDOCH UNIVERSITY** by

**EXECUTED** for and on behalf of  
**RAJMATA VIJAYARAJE SCINDIA  
KRISHI VISHWA VIDYALAYA** by



Signature with Seal  
Name: Prof. Peter Davies  
Position: Interim Deputy Vice-  
Chancellor Research &  
Innovation



Signature with Seal  
Name: Dr Sanjay Kumar Sharma  
Position: Director Research Services

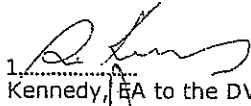
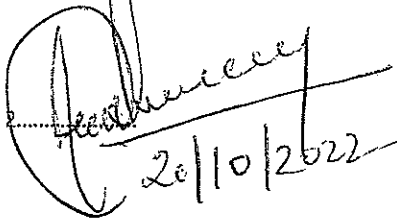
**DIRECTOR RESEARCH SERVICES**  
Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya  
Gwalior - 474002 - M.P. India

Date: 20 / 10 / 2022

Date: 17 / 10 / 2022


Witness 1.....  
Sandra Kennedy, EA to the DVCRI

Witness 2.....

  
  
20/10/2022

**Director Extension Services**  
DES-RVSKVV, Gwalior (M.P.)

Witness 1.....

Dean  
Faculty of Agriculture  
R.V.S.K.V.V. Gwalior (M.P.)

April 30, 2024

**To Whom it May Concern**

**Subject: Experience Certificate – Dr Sushma Tiwari**

This is to certify that Dr Sushma Tiwari has been known to me for the last two years. She worked as a Visiting Scientist at the Centre for Crop and Food Innovation (CCFI), Murdoch University, Western Australia, under my supervision from 1<sup>st</sup> August 2022 to 20<sup>th</sup> October 2022. She is sincere and hardworking and is well familiar with advanced biotechnological tools and technologies including marker assisted selection, genome editing, high throughput genotyping and genome analysis.

Dr Tiwari played a significant role in the successful implementation of an MOU between Murdoch University and Rajmata Vijayaraje Scindia Krishi Vishwavidyalaya University (RVSKVV), Gwalior, India to strengthen science and research related activities globally. To my knowledge and experience she bears good conduct and scientific temperament for future academic and research endeavours.

I wish her all the best for her future endeavours.

Yours sincerely



**Professor Rajeev Varshney FRS**  
Director, WA State Agricultural Biotechnology Centre  
Director, Centre for Crop & Food Innovation  
International Chair in Agriculture & Food Security

**Professor Rajeev K Varshney**  
Director, WA State Agricultural Biotechnology Centre,  
Director, Centre for Crop & Food Innovation  
International Chair in Agriculture & Food Security  
Murdoch University  
90 South St, Murdoch, WA 6150, AUSTRALIA



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Umbrella Memorandum of Understanding  
between

**ICAR-Central Institute for Arid Horticulture, Bikaner**

(Name of the ICAR Institute)  
and

**Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior**

University/DU [Within NARS (AUs/ICAR DUs) or Outside NARS (Central/State Govt./Public Sector Funded Institutions/State Universities/Autonomous Bodies/Private Universities or Institutions)]

*for facilitating*  
Students' Training/Postgraduate Research

This Memorandum of Understanding (hereinafter referred to as MoU) is made on this ..... 21<sup>st</sup> day of the month of October ..... in the year 2022 by and between the ..... (Name of the ICAR Institute) having its Head Office at Central Institute for Arid Horticulture [hereinafter called "ICAR- CIAH, Bikaner"/First party], a constituent Research Institution of the Indian Council of Agricultural Research, Krishi Bhavan, New Delhi-110 001 on the ONE PART and the Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior, M.P. [ Name of the AU/ICAR-DU (Within NARS) or Central/State Govt./Public Sector Funded Institution/State University/Autonomous Body/Private University or Institution having its headquarters at Gwalior, M.P. – 474002 [hereinafter called "Bikaner, Rajasthan" /Second party] on the OTHER PART (who for the purpose of this MoU are hereinafter collectively referred to as the parties).

The parties, having discussed fields of common research interests and allied activities between the two institutions, have decided to enter into long-term collaboration for promotion of students' training and quality postgraduate research in cutting edge areas in accordance with the provisions contained in the Guidelines issued vide Letter No. 2-8/2012-HRD dated 11th December, 2012 or as revised from time to time.

WHEREAS the "First Party" is involved in the studies on Arid Horticulture (specific mandated domain within the approved disciplines/divisions),


AND WHEREAS the "Second Party", established vide F. No. 5.0.7. dated 19/7/2008 by Govt. of India/Govt. of M.P. (Name of the Agency) vide Act No. 4 of 2008. and recognized by University Grants Commission] at its Department of ..... Agri. Horti. .... is involved in basic, strategic and applied agricultural research for arid and semi-arid region (specific areas of research),

AND WHEREAS it has been considered expedient to agree in writing to participate jointly in the projects requiring expertise and logistics from both the parties.



(Signature of First Party)  
निदेशक/DIRECTOR

भाकअनुप-केन्द्रीय शुष्क बागवानी संस्थान  
ICAR-CENTRAL INSTITUTE FOR ARID HORTICULTURE  
बीकानेर/BIKANER

  
(Signature of Second Party)  
DIRECTOR INSTRUCTION  
R.V.S.K.V.V. GWALIOR (M.P.)  
Page 1 of 5

**Article 1. Scope**

- 1.1 The Second party will recognize the First party as an Institute for conducting research related to the thesis requirement of the research students for M.Sc., Ph.D. (Name of the degree programme). The Second party will recognize Scientists of the ICAR Institute as recommended by its Director in accordance with the University rules and regulations for guiding students working for the said degree.
- 1.2 Operational details of research effort and collaboration will be made in common research programmes and/or projects restricted to specific mandated domain within the approved disciplines/divisions. The objective(s) for research work for a student coming from a Second party outside NARS should be exclusively different as far as possible.
- 1.3 Research instrumentation facility and library facilities available with the First party and the Second party will be made available to the faculty and research scholars. However, the costs of specific consumables will be borne by the respective organizations.
- 1.4 There shall be an exchange of students for academic, research and training purposes. Accommodation in the Hostel shall be arranged, wherever possible, as per extant rates. The duration of exchange visits will be determined by mutual consent between both the parties.

**Article 2. Management**

- 2.1 Director of the First party and the Vice-Chancellor/Head of the Institution of the Second party will be responsible to work out operational details of co-operation between the two organizations and ensure proper and effective implementation of this MoU.
- 2.2 The Advisory Committee will meet at least once in a year alternatively in the institutions of the First party and the Second party to review the activities. This meeting shall include presentation on the academic and research activities, which should be open to the students, faculty and scientists.

**Article 3. Exchange of Information**

- 3.1. The term "information" includes scientific or technical data, results and/or methods of investigation, and other information intended to be provided, exchanged, or arising under project descriptions entered into pursuant to this MoU.
- 3.2. The parties support the widest possible dissemination of information. Each party in joint projects shall be given the right to use, disclose, publish or disseminate such information for any and all purposes.

**Article 4. General Provisions**

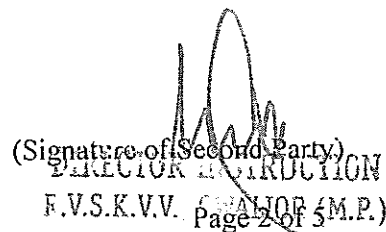
- 4.1 It is understood that the First party and the Second party subscribe to the principle of equal opportunity and do not discriminate on the basis of race, sex, age, caste or religion. Both the Institutions shall abide by these principles in the administration of this agreement and neither party shall impose criteria for exchange of scholars or students, which violate principles of non-discrimination.



(Signature of First Party)

निदेशक/DIRECTOR

भाकृअनुप-केंद्रीय शुष्क बागवानी संस्थान  
ICAR CENTRAL INSTITUTE FOR ARID HORTICULTURE  
बीकानेर/BIKANER



(Signature of Second Party)  
DIRECTOR IN CHARGE  
F.V.S.K.V.V. CHANOL (M.P.)  
Page 2 of 5

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- 4.2 Both parties understand that all financial agreements will have to be negotiated separately and will depend on the availability of funds.
- 4.3 Both parties acknowledge that exchange of students from one party to the other shall be subject to the availability of funds and shall comply with the regulations and policies of the First party and the Second party.
- 4.4 Any research publications arising will be jointly published in accordance with the provisions laid out in Item 3.2.1C of the Guidelines for the students to conduct research for their degree programme as trainees at ICAR institutions as notified vide Letter No. 2-8/2012-HRD dated 11th December, 2012 or revised guidelines, if any, as may be issued from time to time.
- 4.5 A copy of the thesis/dissertation will be submitted to the First Party after the award of the degree by the Second party.
- 4.6 All questions related to this MoU arising during its term will be settled by the parties by mutual agreement. Disagreements at the operating level shall be forwarded to respective higher officials for appropriate resolution failing which an arbitrator of mutual acceptance may be identified for the settlement of dispute, if any.
- 4.7 All questions not foreseen related to this MoU will be handled by the parties by mutual agreement.
- 4.8 Nothing in this MoU is intended to affect other cooperation or collaborations between the parties.

**Article 5. Intellectual Property Rights**

5.1 The Second party will be expected to ensure protection of the Intellectual Property Rights generated or likely to be generated during the student's research work. The ICAR as the first applicant (for its institute) and the Second party shall be the joint applicants for IPRs and the students and involved scientific staff shall be included as the inventor/breeder/author. The 'ICAR Guidelines for Intellectual Property Management and Technology Transfer/Commercialization' as amended from time to time shall be the reference for exploitation of the generated intellectual property, whose management and benefits sharing shall be mutually decided in each case.

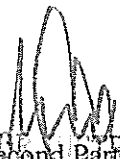
**Article 6. Admission and Fees**

- 6.1 All those who wish to register as trainees or for Master/Doctoral programme under this MoU must apply for admission at the Second party. The allocation of Major Guide/Advisor would be finalized before the registration and will be governed by the provisions laid out in Items 3.2.1A and 3.2.2A of the Guidelines for the students to conduct research for their degree programmes as trainees at ICAR institutions as notified vide Letter No. 2-8/2012-HRD dated 11th December, 2012 or revised Guidelines, if any, as may be issued from time to time, for the students from within NARS and outside NARS, respectively.
- 6.2 Admission of the students and the award of degrees for different programmes will be the responsibility of the Second party as per the rules and regulations.
- 6.3 Allotment of the students at the First party will be done by the approval of Director of the First party and Vice-Chancellor/Head of the Institution of the Second party.
- 6.4 The First party would have the right to screen the student's eligibility for admission based on their academic period.



(Signature of First Party)  
निदेशक/DIRECTOR

भाकृअनुप-केन्द्रीय शुष्क बागवानी संस्थान  
ICAR-CENTRAL INSTITUTE FOR ARID HORTICULTURE  
बीकानेर/BIKANER



DIRECTOR  
(Signature of Second Party)  
F.V.S.K.V.V. GHALIOR (M.P.)

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- 6.5 The PME Cell of the First party in consultation with the representative of the Second party shall decide the location and sharing quantum of research work.
- 6.6 The number of student(s) at any particular time will be subjected to the availability of research facilities and scientists' time to guide thesis research at the First party institution.
- 6.7 Any student(s) admitted to the First party for training/postgraduate research, if found violating the rules and regulations laid down by the First party or indulge in such activities that amount to tarnishing the image of the Institute, or cause damage to the property, the registration of such student(s) would be summarily terminated. The Second party will not complete the formalities of issuing the certificates to such students until they compensate the losses to the First party.
- 6.8 Fees will be charged from the students by the First party as per Guidelines for the students to conduct research for their degree programmes as trainees at ICAR institutions vide Letter No. 2-8/2012-HRD dated 11th December, 2012 or revised Guidelines, if any, as may be issued from time to time. No fee may be charged by the First party from the students registered with AU/DU within NARS. However a student registered with a Second party, outside NARS, will deposit fee of Rs. 10,000/- for training duration of 3 months (not leading to a degree/dissertation) and Rs. 30,000/- per semester (six months) for training, research, dissertation exceeding three months. Any change in fee structure by ICAR will be applicable from the date of revision and shall be charged by the First party.

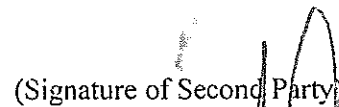
#### Article 7. Entry into effect, modification and termination

- 7.1. This MoU shall become effective on the date it is signed by the parties and shall be valid for **three years extendable up to five years**. Both parties shall review the status of the MoU at the end of each three/five year period to determine any modification, whenever necessary. The period of validity of this MoU may be extended by mutual consent up to five years. This MoU may be amended by mutual written agreement and may be terminated at any time by either party upon written notification signed by the competent authority of the party initiating termination. Such notification must be given to the other party at least six months in advance from the effective date of termination.
- 7.2. All joint activities not completed at the expiration or termination of the MoU may be continued until their completion under the terms of this MoU.
- 7.3 No amendment or modification of the MoU shall be valid unless the same is made in writing by both the parties or their authorized representatives and specifically stating the same to be amendment of the MoU. The modifications/changes shall become part of the MoU and shall be effective from the date on which they are made/executed, unless otherwise agreed to.



(Signature of First Party)

निदेशक/DIRECTOR  
भाकृअनुप-केन्द्रीय शुष्क बागवानी संस्थान  
ICAR-CENTRAL INSTITUTE FOR ARID HORTICULTURE  
बीकानेर/BIKANER




(Signature of Second Party)

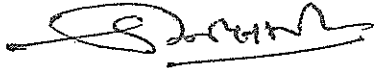
DIRECTOR  
Page 4 of INSTRUCTION  
F.V.S.K.V.V. GWALIOR (M.P.)

This MoU has been executed in **two originals**, one of which has been retained by the First party and the other by the Second party).

IN WITNESS WHEREOF, the parties have executed this MoU and represent that they approve, accept and agree to terms contained herein.

Director   
ICAR-Central Institute for Arid Horticulture  
Vidyalaya,  
Beechwal, Bikaner-334006, Rajasthan

(Name and Address of the First Party)

  
Dr. D.K. Samadia  
Name of the Director of the First Party  
भाकृअनुप-केन्द्रीय शुष्क बागवानी संस्थान  
ICAR-CENTRAL INSTITUTE FOR ARID HORTICULTURE  
Tel. No. 0151-2250443  
बीकानेर BIKANER

Date


Director Instructions,  
Rajmata Vijayaraje Scindia Krishi Vishwa

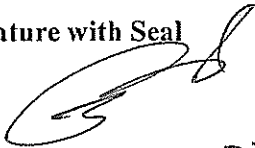
Admin Block, Ground Floor,  
Raja Pancham Singh Marg, Gwalior, M.P.  
(Name and Address of the Second Party)

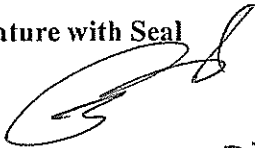
Dr. S.P.S. Tomar  
Name of the Director Instructions,  
of the Second Party


Tel No. 0151-2250443

Date


  
DIRECTOR INSTRUCTION  
F.V.S.K.V.V. GWALIOR (M.P.)

Signature with Seal 

Witness 1   
डा. धुरेन्द्र सिंह  
प्रधान वैज्ञानिक  
केन्द्रीय शुष्क बागवानी संस्थान  
बीकानेर (राज.)

Witness 2   
Dr. D.K. Samadia  
प्रधान वैज्ञानिक  
(फल विज्ञान)  
के.शु.बा.सं., बीकानेर  
पिन. 334006

Signature with Seal

Witness 1   
(Anil Kumar) Registrar  
R.V.S.K.V.V. Gwalior

Witness 2   
DIRECTOR RESEARCH SERVICES  
Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya  
Gwalior - 474002 - M.P. India

Agreement of for the “Organic Cotton Initiative (OCI) ” Project

BETWEEN

**Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya (RVSKVV)**, Race Course Road, Near Mela Grounds, Gwalior, Madhya Pradesh 474002, INDIA, further referred to as “RVSKVV” legally represented in this matter by Dr. S.K.Sharma, Director Research Services, RVSKVV, Gwalior.

AND

**Vashudha Swaraj Privet Limited (VSPL)**, 701, NRK Business Park, Scheme 54, Vijay Nagar Circle, Indore, Madhya Pradesh further referred to as “VSPL” legally represented in this matter by Mr. Avinash Karmarkar, Vice President of the company.

Concerning the implementation of the project **Organic Cotton Initiative - Breeding for improved Non GM varieties/ hybrids of cotton and standardization of input for Organic Farming** as per the details mentioned in the project Proposal submitted to Director Research Services, RVSKVV, Gwalior.

**The Parties**

**Vasudha Swaraj Privet Limited** a company registered under Company’s Act. VSPL is a farm subsidiary of Pratibha Syntex Ltd which is a textile vertical having production facilities in Pithampur, MP. VSPL is presently working with 27500 organic farmers in cotton regions of MP and Rajasthan. VSPL is engaged in training, development and certification of these farmers for organic practices and standards. VSPL has a long experience in development of organic package of practices for cotton and other crops, development of organic inputs for farmers and cotton seed research and production. It has its own dedicated farm admeasuring 20 acres with 2 polyhouses for non GM cotton seed research and production. The cotton seed research projects are technically supported and funded by FiBL, Organic Cotton Accelerator (OCA) and Fairtrade International. One arboremum variety of cotton developed by VSPL has been ‘recently released by state university. It has developed 2 non GM cotton hybrids for organic cotton farmers, besides has lot of research material of non GM cotton seed under testing. It has access to large number of organic farmers where seed trails can be undertaken.

**RVSKVV**

The Rajmata Vijayaraje Scindia Krishi Vishwavidyalaya, Gwalior was established by Government of Madhya Pradesh Vide Ordinance No. 4 of 2008 notified in the Extraordinary Gazette No. 507 dated 19th August 2008 as second Agricultural University by bifurcating the JNKVV, Jabalpur. As per RVSKVV act (No. 4, year 2009), the horticulture and veterinary science & animal husbandry. The research activities are operated through five Zonal Agricultural Research Stations (Morena, Khargone, Jhabua, Indore and Sehore); four Regional Agricultural Research Stations

(Gwalior, Mandsaur, Ujjain and Khandwa) and 4 special research stations (Entkhedi, Bagwai, Jaora and Badwah) having 22 All India Coordinated Research Projects and several adhoc projects to enhance the productivity and profitability of agriculture system. Transfer of technology is the part of extension activities carried out by 19 Krishi Vigyan Kendras.

### **Scope of Agreement**

VSPL and RVSKVV will cooperate in the implementation of the **Organic Cotton Initiative** project, in accordance with the project description, the approved budget and, where applicable, additional agreements and documents. The project milestones (Annex I) and approved budget (Annex II) form part of this agreement.

Subject to the provisions for termination set forth below, this agreement is for the duration of 5 years (2022-2027) subjected to availability of funds. Milestones and budget will be revised each year accordingly.

The above-mentioned partners are agree to work together with the aim to develop high yielding long linted varieties/hybrids of Desi and American cotton using resources of smart breeding and genetic variability available with them. The Package of practices for organic cultivation is to be developed to utilize the full genetic potential of varieties developed so far. The multi-location testing of varieties/hybrids for wide adoptability in Madhya Pradesh and other cotton growing state with farmers participation is also the major aim of the project. An important goal of the project is the conservation and use of genetic diversity, especially the local Desi cotton types. The partners make sure the availability of high-quality Non-GM seed of developed cultivars of cotton for farmers.

The technology developed under the project will be regulated under IPR and partners have equal share in it.

Additional organic farming/research organizations, breeders and stakeholders of the cotton chain are encouraged to participate in the Organic Cotton Initiative project if they have own funding. Project results will be disseminated to the organic cotton sector and promising breeding lines will be exchanged with interesting organic growers' organization for testing under their local conditions.

### **Role of Partners:**

**The Principal investigator for Organic Cotton Initiative Project will be Dr. D. K. Shrivastava** Breeder, AICRP on Cotton at B. M. College of Agriculture, Khandwa. He will provide scientific support, coordination and monitoring of this project.

**RVSKVV, Gwalior** will be responsible for the proper and timely implementation of project activity.

**Specific tasks and responsibilities of RVSKVV** are as follows:

- Overall project coordination, planning, scientific guidance and coordinated implementation of the project in mutual agreement with the partner.
- Monitoring and controlling of the project progress.
- Technical and financial reporting.
- Coördinating dissemination activities related to Organic Cotton Initiative project.

**Specific tasks and responsibilities of VSPL** are as follows:

- ✓ Coordination in follow up programme
- ✓ Conduction of CET and multilocation trials

**Specific tasks and responsibilities of RVSKVV, Gwalior and VSPL, Indore** are as follows:

- Testing of GM contamination in genetic material.
- Interchange of breeding line with specific traits/advance lines/trait specific germplasm lines
- Development of at least 20 crosses/year
- Evaluation of hybrids
- Handling of segregating population
- Off season generation advancement, multiplication of seed of advance lines
- Cultivar Evaluation trial (CET) at B.M. College of agriculture, Khandwa and VSPL research fields
- Multilocation trial at least 7-8 locations
- Evaluation of organic resources of nutrients, quantity and method of application.
- Standardization of bio inputs for active bio ingredients and method of preparation.
- Package of practices for high Seed Cotton Yield and fiber quality
- At least 1 On-station trials with 15 or more cultivars tested to be free of GMO and fiber length (>28mm); at least 5 *G. arboreum* lines and 5 *G. hirsutum* lines at one site tested in two replications with detailed assessment of agronomic and fiber parameters.
- At least 20 F1 hybrids / crosses forwarded to obtain at least 200 F2 seed per population.
- At least 20 F2 populations forwarded to F3generations.
- At least 20 F3 populations forwarded to F4generations.
- At least 20 F4 populations forwarded to F5generations.
- At least 10 populations of advanced generations (F5-F8) selected under organic conditions
- Seed multiplication of 5 promising cotton cultivars for next season.

Both partners will be responsible for networking and promoting the project.

*All the above-mentioned tasks and responsibilities are minimum requirements to be fulfilled for OCI 2022-2023.*



## **Timelines**

All activities have to follow the milestones defined in the proposal and the impact of project activities have to be monitored and reported.

*The milestones will be decided on yearly basis and budget will be revised accordingly*

## **Potential Budget**

VSPL is intended to support the breeding program with a contribution of maximum Rs 11.00 lakhs to be paid in two installments for activities of cotton season 2022-23.

- First installment of 50% after agreement signed between RVSKVV and VSPL.
- Second installment of remaining 50% up to Jan 2023.
  - ✓ Total budget allocation is segregated for Contingency, Manpower and Others (Annexure II).
  - ✓ RVSKVV is responsible to submit financial reporting and financial audits against these main budget lines to VSPL.

Payment will be made after invoicing to VSPL.

## **Reporting**

VSPL and RVSKVV, Gwalior will have regular communication through online or offline meetings organized from either side.

VSPL and RVSKVV, Gwalior will implement the project in a professional way and in accordance with the project description and approved budget. If Gwalior University departs from the project description or approved budget without prior consultation with VSPL, VSPL shall be entitled to cease all subsequent payments until involved parties have agreed upon the modification and continuation of the project.

RVSKVV, Gwalior and VSPL will prepare report according to the agreed reporting guidelines and the reporting and monitoring schedule below.

Reporting and Monitoring schedule:

- **April 2023:** Progress report on field trial conducted at research fields at VSPL will be prepared by VSPL send it to RVSKVV, Gwalior for compilation.
- **May 2023 :** Final progress reports including raw data and comments and audited financial report will be sent by RVSKVV, Gwalior to VSPL.

## **Data Recording**

RVSKVV, Gwalior and VSPL will collect all field data according to the guidelines and format prepared by RVSKVV, Gwalior at different crop growth stages and at the time of harvest. Gwalior University will be liable for quality and completeness of data assessment and the validation of the data.

## **Publication**

Data and results gathered under this Project will be used for publication. All research products will be considered as international public goods. Joint publications are most desirable. All partners who have contributed to the publication shall be considered as co-authors according to international standards for scientific publications. The order of co-authors will be decided jointly by the principal investigators of OCI, Dr. D.K. Shrivastava, RVSKVV, Gwalior and Mr. Avinash Karmarkar or legal representative as authorized by VSPL management. The publishing party shall provide reasonable opportunity for review (at least two weeks) to the other party before publication.

## **Germplasm exchange**

The exchange of germplasm between organic cotton grower's organisation is very important for the success of the project aiming at the improved availability of suitable non-GM cultivars for organic cotton production. FiBL and Gwalior University will follow the Code of Ethics For Plant Germplasm Exchange, which is integral part of this agreement.

### **CODE OF ETHICS FOR PLANT GERMPLASM EXCHANGE:**

- Plant variety protection and patent mechanisms focus attention on property rights afforded developers/owners of germplasm materials. The purpose of this code is to encourage the continued exchange of plant germplasm by recognizing these rights and by codifying the obligations of persons receiving unreleased plant germplasm. The partners, therefore, agree to support the following principles:
  - Owners, as well as originating breeders (owner/breeder of the parental lines or the breeder who developed the novel hybrid), stations, companies or farmer organisations have property rights to unreleased plant germplasm such as pure lines, early generation lines or populations, bulk populations, breeding stocks, or genetic stocks. These rights are not waived with the distribution of seeds or plants of any of these unreleased materials. In this context "released" materials include named cultivars or

breeding or genetic stocks described in an official statement of release.

- The owner/breeder, in distributing seeds of plant materials of unreleased plant germplasm, grants permission for their use (1) in trials under the recipient's control, and (2) as parents for making crosses for use in basic research or for selection leading to the development of cultivars. Use of unreleased germplasm for which written approval from the owner/breeder is required include: selecting from the stock; induction of mutations; insertion of recombinant DNA; production of somaclones; use in backcrosses for addition of a gene(s) controlling a specific trait; testing at outlying locations; use as parents in commercial F1 hybrids or as components in synthetic or multiline cultivars; or seed increases and release as a cultivar.
- The recipient of unreleased seeds of plant material shall make no secondary distribution of the germplasm without the permission of the owner/breeder.
- The recipient of unreleased materials shall take precautions to prevent unauthorized transfer or theft of seed of these materials from field nurseries or seed inventories.
- The owner/breeder of unreleased plant germplasm stocks may waive, in writing, any of the above restrictions or may impose additional restrictions.
- Both owner/breeder and recipient of released and unreleased germplasm will take all necessary measures to guarantee GMO-free seed and to avoid any GMO contamination during the breeding and multiplication process.
- Retention and use of the germplasm accompanying this statement indicates your agreement with the policies set forth in the statement.

#### **Ownership of germplasm/Variety/hybrids developed within the scope of the Project Organic Cotton Initiative**

- Released hybrids and varietal lines used in cultivar trials remain property of the original breeder.
- Released hybrids and varietal lines can be used for crosses to develop new cultivars.
- Unreleased breeding material can only be used with allowance of breeding institute or company (see above).
- Selection based on crosses, segregating populations or breeding lines provided by one breeder is co-owned by both breeders(Institutes).
- If any variety/hybrid/technology developed in the project may release/patented will be co-owned by both institutes.

Novel genetic materials and Intellectual Property generated during the participatory

breeding process of this Project will be owned by respective Project partners who developed this material. They may decide to register and maintain any protection of that IP, including cultivar registration or testing for truthfully labeled or other category of seed to allow commercialization of the seed of such cultivars at equal benefit.

#### **General agreement among project partners**

The project partners of Organic Cotton Initiative (OCI), i.e. RVSKVV, Gwalior and VSPL, Indore are agreed to

- Collaborate to the benefit of the Project
- Exchange information and germplasm
- Focus on non-GM desi (*G. arboreum*, *G. herbaceum*) cotton and American (*G. hirsutum*) varietal lines
- Open project to further organic cotton associations and breeders with matching funds
- Crops other than cotton may be consider for development
- Become active in fund raising to involve further universities and cotton institutes (i) to enlarge source of cotton germplasm and (ii) to include more organic associations in MP and other states to scale up the project

#### **Incompliance and termination of the agreement**

If project partner fails to perform their duties, the contract may be terminated, and the non-breaching party may be able to recover losses caused by the breach under following conditions:

- Fabrication or creation of false data, or research documentation can lead to the termination of contract.
- Falsification, which comprises the inappropriate manipulation and/or selection of data, imagery or consent.
- Plagiarism, which comprises the misappropriation or use of others' ideas, intellectual property or work (written or otherwise) without acknowledgement or permission.
- Misrepresentation of data, duplication of publication, material interests, qualifications or experience, and of involvement in research.
- Non-compliance to the specified guideline/trial protocols, cultivation of mandatory cultivars and checks, layout/design, and timely achieving milestones.

The underlying agreement can be dissolved with or without juridical intervention by one of the signing parties in only one of the following situations:

- If any party fails to imply with the agreement, due to internal or external reasons.
- When fraud or abuse of the funds is observed and ascertained.

- If and as soon as one of the parties be declared bankrupt.
- If and as soon as one of the parties be granted a moratorium in respect of his debts.

### Applicable law and Jurisdiction

The parties shall strive to settle any dispute arising in an amicable manner.

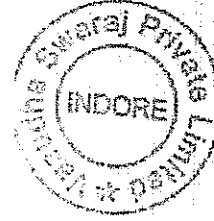
Each party has agreed as above and hereby sign

Place and Date: 4/11/2022

Place and Date: Indore \_\_\_\_\_

**DIRECTOR RESEARCH SERVICES**  
Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya  
Gwalior - 474002 - M.P. India

Signature: \_\_\_\_\_



Signature: \_\_\_\_\_

**Dr. S.K. Sharma**  
Director Research Services  
Rajmata Vijayaraje Scindia  
Krishi Vishwa Vidyalaya, Gwalior  
Race Course Road,  
Near Mela Ground, Gwalior MP

**Avinash Karmarkar**  
Vice President & Project Leader  
Vasudha Swaraj Privet Limited (VSPL),  
Indore  
701, NRK Business Park, Scheme 54,  
Vijay Nagar Circle, Indore, M P  
452010

## Annexure I

The following milestones against timeline will be followed to determine the project progress:

**Table 1: Milestones for “Organic Cotton Initiative”**

**Year 2022-23**

	<b>Milestones</b>	<b>Month</b>	<b>Responsible</b>
<b>WP 1</b>	Exchange of Germplasm, hybridization		
<b>M1.1</b>	Collection of genetic material	May 2022	RVSKVV, Gwalior and VSPL, Indore
<b>M1.2</b>	Sowing, Crossing and Picking	June 2022 to Jan 2023	RVSKVV, Gwalior and VSPL, Indore
<b>WP 2</b>	Contribution of entries in coordinated testing		
<b>M2.1</b>	Collection of seed	April 2023	RVSKVV, Gwalior and VSPL, Indore
<b>M2.2</b>	Preparation of seed packing and dispatch of Seed to PI, Plant Breeding, CICR, Coimbatore	May 2023	RVSKVV, Gwalior and VSPL, Indore
<b>WP 3</b>	DUS testing of advance line from Vasudha Swaraj Privet Ltd		
<b>M3.1</b>	Selection of advance lines (F7-F8)	May 2022	RVSKVV, Gwalior and VSPL, Indore
<b>M3.2</b>	Sowing and Observation	June 22 to Jan 23	RVSKVV, Gwalior and VSPL, Indore
<b>WP 4</b>	Testing of Advance lines(CET)		
<b>M4.1</b>	Collection of material	May 2022	RVSKVV, Gwalior and VSPL, Indore
<b>M4.2</b>	Planning and Packeting of seed for sowing	June 2022	RVSKVV, Gwalior and VSPL, Indore
<b>M4.3</b>	Sowing, observations and harvesting	June 22 to Jan 23	RVSKVV, Gwalior and VSPL, Indore
<b>WP 5</b>	Multilocation Testing (MLT)		
<b>M5.1</b>	Collection of 10-15 best lines from CEO and VSPL	May 2022	RVSKVV, Gwalior and VSPL, Indore
<b>M5.2</b>	Planning and Packeting of seed for sowing	June 2022	RVSKVV, Gwalior and VSPL, Indore
<b>M5.3</b>	Sowing, observations and harvesting	June 22 to Jan 23	RVSKVV, Gwalior and VSPL, Indore

<b>WP 6</b>	Agronomical practices for higher and quality production of organic lint genotypes is present		
<b>M6.1</b>	Planning and sowing	May- June 20 22	RVSKVV, Gwalior and VSPL, Indore
<b>M6.2</b>	Observations and harvesting	Dec 22 to Jan 23	RVSKVV, Gwalior and VSPL, Indore
<b>WP 7</b>	Off season generation advancement F1 to F2		
<b>M7.1</b>	Sowing F1 seeds	Dec 2022	RVSKVV, Gwalior and VSPL, Indore
<b>M7.2</b>	Harvesting F2 seeds	May 2023	RVSKVV, Gwalior and VSPL, Indore
<b>WP 8</b>	Off season seed multiplication		
<b>M8.1</b>	Multiplication of seeds of 3-4 advance lines for contribution in Coordinated trials/ MLTs	Dec 22 to May 23	RVSKVV, Gwalior and VSPL, Indore
<b>WP 9</b>	Off season hybridization		
<b>M9.1</b>	15 lines from CEO and VSPL will be used to develop crosses in off season	Dec 22 to June 23	RVSKVV, Gwalior and VSPL, Indore
<b>WP 10</b>	Monitoring		
<b>M10.1</b>	At least 3 Monitoring of field trials at B. M. College of Agriculture, Khandwa and field of VSPL by responsible breeder	Sep 22 to May 23	RVSKVV, Gwalior and VSPL, Indore
<b>WP 11</b>	Reporting		
<b>M11.1</b>	Annual Progress report preparation	April 2023	RVSKVV, Gwalior and VSPL, Indore
<b>M11.2</b>	Annual Group Meeting	April 2023	RVSKVV, Gwalior and VSPL, Indore
<b>M11.3</b>	Compilation and preparation of final report and submission to DRS, RVSKVV, Gwalior and VSPL.	May 2023	RVSKVV, Gwalior

#### Year 2023-24

	<b>Milestones</b>	<b>Month</b>	<b>Responsible</b>
<b>WP 1</b>	Exchange of Germplasm, hybridization		
<b>M1.1</b>	Collection of genetic material <ul style="list-style-type: none"> <li>• 9 lines from Centre of Excellence on organic cotton</li> <li>• 9 lines from Vashudha Swaraj Privet Ltd</li> </ul>	May 2023	RVSKVV, Gwalior and VSPL, Indore
<b>M1.2</b>	Sowing, Crossing and Picking	June 2023 to Jan 2024	RVSKVV, Gwalior and VSPL, Indore
<b>WP 2</b>	Handling of breeding material		
<b>M2.1</b>	F2 population	June 2023	RVSKVV, Gwalior

			and VSPL, Indore
<b>M2.2</b>	Sowing, selections and picking	June 23 to Jan 24	RVSKVV, Gwalior and VSPL, Indore
<b>WP 3</b>	Contribution of entries in coordinated testing		RVSKVV, Gwalior
<b>M3.1</b>	<ul style="list-style-type: none"> <li>• 2 for AET</li> <li>• 3 for IET</li> <li>• 2 hybrids</li> </ul>	April 2024	RVSKVV, Gwalior
<b>M3.2</b>	Preparation of seed packing and dispatch of Seed to PI, Plant Breeding, CICR, Coimbatore	May 2024	RVSKVV, Gwalior
<b>WP 4</b>	DUS testing of advance line from Vashudha Swaraj Privet Ltd and CEO, Khandwa		
<b>M4.1</b>	Selection of advance lines (F7-F8)	May 2023	RVSKVV, Gwalior and VSPL, Indore
<b>M4.2</b>	Sowing and Observation	June 23 to Jan 24	RVSKVV, Gwalior and VSPL, Indore
<b>WP 5</b>	Testing of Advance lines(CET)		
<b>M5.1</b>	Collection of material	May 2023	RVSKVV, Gwalior and VSPL, Indore
<b>M5.2</b>	Planning and Packeting of seed for sowing	June 2023	RVSKVV, Gwalior and VSPL, Indore
<b>M5.3</b>	Sowing, observations and harvesting	June 23 to Jan 24	RVSKVV, Gwalior and VSPL, Indore
<b>WP 6</b>	Multilocation Testing (MLT)		
<b>M6.1</b>	Collection of 10-15 best lines from CEO and VSPL	May 2023	RVSKVV, Gwalior and VSPL, Indore
<b>M6.2</b>	Planning and Packeting of seed for sowing	June 2023	RVSKVV, Gwalior and VSPL, Indore
<b>M6.3</b>	Sowing, observations and harvesting	June 23 to Jan 24	RVSKVV, Gwalior and VSPL, Indore
<b>WP 7</b>	Agronomical practices for higher and quality production of organic lint genotypes is present		
<b>M7.1</b>	Planning and sowing	May- June 2023	RVSKVV, Gwalior and VSPL, Indore
<b>M7.2</b>	Observations and harvesting	Dec 23 to Jan 24	RVSKVV, Gwalior and VSPL, Indore
<b>WP 8</b>	Bio input development and evaluation		
<b>M8.1</b>	<ul style="list-style-type: none"> <li>• Botanical</li> <li>• Zeevamurit</li> </ul>		
<b>M8.2</b>	Planning, sowing, observations, harvesting		
<b>WP 9</b>	Off season generation advancement F1 to F2		
<b>M9.1</b>	Sowing F1 and F3 seeds	Dec 2023	RVSKVV, Gwalior and VSPL, Indore



<b>M9.2</b>	Harvesting F2 and F4 seeds	May 2024	RVSKVV, Gwalior and VSPL, Indore
<b>WP 10</b>	Off season seed multiplication		
<b>M10.1</b>	Multiplication of seeds of 5 advance lines for contribution in Coordinated trials/ MLTs Seeds of 2 hybrids	Dec 23 to May 24	RVSKVV, Gwalior and VSPL, Indore
<b>WP 11</b>	Off season hybridization		
<b>M11.1</b>	15 lines from CEO and VSPL will be use to develop crosses in off season	Dec 23 to June 24	RVSKVV, Gwalior and VSPL, Indore
<b>WP 12</b>	Variety/Hybrid release proposal		
<b>M12.1</b>	Submission of proposal for recommendation for release of variety to University Variety Release Committee	April 24	RVSKVV, Gwalior
<b>M12.2</b>	After recommendation from University Variety Release Committee the proposal will be submitted to State Variety Release Committee;	May 24	RVSKVV, Gwalior
<b>WP 13</b>	Monitoring		
<b>M13.1</b>	At least 3 Monitoring of field trials at B. M. College of Agriculture, Khandwa and field of VSPL by responsible breeder	Sep 23 to May 24	RVSKVV, Gwalior and VSPL, Indore
<b>WP 14</b>	Reporting		
<b>M14.1</b>	Annual Progress report preparation	April 2024	RVSKVV, Gwalior and VSPL, Indore
<b>M14.2</b>	Annual Group Meeting	April 2024	RVSKVV, Gwalior and VSPL, Indore
<b>M14.3</b>	Compilation and preparation of final report and submission to DRS, RVSKVV, Gwalior and VSPL.	May 2024	RVSKVV, Gwalior

**Year 2024-25**

	<b>Milestones</b>	<b>Month</b>	<b>Responsible</b>
<b>WP 1</b>	Exchange of Germplasm, hybridization		
<b>M1.1</b>	Collection of genetic material <ul style="list-style-type: none"> <li>• 12 lines from Centre of Excellence on organic cotton</li> <li>• 12 lines from Vashudha Swaraj Privet Ltd</li> </ul>	May 2024	RVSKVV, Gwalior and VSPL, Indore
<b>M1.2</b>	Sowing, Crossing and Picking	June 2024 to Jan 2025	RVSKVV, Gwalior and VSPL, Indore
<b>WP 2</b>	Handling of breeding material		
<b>M2.1</b>	F2 population F1 to F2 F4-F5	June 2024	RVSKVV, Gwalior and VSPL, Indore

<b>M2.2</b>	Sowing, selections and picking	June 24 to Jan 25	RVSKVV, Gwalior and VSPL, Indore
<b>WP 3</b>	Contribution of entries in coordinated testing		RVSKVV, Gwalior
<b>M3.1</b>	<ul style="list-style-type: none"> <li>• 3 for AET</li> <li>• 3 for IET</li> <li>• 3 hybrids</li> </ul>	April 2025	RVSKVV, Gwalior
<b>M3.2</b>	Preparation of seed packing and dispatch of Seed to PI, Plant Breeding, CICR, Coimbatore	May 2025	RVSKVV, Gwalior
<b>WP 4</b>	DUS testing of advance line from Vashudha Swaraj Privet Ltd and CEO, Khandwa		
<b>M4.1</b>	Selection of advance lines (F7-F8)	May 2024	RVSKVV, Gwalior and VSPL, Indore
<b>M4.2</b>	Sowing and Observation	June 24 to Jan 25	RVSKVV, Gwalior and VSPL, Indore
<b>WP 5</b>	Testing of Advance lines(CET)		
<b>M5.1</b>	Collection of material <ul style="list-style-type: none"> <li>• Lines from Vashudha Swaraj Privet Ltd (VSPL)</li> <li>• Lines from CEO and VSPL</li> <li>• Hybrids from CEO and VSPL</li> </ul>	May 2024	RVSKVV, Gwalior and VSPL, Indore
<b>M5.2</b>	Planning and Packeting of seed for sowing	June 2024	RVSKVV, Gwalior and VSPL, Indore
<b>M5.3</b>	Sowing, observations and harvesting	June 24 to Jan 25	RVSKVV, Gwalior and VSPL, Indore
<b>WP 6</b>	Multilocation Testing (MLT)		
<b>M6.1</b>	<ul style="list-style-type: none"> <li>• 20 best lines and 3 hybrids from CEO and VSPL</li> <li>• Khargone, Khandwa, Dhar, Jhabua, Badwani, Chhindwada</li> </ul>	May 2024	RVSKVV, Gwalior and VSPL, Indore
<b>M6.2</b>	Planning and Packeting of seed for sowing	June 2024	RVSKVV, Gwalior and VSPL, Indore
<b>M6.3</b>	Sowing, observations and harvesting	June 24 to Jan 25	RVSKVV, Gwalior and VSPL, Indore
<b>WP 7</b>	Agronomical practices for higher and quality production of organic lint <ul style="list-style-type: none"> <li>• Evaluation of application methods, quantity and time of specific botanical</li> <li>• Study of bacterial activity in soil after application of bioinoculants.</li> </ul>		
<b>M7.1</b>	Planning and sowing	May- June 2024	RVSKVV, Gwalior and VSPL, Indore
<b>M7.2</b>	Observations and harvesting	Dec 24 to Jan 25	RVSKVV, Gwalior and VSPL, Indore

<b>WP 8</b>	Bio input development and evaluation		
<b>M8.1</b>	<ul style="list-style-type: none"> <li>• Botanical</li> <li>• Zeevamurit</li> </ul>	April 24	RVSKVV, Gwalior and VSPL, Indore
<b>M8.2</b>	Planning, sowing, observations, harvesting	June 24 to Jan 25	RVSKVV, Gwalior and VSPL, Indore
<b>WP 9</b>	Off season generation advancement F1 to F2		
<b>M9.1</b>	Sowing <ul style="list-style-type: none"> <li>• F2 population</li> <li>• F1 to F2</li> <li>• F3-F4</li> <li>• F5-F6</li> </ul>	Dec 2024	RVSKVV, Gwalior and VSPL, Indore
<b>M9.2</b>	Harvesting of seeds	May 2025	RVSKVV, Gwalior and VSPL, Indore
<b>WP 10</b>	Off season seed multiplication		
<b>M10.1</b>	Multiplication of seeds of 6 advance lines for contribution in Coordinated trials/ MLTs Seeds of 3 hybrids	Dec 24 to May 25	RVSKVV, Gwalior and VSPL, Indore
<b>WP 11</b>	Off season hybridization		
<b>M11.1</b>	10 lines from CEO and VSPL will be used to develop crosses in off season	Dec 24 to June 25	RVSKVV, Gwalior and VSPL, Indore
<b>WP 12</b>	Variety/Hybrid release proposal		
<b>M12.1</b>	Submission of proposal for recommendation for release of variety to University Variety Release Committee	April 25	RVSKVV, Gwalior
<b>M12.2</b>	After recommendation from University Variety Release Committee the proposal will be submitted to State Variety Release Committee;	May 25	RVSKVV, Gwalior
<b>WP 13</b>	Monitoring		
<b>M13.1</b>	At least 3 Monitoring of field trials at B. M. College of Agriculture, Khandwa and field of VSPL by responsible breeder	Sep 24 to May 25	RVSKVV, Gwalior and VSPL, Indore
<b>WP 14</b>	Reporting		
<b>M14.1</b>	Annual Progress report preparation	April 2025	RVSKVV, Gwalior and VSPL, Indore
<b>M14.2</b>	Annual Group Meeting	April 2025	RVSKVV, Gwalior and VSPL, Indore
<b>M14.3</b>	Compilation and preparation of final report and submission to DRS, RVSKVV, Gwalior and VSPL.	May 2025	RVSKVV, Gwalior

Year 2025- 26

	Milestones	Month	Responsible
<b>WP 1</b>	Exchange of Germplasm, hybridization		
<b>M1.1</b>	Collection of genetic material <ul style="list-style-type: none"> <li>• 15 lines from Centre of Excellence on organic cotton</li> <li>• 15 lines from Vashudha Swaraj Privet Ltd</li> </ul>	May 2026	RVSKVV, Gwalior and VSPL, Indore
<b>M1.2</b>	Sowing, Crossing and Picking	June 2026 to Jan 2027	RVSKVV, Gwalior and VSPL, Indore
<b>WP 2</b>	Handling of breeding material		
<b>M2.1</b>	F2 population F1 to F2 F4-F5 F5-F6 F6-F7	June 2026	RVSKVV, Gwalior and VSPL, Indore
<b>M2.2</b>	Sowing, selections and picking	June 26 to Jan 27	RVSKVV, Gwalior and VSPL, Indore
<b>WP 3</b>	Contribution of entries in coordinated testing		RVSKVV, Gwalior
<b>M3.1</b>	<ul style="list-style-type: none"> <li>• 3 for AET</li> <li>• 3 for IET</li> <li>• 3 hybrids</li> </ul>	April 2027	RVSKVV, Gwalior
<b>M3.2</b>	Preparation of seed packing and dispatch of Seed to PI, Plant Breeding, CICR, Coimbatore	May 2027	RVSKVV, Gwalior
<b>WP 4</b>	DUS testing of advance line from Vashudha Swaraj Privet Ltd and CEO, Khandwa		
<b>M4.1</b>	Selection of advance lines (F7-F8)	May 2026	RVSKVV, Gwalior and VSPL, Indore
<b>M4.2</b>	Sowing and Observation	June 26 to Jan 27	RVSKVV, Gwalior and VSPL, Indore
<b>WP 5</b>	Testing of Advance lines(CET)		
<b>M5.1</b>	Collection of material <ul style="list-style-type: none"> <li>• Lines from Vashudha Swaraj Privet Ltd (VSPL)</li> <li>• Lines from CEO and VSPL</li> <li>• Hybrids from CEO and VSPL</li> </ul>	May 2026	RVSKVV, Gwalior and VSPL, Indore
<b>M5.2</b>	Planning and Packeting of seed for sowing	June 2026	RVSKVV, Gwalior and VSPL, Indore
<b>M5.3</b>	Sowing, observations and harvesting	June 26 to Jan 27	RVSKVV, Gwalior and VSPL, Indore
<b>WP 6</b>	Multilocation Testing (MLT)		
<b>M6.1</b>	<ul style="list-style-type: none"> <li>• 20 best lines and 3 hybrids from CEO and VSPL</li> </ul>	May 2026	RVSKVV, Gwalior and VSPL, Indore

	<ul style="list-style-type: none"> <li>• Khargone, Khandwa, Dhar, Jhabua, Badwani, Chhindwada</li> </ul>		
<b>M6.2</b>	Planning and Packeting of seed for sowing	June 2026	RVSKVV, Gwalior and VSPL, Indore
<b>M6.3</b>	Sowing, observations and harvesting	June 26 to Jan 27	RVSKVV, Gwalior and VSPL, Indore
<b>WP 7</b>	<p>Agronomical practices for higher and quality production of organic lint</p> <ul style="list-style-type: none"> <li>• Evaluation of application methods, quantity and time of specific botanical</li> <li>• Study of bacterial activity in soil after application of bioinoculants.</li> </ul>		
<b>M7.1</b>	Planning and sowing	May- June 2026	RVSKVV, Gwalior and VSPL, Indore
<b>M7.2</b>	Observations and harvesting	Dec 26 to Jan 27	RVSKVV, Gwalior and VSPL, Indore
<b>WP 8</b>	Bio input development and evaluation		
<b>M8.1</b>	<ul style="list-style-type: none"> <li>• Botanical</li> <li>• Zeevamurit</li> </ul>	April 26	RVSKVV, Gwalior and VSPL, Indore
<b>M8.2</b>	Planning, sowing, observations, harvesting	June 26 to Jan 27	RVSKVV, Gwalior and VSPL, Indore
<b>WP 9</b>	Off season generation advancement F1 to F2		
<b>M9.1</b>	<p>Sowing</p> <ul style="list-style-type: none"> <li>• F2 population</li> <li>• F1 to F2</li> <li>• F3-F4</li> <li>• F5-F6</li> <li>• F6-F7</li> <li>• F7-F8</li> </ul>	Dec 2026	RVSKVV, Gwalior and VSPL, Indore
<b>M9.2</b>	Harvesting of seeds	May 2027	RVSKVV, Gwalior and VSPL, Indore
<b>WP 10</b>	Off season seed multiplication		
<b>M10.1</b>	<p>Multiplication of seeds of 6 advance lines for contribution in Coordinated trials/ MLTs</p> <p>Seeds of 3 hybrids</p>	Dec 26 to May 27	RVSKVV, Gwalior and VSPL, Indore
<b>WP 11</b>	Off season hybridization		
<b>M11.1</b>	14 lines from CEO and VSPL will be used to develop crosses in off season	Dec 26 to June 27	RVSKVV, Gwalior and VSPL, Indore
<b>WP 12</b>	Variety/Hybrid release proposal		

<b>M12.1</b>	Submission of proposal for recommendation for release of variety to University Variety Release Committee	April 27	RVSKVV, Gwalior
<b>M12.2</b>	After recommendation from University Variety Release Committee the proposal will be submitted to State Variety Release Committee;	May 27	RVSKVV, Gwalior
<b>WP 13</b>	Monitoring		
<b>M13.1</b>	At least 3 Monitoring of field trials at B. M. College of Agriculture, Khandwa and field of VSPL by responsible breeder	Sep 25 to May 27	RVSKVV, Gwalior and VSPL, Indore
<b>WP 14</b>	Reporting		
<b>M14.1</b>	Annual Progress report preparation	April 2027	RVSKVV, Gwalior and VSPL, Indore
<b>M14.2</b>	Annual Group Meeting	April 2027	RVSKVV, Gwalior and VSPL, Indore
<b>M14.3</b>	Compilation and preparation of final report and submission to DRS, RVSKVV, Gwalior and VSPL.	May 2027	RVSKVV, Gwalior

#### Year 2026-27

	<b>Milestones</b>	<b>Month</b>	<b>Responsible</b>
<b>WP 1</b>	Exchange of Germplasm, hybridization		
<b>M1.1</b>	Collection of genetic material <ul style="list-style-type: none"> <li>• 10 lines from Centre of Excellence on organic cotton</li> <li>• 10 lines from Vashudha Swaraj Privet Ltd</li> </ul>	May 2026	RVSKVV, Gwalior and VSPL, Indore
<b>M1.2</b>	Sowing, Crossing and Picking	June 2026 to Jan 2027	RVSKVV, Gwalior and VSPL, Indore
<b>WP 2</b>	Handling of breeding material		
<b>M2.1</b>	<ul style="list-style-type: none"> <li>• F2 population</li> <li>• F1 to F2</li> <li>• F4-F5</li> <li>• F5-F6</li> <li>• F6-F7</li> <li>• F7-F8</li> <li>• F8-F9</li> </ul>	June 2026	RVSKVV, Gwalior and VSPL, Indore
<b>M2.2</b>	Sowing, selections and picking	June 26 to Jan 27	RVSKVV, Gwalior and VSPL, Indore
<b>WP 3</b>	Contribution of entries in coordinated testing		RVSKVV, Gwalior
<b>M3.1</b>	<ul style="list-style-type: none"> <li>• 3 for AET</li> <li>• 3 for IET</li> <li>• 3 hybrids</li> </ul>	April 2027	RVSKVV, Gwalior

<b>M3.2</b>	Preparation of seed packing and dispatch of Seed to PI, Plant Breeding, CICR, Coimbatore	May 2027	RVSKVV, Gwalior
<b>WP 4</b>	DUS testing of advance line from Vashudha Swaraj Privet Ltd and CEO, Khandwa		
<b>M4.1</b>	Selection of advance lines (F7-F8)	May 2026	RVSKVV, Gwalior and VSPL, Indore
<b>M4.2</b>	Sowing and Observation	June 26 to Jan 27	RVSKVV, Gwalior and VSPL, Indore
<b>WP 5</b>	Testing of Advance lines(CET)		
<b>M5.1</b>	Collection of material <ul style="list-style-type: none"> <li>• Lines from Vashudha Swaraj Privet Ltd (VSPL)</li> <li>• Lines from CEO and VSPL</li> <li>• Hybrids from CEO and VSP</li> </ul>	May 2026	RVSKVV, Gwalior and VSPL, Indore
<b>M5.2</b>	Planning and Packeting of seed for sowing	June 2026	RVSKVV, Gwalior and VSPL, Indore
<b>M5.3</b>	Sowing, observations and harvesting	June 26 to Jan 27	RVSKVV, Gwalior and VSPL, Indore
<b>WP 6</b>	Multilocation Testing (MLT)		
<b>M6.1</b>	<ul style="list-style-type: none"> <li>• 20 best lines and 3 hybrids from CEO and VSPL</li> <li>• Khargone, Khandwa, Dhar, Jhabua, Badwani, Chhindwada</li> </ul>	May 2026	RVSKVV, Gwalior and VSPL, Indore
<b>M6.2</b>	Planning and Packeting of seed for sowing	June 2026	RVSKVV, Gwalior and VSPL, Indore
<b>M6.3</b>	Sowing, observations and harvesting	June 26 to Jan 27	RVSKVV, Gwalior and VSPL, Indore
<b>WP 7</b>	<p>Agronomical practices for higher and quality production of organic lint</p> <ul style="list-style-type: none"> <li>• Evaluation of application methods, quantity and time of specific botanical</li> <li>• Study of bacterial activity in soil after application of bioinoculants.</li> </ul>		
<b>M7.1</b>	Planning and sowing	May- June 2026	RVSKVV, Gwalior and VSPL, Indore
<b>M7.2</b>	Observations and harvesting	Dec 26 to Jan 27	RVSKVV, Gwalior and VSPL, Indore
<b>WP 8</b>	Bio input development and evaluation		
<b>M8.1</b>	<ul style="list-style-type: none"> <li>• Botanical</li> <li>• Zeevamurit</li> </ul>	April 26	RVSKVV, Gwalior and VSPL, Indore
<b>M8.2</b>	Planning, sowing, observations, harvesting	June 26 to Jan 27	RVSKVV, Gwalior and VSPL, Indore

<b>WP 9</b>	Off season generation advancement F1 to F2		
<b>M9.1</b>	Sowing <ul style="list-style-type: none"> <li>• F2 population</li> <li>• F1 to F2</li> <li>• F3-F4</li> <li>• F5-F6</li> <li>• F6-F7</li> <li>• F7-F8</li> </ul>	Dec 2026	RVSKVV, Gwalior and VSPL, Indore
<b>M9.2</b>	Harvesting of seeds	May 2027	RVSKVV, Gwalior and VSPL, Indore
<b>WP 10</b>	Off season seed multiplication		
<b>M10.1</b>	Multiplication of seeds of 6 advance lines for contribution in Coordinated trials/ MLTs Seeds of 3 hybrids	Dec 26 to May 27	RVSKVV, Gwalior and VSPL, Indore
<b>WP 11</b>	Off season hybridization		
<b>M11.1</b>	10 lines from CEO and VSPL will be used to develop crosses in off season	Dec 26 to June 27	RVSKVV, Gwalior and VSPL, Indore
<b>WP 12</b>	Variety/Hybrid release proposal		
<b>M12.1</b>	Submission of proposal for recommendation for release of variety to University Variety Release Committee	April 27	RVSKVV, Gwalior
<b>M12.2</b>	After recommendation from University Variety Release Committee the proposal will be submitted to State Variety Release Committee;	May 27	RVSKVV, Gwalior
<b>WP 13</b>	Monitoring		
<b>M13.1</b>	At least 3 Monitoring of field trials at B. M. College of Agriculture, Khandwa and field of VSPL by responsible breeder	Sep 26 to May 27	RVSKVV, Gwalior and VSPL, Indore
<b>WP 14</b>	Reporting		
<b>M14.1</b>	Annual Progress report preparation	April 2027	RVSKVV, Gwalior and VSPL, Indore
<b>M14.2</b>	Annual Group Meeting	April 2027	RVSKVV, Gwalior and VSPL, Indore
<b>M14.3</b>	Compilation and preparation of final report and submission to DRS, RVSKVV, Gwalior and VSPL.	May 2027	RVSKVV, Gwalior



Annexure II

Table 2: Budget and Financial Plan for Organic Cotton Initiative: 2022-2027

Budget Head/Year	2022-23 (Rs in lakhs)	2023-24 (Rs in lakhs)	2024-25 (Rs in lakhs)	2025-26 (Rs in lakhs)	2026-27 (Rs in lakhs)
Contingency	4.0	4.0	5.0	5.0	5.0
Manpower	4.0	4.0	4.6	4.6	4.6
Others	2.0	2.0	2.0	2.0	2.0
<b>Total</b>	<b>10.0</b>	<b>10.0</b>	<b>11.6</b>	<b>11.6</b>	<b>11.6</b>

Table 3: Budget and Financial Plan for Organic Cotton Initiative for the year 2022-23

Budget Head/Year	Year 2022-23 (Rs in lakhs)
Contingency	4.0
Manpower	4.0
Others	2.0
<b>Total</b>	<b>10.0</b>

**Please Note:**

\*Allocated budget will come into 2 installments (50% after signing MoU and 50% up to Jan 23)

\*\*Total budget allocation is segregated for Contingency, Manpower and Other (Annexure II)

\*\*\*\*Project partners are responsible to submit financial reporting and financial audits against these main budget lines to VSPL.

Each party has agreed as above and hereby sign

For, Rajmata Vijayaraje Scindia Krishi Vishwavidyalaya (RVSKVV)

Place and Date: \_\_\_\_\_

Signature: 

Dr. Sanjay Sharma

Director Research Services

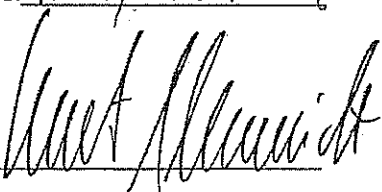
Rajmata Vijayaraje Scindia Krishi Vishwavidyalaya For Agricultural University  
Race Course Road, Near Mela Grounds  
Gwalior, Madhya Pradesh 474 002, INDIA

**DIRECTOR RESEARCH SERVICES**  
Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya  
Gwalior - 474002 - M.P. India

AND;

For, Research Institute of Organic Agriculture (FiBL)

Place and Date:   
Frick, 29.09.2027

Signature: 

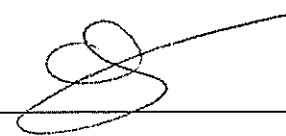
Dr. Knut Schmidtke

Director of Research, Extension & Innovation

Research Institute of Organic Agriculture (FiBL)

Ackerstrasse 113

CH-5070 Frick, Switzerland

Place and Date:   
Frick, 26.9.27

Signature: 

Ms. Beate Huber

Director of Corporate Culture

Research Institute of Organic Agriculture (FiBL)

Ackerstrasse 113

CH-5070 Frick, Switzerland

## Annex I

### \*Specific tasks and responsibilities of Gwalior University (RVSKVV) for SGF 2022-2023

- 10 crosses of Desi and American Cultivars
- Total of 1 On-station trial with at least 15 or more cultivars tested to be free of GMO and fiber length (>28mm); at least 5 *G. arboreum* lines and 5 *G. hirsutum* lines at one site with with most prevalent growing conditions (black soil, sandy soil, irrigation, rainfed) tested in two (2) replications with detailed assessment of agronomic and fiber parameters.
- At least 10 F1 hybrids / crosses forwarded to obtain at least 200 F2 seed per population.
- At least 10 F2populations forwarded to F3generations.
- At least 10 F3populations forwarded to F4generations.
- At least 10 F4populations forwarded to F5generations.
- At least 10 populations of advanced generations (F5-F8) selected under organic conditions (seed of at least 10 selected plants out of minimum 200 plants per population from own breeding material or obtained from other partners).
- Seed multiplication of 5 promising cotton cultivars.
- At least 1 workshop/training for small scale farmers in (i) varietal evaluation, (ii) individual plant selection, (iii) crossings = hybrid seed preparation.
- At least 1 poster project phase outcome.

### SGF Phase II Key Deliverables:

- Data submission by **07 February 2023**
- Detailed Phase II report including extension year SGF (2018-2023) by **15 March 2023**
- Audit reports for the season (2022-23) and phase by **15 April 2023**

*Please note, the second instalment of the project season 2022-2023 will be released only after the successful submission of project/phase deliverables within the defined timelines*

Both partners will be responsible for networking and promoting the project.

*\*All the above mentioned tasks and responsibilities are minimum requirements to be fulfilled for SGF 2022-2023. However, partners are encouraged to carry out more no of trials, to avoid failure due to any unforeseen circumstances through the season.*



**Memorandum of Understanding (MoU)**  
**between**  
**ICAR-Central Agroforestry Research Institute, Jhansi**  
**&**  
**Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior**

This Memorandum of Understanding (MoU) is entered between “**Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya,**” having its Campus at **Gwalior, Madhya Pradesh** and its constituent colleges hereinafter called as “**RVSKVV**” and **ICAR-Central Agroforestry Research Institute, Jhansi (Uttar Pradesh)** hereinafter referred to as “**CAFRI**”. Both RVSKVV and CAFRI are independently referred to as “**Party**” and collectively as “**Parties**”.

The parties have agreed to engage in a broad spectrum of joint activities in the field of Agroforestry and Natural Resource based Sustainable Livelihood Promotion, in the Bundelkhand region of India. This MoU shall be treated as platform on which both parties agree to work together in future. The terms and condition of this collaboration are as follows.

**1. BACKGROUND**

**Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior (Madhya Pradesh)**

The Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya (RVSKVV), Gwalior has been established by Govt. of Madhya Pradesh vide ordinance No. 4 of 2008 notified in the Extraordinary Gazette No. 507 dated 19th August, 2008. As per RVSKVV act (No. 4, Year 2009), the territorial jurisdiction of the Vishwa Vidyalaya is spread over 26 districts of Madhya Pradesh encompassing five Colleges (four Agriculture, and one Horticulture); five Zonal Agricultural Research Stations (ZARS), four Regional Agricultural Research Stations (RARS); six Special Research Station (SRS) and 22 Krishi Vigyan Kendras (KVKs) and 27 All India Coordinated Research Projects.

**Central Agroforestry Research Institute, Jhansi (Uttar Pradesh)**

ICAR-Central Agroforestry Research Institute (ICAR-CAFRI), formerly the National Research Centre on Agroforestry, is a multidisciplinary premier research institute of Indian Council of Agricultural Research (ICAR) located at Gwalior Road, Jhansi, Uttar Pradesh. The Institute was established in 1988 with a mission to improve quality of life of rural people through integration of perennials on agriculture landscape for economic, environmental and social benefits. The Institute works with a vision of “Integration of woody perennials in the farming system to improve land productivity through conservation of soils, nutrients and biodiversity to augment natural resource conservation, restoration of ecological balance, alleviation of poverty and to mitigate risks of weather vagaries”. The Institute is mandated to develop sustainable agroforestry practices for farms, marginal land and wastelands in different agroclimatic zones of India; Coordinate network research for identifying agroforestry technologies for inter-region;

Training in agroforestry research for ecosystem analysis and Transfer of agroforestry technology in various agroclimatic zones. CAFRI has developed robust agroforestry models and package of practices for different agro-climatic conditions covering small and marginal farmers.

## **2. PURPOSE & SCOPE OF COLLABORATION**

The potential areas of collaboration include research, education, extension, training, capacity building, experience sharing and knowledge management, in the domain of Agroforestry and Natural Resource based Sustainable Livelihood Promotion & Ecosystem Health Management. The specific areas for joint activities will be decided in due course of time.

## **3. Implementation**

To implement this Memorandum, the following is mutually understood and agreed:

- Two nominees from each institution will constitute a Joint Coordination Committee to oversee collaboration between two parties.
- Each institution will nominate one of its expert members as its representative in charge of any cooperative program on each identified thematic area.
- Proposals for collaborative research work under this Memorandum will be submitted through the normal procedures of each institution.
- Individual projects/programs of research work developed under this memorandum and/ or capacity building programs will be subject of individual agreements in writing clearly spell out commitments and liabilities of both the parties and where appropriate will be jointly developed and executed by the nominees of both the parties.
- Each party will ensure appropriate protection of Intellectual Property Rights generated from cooperative pursuant to MoU, consistent with laws, rules and regulations of India.
- Progress of work of any individual collaborative research project/programme will be reviewed and approved by designated project officers of both parties, in accordance with its individual agreement.
- The final approval of any collaborative research project/programme will depend on the availability of the guaranteed support funds.
- Neither Central Agroforestry Research Institute, Jhansi nor Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior will be held responsible for any liability, and neither party shall be required to purchase any insurance against loss or damage to any personal/ institutional property to which this Memorandum relates.
- Research instrumentation facility and library facilities available with the first party and second party will be made available to the scientist, faculties and research scholars. However, the costs of specific consumable or running cost of machines will be borne by the respective organizations that will be using the facilities of the other party as per the guidelines of the institute where facilities are utilized.
- The use of scientific equipment's by either of parties will be allowed by either side on the realization of charges in vogue. However, owing to signing of this MoU there will not be any financial implications on the part of either party.

- Both the parties will support the project work and dissertation work of Students in terms of providing infrastructural and practical facilities as per guidelines of the party where facilities are utilized.
- There shall be an exchange of scientists, faculty and students for academic research and training purposes. Wherever possible as per extent fee.
- Both parties understand that all financial agreement will have to be negotiated separately and will depend on availability of funds.

#### 4. OUTLINES OF THE COLLABORATION

This document is not intended to create legal or binding obligations on either party. It serves only as a record of the parties' current intentions. This will be a sustaining program and will help sourcing funds for collaborate research/academic programs from external agencies. We also plan to work on a joint online degree program in Agroforestry and other allied disciplines, which could be an avenue for further cooperation between RVSKVV & its constituent colleges and CAFRI.

Under the aegis of this agreement, RVSKVV & its constituent colleges and CAFRI shall jointly explore the possibilities of working mainly in the Central India. The major focus of this collaboration shall be on:

- Developing joint curricula for mutually identified programs;
- Guiding students for M.Sc. & Ph.D. research with CAFRI as an extended campus of RVSKVV & its constituent colleges;
- Joint research, extension and capacity building of General, SC & ST population in agroforestry and dryland farming including forest farm interface;
- Promoting agroforestry models and extension modules suitable for the Bundelkhand and Central Indian region through establishment and demonstration of successful tree-based farming solutions;
- Each institution will encourage the exchange of faculty/scientists for joint teaching and research programs on agroforestry and climate change mitigation and adaptation, and collaborative professional training program on agroforestry and allied aspects including distance education programs in agroforestry;
- Faculty/Scientists from each institution will collaborate in developing proposals for external funding as appropriate;
- Both CAFRI and RVSKVV agrees to include scientists/faculties as major Advisor/Co-Advisor/member of the Advisory Committee of PG and Ph. D. students of RVSKVV.
- Both CAFRI and RVSKVV agrees to exchange planting material/germplasm for testing and evaluation at respective locations.
- Any expenses incurred by each institution under this agreement will be the sole responsibility of the institutions concerned.

##### 4.1 Academic and Research Collaboration:

In pursuant of the agreement, academic and research collaborations shall be initiated between

both institutions/parties. Academic collaboration shall involve, faculty members/scientists visiting their counterpart institution for short term (1-3 months) teaching assignments, evaluation and curriculum development. The eligible faculty members may also be a part of the dissertation/thesis supervision along with the host institution faculty members.

Research collaboration shall involve, visits of faculty members/scientists to each other's institution, and write collaborative research projects for funding and be a part of in-house research funded projects. Research collaboration shall involve being a part of the publication authorship group, keeping the intellectual property rights intact.

4.2 Exchange of academic information, data generation and dissemination, and scholarly publications:

In pursuant of the agreement, exchange of academic information, data regeneration and dissemination and scholarly publications shall be the privilege of both parties/institutions involved. The data generation could be from primary or secondary source. The samples to be collected from field areas shall be shared as per convenience and the Government protocols. Secondary data source and sharing shall also need to have clearances of the Government procedures. The publications and authorship shall be discussed among the research groups exclusively and the institute shall not be involved on this matter. Dissemination of information to print/visual media shall be as per the Government protocols.

## **5. Performance Standards**

The Parties shall perform their respective roles and responsibilities under this MoU with highest standards of professional and ethical competence and integrity.

## **6. Publication & Intellectual Property Rights**

If the research is conducted and completed in India with the help of Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior (RVSKVV) members in the team, the intellectual property will be protected in India with RVSKVV & its constituent colleges as a co applicant. ICAR-CAFRI will have rights to commercialize technology.

- (i) If the research is conducted and completed in India with the help of ICAR-CAFRI members in the team, the intellectual property will be protected in India with ICAR-CAFRI as a co-applicant. RVSKVV & its constituent colleges will have rights to commercialize the technology.
- (ii) In case application is to be made for international protection, then both ICAR-CAFRI and RVSKVV & its constituent colleges will apply as co-applicants for the protection of intellectual property rights subject to exclusive rights of both the Parties to commercialize the technology in their respective countries. Commercialization in any other country shall be done jointly through a separate agreement.
- (iii) In case research is carried out solely and separately by the Party or the research results are obtained through the sole and separate effort of the Party, the Party concerned

alone will apply for grant of IPR and once granted, the IPR will be solely owned by the concerned Party.

- (iv) In case of research results obtained through joint activities, the grant of intellectual property rights will be sought by both the Parties jointly and once granted these rights will jointly owned by the Parties.
- (v) Any Publication, document and/or paper arising out of joint work conducted by the participants pursuant to this MoU will be jointly owned. The use of the name, logo and/or official emblem of the participants on any publication, document and/or paper will require prior permission of both the participants. It may however be ensured that the official emblem and logo is not misused.
- (vi) Both parties agree to ensure appropriate protection of intellectual Property Rights generated from such cooperation consistent with their respective laws, rules and regulations and other international agreements to which both parties are signatories.

## **7. Disclosure of Information**

ICAR-CAFRI and RVSKVV & its constituent colleges agree that except for a Court Order requiring disclosure, neither shall disclose to any third party without the written consent of the other, any information made available to the Parties, in the performance of work and/or generated by the performance of work, under this Agreement, except information which at the date hereof was;

(i) In the public domain

(ii) Known to either prior to the date hereof as evidenced by written documents subsequently.

The provisions in this Article shall survive termination or completion of the Memorandum of Understanding.

## **8. Amendments**

The Parties of this MoU may, by mutual consent, add, modify, amend or delete any words, phrases, sentences or Articles in this MoU.

## **9. Validity of the MOU**

This Memorandum of Understanding will become effective on the final date of signing and will have a duration of five years. However, it can be extended by mutual agreement. Any cessation of the MoU by either party shall be notified in writing to the other Party at least six months in advance.

## **10. Arbitration**

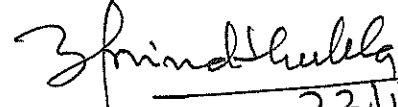
Dispute arising out of this MoU, if any, shall be amicably settled jointly by Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior and the Central Agroforestry Research Institute, Jhansi, Uttar Pradesh.



IN WITNESS WHEREOF, the Parties hereby execute the MoU in two original copies in English language on the 22<sup>nd</sup> of December, 2022


  
(Dr. AYYANADAR ARUNACHALAM)  
Designation: Director


FOR AND ON BEHALF OF THE ICAR-  
CENTRAL AGROFORESTRY RESEARCH INSTITUTE

  
(Dr. Arvind Kumar Shukla)  
Designation: Vice Chancellor  
22/12/22


FOR AND ON BEHALF OF THE RAJMATA  
VIJAYARAJE SCINDIA KRISHI VISHWA  
VIDYALAYA, GWALIOR


Witnesses:

  
1. Dr. A.K. Handa, Principal Scientist, CAFRI

  
2. Dr. R.P. Dwivedi, Principal Scientist, CAFRI

Witnesses:

  
1. Dr. D. H. Ranade, DFA, RVSKVV Gwalior

  
2. Dr. Sanjay Sharma, DRS, RVSKVV Gwalior

# Memorandum of Understanding

Between



**Agribusiness and Smart Village Incubation Centre,  
ABV-IITM, Gwalior**

&



**CAE**

**CENTRE FOR AGRIBUSINESS INCUBATION  
AND ENTREPRENEURSHIP, RVSKVV,  
GWALIOR  
(Supported by NABARD)**

*Signature*

*Signature*

This MoU is made on this ....07....th day of..Sept.. month..2022 year  
By and between

Agribusiness and Smart Village Incubation center (TBI Centre), ABV-IIITM, Gwalior, to be registered as Company under Section 08 Company, having its office at the D-Block First Floor, ABV-IIITM, Gwalior.

And

**CENTRE FOR AGRIBUSINESS INCUBATION AND ENTREPRENEURSHIP,  
RVSKVV, GWALIOR**, referred as CAIE Having its office at

#### **Intent & Objective of the MOU**

The intent of this Memorandum of Understanding (MOU) between the TBI, ABV-IIITM, Gwalior & "CAIE" is to outline the way in which the two parties will collaborate to strengthen the start-up ecosystem

**The MoU between the two parties will intent the attachment of the following objective:**

- To boost the entrepreneurial activity among society
- To create an enabling environment for fostering the Start-up activities.
- To develop university-entrepreneur-industry linkages
- To provide platform to entrepreneurs/ industries for Research and Development in process/ product development to improve the quality of their product.
- To provide infrastructure and technical expertise to entrepreneurs in different areas of agriculture and allied disciplines along with assistance in commercialization.
- To incubate start-ups companies in establishing business through business consultancy, trainings, business advisory services and handholding to a level of stability and success.
- Technology Commercialization: to provide a platform for speedy commercialization of technologies developed in the host institution or any academic and R&D institution of the country.
- Interfacing and Networking: to provide networking between academia, industry and financial institution
- To provides co-incubation service to mutual/common incubatees

**The initial scope of this alliance will cover activities related to, but not limited to, the areas outlined below.**

- Startup Incubation
- Technical and Functional support
- Training Programs
- Workshop and sensitization Programs
- IPR and Technology Transfer
- Consultancy Projects

## **Terms of Partnership**

### **TBI, ABV-IITM, Gwalior shall:**

- Provide the technical or domain support to develop the startup ecosystem
- TBI, Gwalior will also provide the funding support to the recommended startups
- Leverage its Logo with the Incubator for events, workshops, boot camps, hackathons & pitching events etc. organized by the incubator.
- Participate in the events as knowledge sharing partner for Government support for Startups / Entrepreneurs/ Incubators via its schemes & policies
- Help in reaching out to the other start-ups via its network by sending emails to our registered Start-ups/ Incubators and collaborating with GoI, Startup India, Invest India and other national and international agencies / organizations working for fostering the start-ups.
- Display the icon, website link, name & details of the Incubator on its website.

### **CAIE, RVSKVV, Gwalior shall:**

- Functional or domain support to develop the startup ecosystem.
- Provide Agro-Technical manpower based on requirement
- Provide Agro Specific mentor
- Training on Agro Specific course.
- Recommend the Agro Field Startup for technical and/or funding support
- Technical support in Agro based product procurement as per the norms
- Organization of conference/seminars as per mutual interest/benefit
- Internship/training in Agriculture field

### **Exchange support will apply to both the parties**

- Workspace, machinery & infrastructure
- Co-incubation facility to interested incubatees
- Mentoring, professional & managerial assistance
- A pool of shared support services (business, legal, financial, etc.)
- Startup Study Material: in-depth e-Hand books on: Startup Funding, Startup Ideas, Technology and Project Reports, Investor Directory, Government Schemes, Grants, etc.
- Online Startup Mentorship: Students and Startups can ask questions to online expert mentors anytime.
- Organize online/offline workshops and pitching sessions on regular basis.
- Should have versatile portal for enabling e-learning by obtaining individual or institutional membership.

*Leadam.*

*Krupa*

### Validity of the relationship

The framework of the agreement would be initially valid for a period of five years. This agreement can be extended by means of an addendum referring to this agreement as the base agreement to set the revised period and terms if any.

### Termination clause

If the incubator decides to terminate its operations before the aforementioned five years validity from the date of signing of the MoU, the incubator shall be required to notify the Nodal Agency within 2 weeks of its closure.

During any visits to the incubator, if it is found to be not functional, the TBI, ABV-IIITM, Gwalior shall have the right to terminate the MoU after due notice of 2 weeks.

Additionally, the MOU can be terminated from either end, with 30-days prior notice based on mutual consensus on completion of pending engagements and fulfillment of all commercial obligations.

### Non-compete / Non-conflict / Engagement protocols

TBI and CAIE agree to follow an engagement protocol that is ethical and professional during the delivery of this MOU. None of the incubator will engage itself into activities those are conflicting to government policies/rules and regulations.

IN WITNESS WHEREOF the parties have executed and delivered this MOU in two original copies in English language as on the day and the year as mentioned on first page, at Gwalior

Date: 7<sup>th</sup> September 2022

Place: Gwalior (M.P)

For TBI, ABV-IIITM, Gwalior

For CAIE, RVSKVV, Gwalior

Registrar (In-Charge)  
ABV-IIITM, Gwalior

For : CENTRE FOR AGRIBUSINESS  
INCUBATION AND ENTREPRENEURSHIP  
Seal & Signature  
Designation

1. Rajendra Singh
2. Manoj Kumar Das

## ABV-IIITM, Gwalior Activities

8<sup>th</sup> -10<sup>th</sup> December 2022

ABV-IIITM, Gwalior conducted hackathon under ATAL Research and Incubation Conclave. Our incubatees participated in Idea generation and other competition. Exhibition is placed by our incubatees. CAIE got the prize of best idea exhibition and our incubate Clean Coller Pvt. Ltd. won the best innovation start-up prize.



26. May.2023

Lecture for AVBIIITM



18. December.2023

ABVIITM EXHIBITION BY CAIE INCUBATEE (DAY1)



19. December.2023

ABVIITM EXHIBITION BY CAIE INCUBATEE (DAY2)



APPENDIX 6. SUB-AGREEMENT CONTRACT AMENDMENT TEMPLATE



Sub-grant Title: **Mainstreaming agricultural biodiversity conservation and utilization in agricultural sectors to ensure ecosystem services and reduce vulnerability**

Sub-grant No: L22DEL122

Amendment No.1

Amendment No. 1 to Sub-Agreement No. L22DEL122

FOR THE SUB-GRANT

**Mainstreaming agricultural biodiversity conservation and utilization in agricultural sectors to ensure ecosystem services and reduce vulnerability**

BETWEEN

Bioversity International  
Via di San Domenico, 1, 00153, Rome, Italy

(hereinafter referred to as the "Organization")

AND

Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya (RVSKV)  
Gwalior R.A.K. College of Agriculture, Sehore 466001(M.P.), India

(hereinafter referred to as "Implementing Partner")

WHEREAS:

- Pursuant to Article 25 of the General Terms and Conditions annexed to the above-referenced Agreement, the Organization and the Implementing Partner may, by their written and mutual consent, amend its provisions.
- The Organization and the Implementing Partner wish to amend the Agreement through a

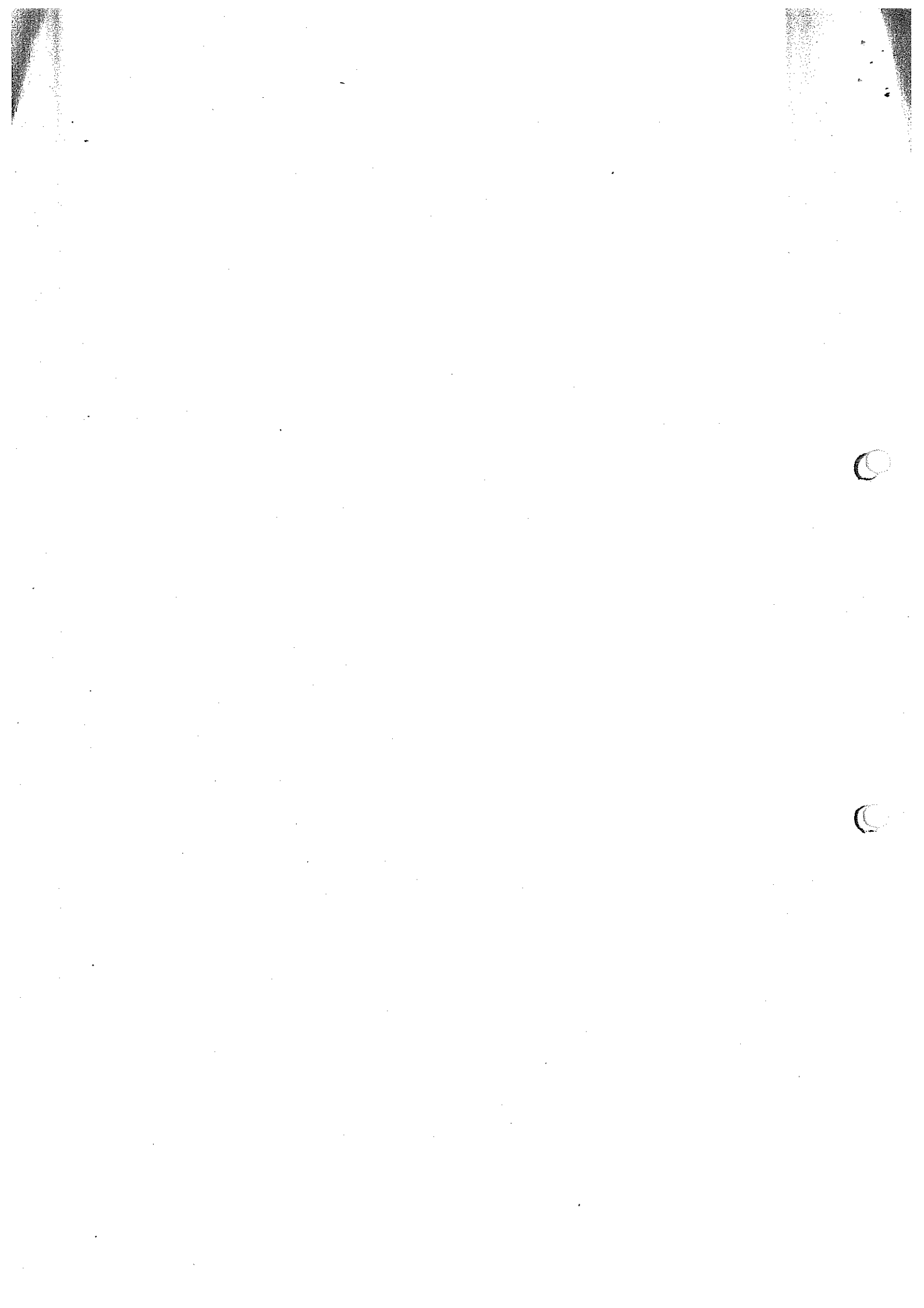
No-Cost Extension

With-Cost Extension

Budget Revision

Other Modification







Sub-grant Title: **Mainstreaming agricultural biodiversity conservation and utilization in agricultural sectors to ensure ecosystem services and reduce vulnerability**

Sub-grant No: L22DEL122

Amendment No.1

The Organization and the Implementing Partner hereby agree to modify the Agreement as follows.

Article 4.1 of the Specific Terms and Conditions is replaced by the following text:

4.1. This Agreement will be in force from January 1<sup>st</sup> 2022 until May 31<sup>st</sup> 2023 (hereinafter referred to as "Period of Performance"), as outlined in Annex 2.

In addition to the above, the following Annexes to the Agreement are replaced by the revised versions attached to this Amendment:

- Annex 2 – Scope of Work
- Annex 3 – Schedule of Reporting and Disbursements

This Amendment is incorporated by reference into the Agreement.

Except as modified by this Amendment, all other provisions of the Agreement and subsequent Amendments shall remain in full force and effect.

The Implementing Partner hereby acknowledges receipt of a copy of this Amendment. By signing below, the Implementing Partner accepts all agreed modifications to the Agreement and all unchanged terms and provisions.

Receipt by the Organization of acceptance in writing of these terms and conditions will constitute an integral part of the Agreement.

For and on behalf of the Organization:

Date: 24 March 2023

Stephan Weise - Managing Director for Asia

Signature \_\_\_\_\_

For and on behalf of the Implementing Partner:

Date: 28 March 2023

*Dr. S.K. Sharma,*

Dr. D. H. Ranade – Director of Research and Services

Signature \_\_\_\_\_

*Dr. D. H. Ranade*  
Director Research Services  
R.V.S.K.V.V., Gwalior (M.P.) 474002



Sub-grant Title: **Mainstreaming agricultural biodiversity conservation and utilization in agricultural sectors to ensure ecosystem services and reduce vulnerability**

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Amendment No.1

## Annex 3

### Schedule of Reporting and Disbursements

#### 1. Schedule of reporting

No.	Report	Reporting period	Submission by
1	Co-financing report	January 1, 2022– May 31, 2022	Co financing submitted on July 22, 2022
2	Technical Report and Financial Report <i>(for the financial report, a detailed transaction list of expenditures is required)</i>	January 1, 2022 – December 31, 2022	January 30, 2023
4	Final Technical, Financial Report and Co- financing report <i>(for the financial report, a detailed transaction list of expenditures is required)</i>	Entire implementation period	June 30, 2023

#### 2. Schedule of Disbursement

No.	Disbursement amounts	Conditions for payment
1	USD 4,371 - 30% of total budget	Agreement signed by both Parties (PAID)
2	USD 8,742 - 60% of total budget	Approval of Technical and Financial Report due on January 30, 2023, detailing the spending of at least 80% of previous installments
3	USD 1,458 - 10% of total budget	Approval of Final Technical and Financial Report due on June 30, 2023



Sub-grant Title: **Mainstreaming agricultural biodiversity conservation and utilization in agricultural sectors to ensure ecosystem services and reduce vulnerability**

Sub-grant No: L22DEL122

Amendment No.1

## **Annex 2**

# **SCOPE OF WORK**

## **1. Background**

India, which is a recognized mega-diversity centre, possesses unique crop diversity, including a number of crops that have long been naturalized here. This diversity remains under threat from the continuing adoption of modern high yielding varieties (HYVs), changes in land use and agricultural practices, social trends, national policy to promote HYVs, weak seed system and climate change. Nevertheless, this crop diversity that exists in several pockets around India continues to be a major natural asset and represents an essential element in the livelihood strategies of the much of the rural population. Traditional crops and varieties conserved by the Indian farmers over generations have been utilised in crop improvement programmes, the value of which has increased further in the context of the challenge of climate change. Understandably, while the progressive farmers with medium to large farm holdings opt more readily for modern and improved high yielding open pollinated varieties and hybrids, it is the small and marginal farmers, many of them located in far flung and tribal belts in the country, which continue to grow landraces and conserve biodiversity in agricultural crops. The crop diversity available with Indian farmers now constitutes an essential resource to deal with the challenges of adapting to climate change with continuing rise in temperature, changes in rainfall quantities and patterns and an increasing frequency of extreme events. Thus, the Project will develop local community-based approaches, together with the necessary national framework that will enable the conservation and use of crop diversity to be mainstreamed into India's agricultural production and environmental management strategies. This will be achieved by three inter-linked components that address:

## **2. Objectives**

The Sub-grant will contribute to mainstream the conservation and use of agricultural biodiversity for resilience in agriculture and sustainable production to improve livelihoods and access and benefit sharing capacity of farmer communities across four agro-ecoregions of India. This is being done through a number of tested community-based participatory approaches which support the maintenance of existing crop diversity and the introduction



Sub-grant Title: **Mainstreaming agricultural biodiversity conservation and utilization in agricultural sectors to ensure ecosystem services and reduce vulnerability**

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#### 4. Workplan

Activities:	April and May 2023
Organise Farmers' exchange visits across project sites for cross learning.	
Organise farmers' field days and farmers' exchange visits and cross-learning.	
Develop guidelines for seed regeneration, multiplication and distribution for CSBs.	
Prepare draft recommendations for policy and regulatory amendments to enhance conservation and use of crop diversity to support food security, sustainability and adaptation to climate change.	
Organise policy learning events to disseminate best practices and strengthen platforms to share lessons of experiences on promotion of crop diversity conservation and utilization to address the challenges of climate change and food security.	
Mobilize social capital to create.	
Organise National (at least two) and regional (at least one in each region) level meetings of the stakeholders to identify the crucial issues for developing an ABS mechanism.	
Publish project related best-practices and lesson learned and develop plan for up-scaling and out-scaling of project outcomes.	



Sub-grant Title: **Mainstreaming agricultural biodiversity conservation and utilization in agricultural sectors to ensure ecosystem services and reduce vulnerability**

Sub-grant No: L22DEL122

Amendment No.1

and deployment of appropriate new materials of target crops. The various approaches include awareness campaigns, seed fairs, diversity fora, strengthening seed supply systems and the establishment of community genebanks, and other adaptive technologies that enable farmers to adopt and benefit from diversity rich solutions.

The project work directly with farmers and communities to mainstream crop diversity on farm to address the challenges they are facing due to change in climate. This include participatory evaluation and identification of suitable crop diversity and improved awareness and information on varietal adaptation based on scientifically sound evidence and its validation by farmers and communities, including men's and women's self-help groups. Income and other livelihood improvement actions through value addition and unique product development from local crops and landraces and their commercialisation through effective market links to support mainstreaming. The project places special emphasis on capacity building and empowerment of women through conservation and use of agricultural biodiversity.

The project also aims to develop national and regional level strategies and plans on integrated sustainable agricultural improvement and use of agricultural biodiversity that will improve ecosystem services and provide an enabling environment for diversity deployment in order to support adaptation of agricultural ecosystems. In addition, the project also strengthens relevant institutions and build the capacity of rural communities to enable custodians of agricultural genetic resources to share the benefits of the materials they are conserving and ensure recognition of the role of agricultural biodiversity by the agricultural sector. The project also strengthens the capacity of research, extension and outreach workers maintaining gender equity to identify and support the implementation of diversity rich solutions in close collaboration with farmers and rural communities.

### 3. Key Deliverables and Activities

The Implementing Partner will deliver on

- The adaptive management of crop diversity for resilient agriculture and improved livelihoods.
- Extent and distribution of genetic diversity is determined, together with documentation of factors that shape farmer decisions on diversity maintenance, including challenges presented by climate change.

APPENDIX 6. SUB-AGREEMENT CONTRACT AMENDMENT TEMPLATE



Sub-grant Title: **Mainstreaming agricultural biodiversity conservation and utilization in agricultural sectors to ensure ecosystem services and reduce vulnerability**

Sub-grant No: L22DEL122

Amendment No.1

- New and traditional crop genetic diversity meeting farmers' needs and able to enhance ecosystem function, resilience and adaptation to climate change identified and made available.
- Improved farmers' access to genetic materials at all project sites through establishment of community biodiversity registers (CBRs), community seed banks (CSBs), and diversity fairs.
- Production and non-market benefits/incentives from management and sustainable use of crop genetic diversity by farming communities identified and relevant intervention strategies for capturing and enhancing such benefits developed.
- Local, regional and national markets identified, and market chains developed to provide improved benefits to farmers and communities in all project sites for sustainably produced crop diversity products.
- Mechanisms for improved coordination and implementation to promote better management of conservation, use and sharing of crop diversity developed and supported by relevant policy instruments, regulations, strategies and plans including access and benefit sharing.
- Improved agricultural support systems (Research, Outreach and extension) institutional Frameworks and partnership at national, regional and local levels to ensure improved agricultural biodiversity conservation, adaptability, resilience and farmer livelihood.

## Umbrella Memorandum of Understanding

Between

ICAR – Agricultural Technology Application Research Institute, Jabalpur  
And

*RajmataVijayarajeScindiaKrishiVishwaVidyalaya, Gwalior [Madhya Pradesh]*

*For facilitating*

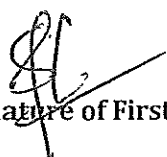
*Students Training/Postgraduate Research*

This Memorandum of Understanding (Hereinafter referred to as MoU) is made on this.....day of the month of .....in the year 2021 by and between the **ICAR – Agricultural Technology Application Research Institute, Jabalpur** having its Head Office at Zone IX JNKVV Campus Adhartal, Jabalpur M.P (hereinafter called "ICAR-ATARI"/First Party), a constituent Research Institutions of the Indian Council of Agriculture Research, KrishiBhawan, New Delhi-110 001 on the ONE PART and the **RajmataVijayarajeScindiaKrishiVishwaVidyalaya (Madhya Pradesh)**[Name of the AU (Within NARS) having its headquarters at **Gwalior (Madhya Pradesh State)**][Hereinafter called "RVSKVV"/Second party] on the OTHER PART (who for the purpose of this MoU are hereinafter collectively referred to as the parties).

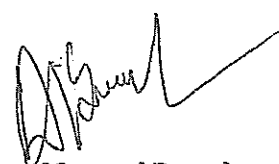
The parties, having discussed fields of common research interests and allied activities between the two institutions, have decided to enter into long-term collaboration for promotion of students training and quality postgraduate research in cutting edge areas

WHEREAS the "First Party" is involved in the studies on **Agricultural Extension aspects and allied sectors** (Specific mandated domain within the approved discipline/division), AND WHEREAS the "Second Party", established vide F. No.....dated...../...../20.....by Govt. of India/Govt. of .....(Name of the Agency) vide Act No.....of .....and recognized by University Grants Commission) at its Department of .....is involved in .....(Specific areas of research),

AND WHEREAS it has been considered expedient to agree in writing to participate jointly in the projects requiring expertise and logistics from both the parties.

  
(Signature of First Party)

**Director**  
**ICAR-ATARI, Zone-IX**  
Adhartal, Jabalpur-482004 (M.P.)

  
(Signature of Second Party)  
**DIRECTOR INSTRUCTION**  
**R.V.S.K.V.V., GWALIOR (M.P.)**



## Article 1. Scope

- 1.1 Both the parties will recognize each other as an institute for conducting research related to thesis requirement of the student of Master and Doctorate degree programme. First party will recognize Scientist of Second part and *vice versa* as recommended by its Director in accordance with the University rules and regulations for guiding students working for the said degree.
- 1.2 The teacher/scientist in which the student is registered for the degree programme will be considered as Advisor and in which the research programme conducted with the approval of Director Instruction of both the Universities.
- 1.3 Operational details of research effort and collaboration will be in common research programmes and/or project restricted to specific mandated domain within the approved disciplines/divisions. The objective(s) for research work for a student coming from a Second party outside NARS should be exclusively different as far as possible.
- 1.4 Research instrumentation facility and library facilities available with the First party and the Second party will be made available to the respective organizations.
- 1.5 There shall be an exchange for students for academic, research and training purpose. Accommodation in the Hostel shall be arranged, wherever possible, as per extant rates. The duration of exchange visits will be determined by mutual consent between both the parties.

## Article 2. Management

- 2.1 Director of the First party and the Vice-Chancellor/Head of the Institution of the Second party will be responsible to work out operational details of co-operation between the two organizations and ensure proper and effective implementation of this MoU.
- 2.2 The Advisory Committee will meet at least once in a year alternatively in the institutions of the First party and the Second party to review the activities. This meeting shall include presentation on the academic and research activities, which should be open to the students, faculty and scientists.

## Article 3. Exchange of information

- 3.1 The term "information" includes scientific or technical data, result and/or methods of investigation, and other information intended to be project descriptions entered into pursuant to this MoU.
- 3.2 The parties support the widest possible dissemination of information, each party in joint projects shall be given the right to use, disclose, publish or disseminate such information for any and all purposes.

(Signature of First Party)

**Director**  
ICAR-ATARI, Zone-IX  
Adhartal, Jabalpur-482004 (M.P.)

(Signature of Second Party)

DIRECTOR INSTRUCTION  
MYSORE, GWALIOR 04

#### Article 4. General Provisions

- 4.1 It is understood that the First party and the Second party subscribe to the principles of equal opportunity and do not discriminate on the basis of race, sex, age, casts or religion,. Both the Institutions shall abide by these principles in the administration of this agreement and neither party shall impose criteria for exchange of scholars or students, which violate principles of non-discrimination.
- 4.2 Both parties understood that all financial agreements will have to be negotiated and will depend on the availability of funds.
- 4.3 Both parties acknowledge that exchange of students from one party to the other shall be subject to the availability of funds and shall comply with the regulations and policies of the institute where student will perform the research work.
- 4.4 Any research publications arising will be jointly published with the senior authorship of the student followed by the advisor, co-advisor and member of the advisory committee (if contributed significantly) with the address of the University where the student was registered for the degree programme.
- 4.5 A copy of the thesis/dissertation will be submitted to the University where research work was performed by the student based on the MoU.
- 4.6 All questions related to this MoU arising during its term will be settled by the parties by mutual agreement. Disagreement at the operating level shall be forwarded to respective higher official for appropriate resolution failing which an arbitrator of mutual acceptance may be identified for the settlement of dispute, if any.
- 4.7 All questions not foreseen related to this MoU will be handled by the parties by mutual agreement.
- 4.8 Nothing in this MoU is intended to affect other cooperation or collaborations between the parties.

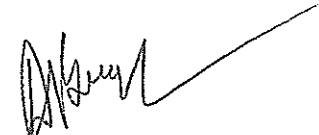
#### Article 5. Intellectual Property Rights

- 5.1 Both the parties will ensure protection of the Intellectual Property Rights generated or likely to be generated during the student's research work. The University where students is registered for the degree programme will be the first applicant for submission of joint application for IPR and the students and involved scientific staff from both the University shall be included as the inventor/breeder/author. The 'ICAR Guidelines for Intellectual Property Management and Technology Transfer/Commercialization' as amended from time to time shall be the reference for exploitation of the generated intellectual property, whose management and benefits sharing shall be mutually decided in each case.

(Signature of First Party)

  
**Director**  
ICAR-ATARI, Zone-IX  
Adhartal, Jabalpur-482004 (M P)

(Signature of Second Party)

  
**DIRECTOR INSTRUCTION**  
RESEARCH, GWALIOR (M P)

## Article 6. Admission and Fees

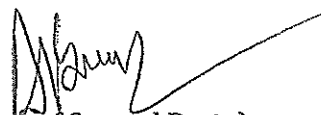
- 6.1 All those who wish to register for Master/Doctoral Programme under this MoU must apply for admission to other University through respective Director of Instructions. The allocation of Major Guide/Advisor would be finalized by the University where student is registered for the degree programme before submission of application where as Co-advisor will be allocated by the Director of Instruction from the University where research work will be conducted in consultation with Professor and Head of respective Department.
- 6.2 Synopsis has to be finalized by the University where student is registered for the degree programme in consultation with the Co-advisor of the University where research work has to be performed.
- 6.3 Admission of the student and the award of degree for different programmes will be the responsibility of the University where student is registered for the degree programme as per the rules and regulations
- 6.4 University where student is registered for the degree programme would have the right to screen the students eligibility for the admission based on their academic period.
- 6.5 The PME cell of the First Party in consultation with the representative of the Second Party shall decide the location and sharing quantum of research work.
- 6.6 The number of students at any particular time will be subjected to the availability of research facilities and scientist time to guide thesis research in the University where research work has to be performed.
- 6.7 Any students admitted to for training/postgraduate research, if found violating the rules and regulations laid down by the University where student is registered for the degree programme or indulge in such activities that amount to tarnishing the image of the Institute, or cause damage to the property, the registration to such student (s) would be summarily terminated. The University where student is registered for the degree programme will not complete the formalities of issuing the certificates to such students until they compensate the losses to the University where research work has been performed.
- 6.8 Fees for research work will be charged from the students by the University where the student has registered for degree programme as per Guidelines and rules of that University for the students to conduct research for their degree programme, it may be revised time. However, the student registered with the other University to perform research work shall deposit the fee deposit fee of one semester as proposed by the University. Any change in fee structure by the University will be applicable from the date of revision and shall be charged by the student.

(Signature of First Party)



↓ Director  
ICAR-ATARI, Zone-IX  
Adhartal, Jabalpur-482004 (M.P.)

(Signature of Second Party)



Director of Instruction  
ICAR-ATARI, Zone-IX  
Adhartal, Jabalpur-482004 (M.P.)


## Article 7. Entry into effect, modification and termination

- 7.1 This MoU shall become effective on the date it is signed by the parties and shall be valid for three years extendable up to five years. Both parties shall review the status of the MoU at the end of each three/five year period to determine any modification, whenever necessary. The period of validity of this MoU may be extended by mutual consent upto five years. This MoU may be amended by mutual written agreement and may be terminated at any time by either party upon written notification signed by the competent authority of the party initiative termination. Such notification must be given to the party at least six months in advance from the effective date of termination.
- 7.2 All joint activities not completed at the expiration or termination of the MoU may be continued until their completion under the terms of MoU.
- 7.3 No amendment or modification of the MoU shall be valid unless the same is made in writing by both the parties or their authorized representatives and specifically stating the same to be amendment of the MoU. The modification/changes shall become part of the MoU and shall be effective from the date on which they are made/executed, unless otherwise agreed to.

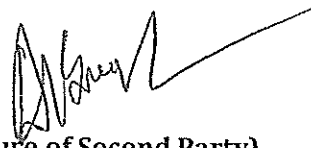
## Article 8. Terms and conditions

- 8.1 This MoU is valid for a period of five years at the first instance, but can be extended with the consent of both the parties.
- 8.2 The MoU shall be deemed to have been automatically rescinded after the expiry of the MoU period, unless renewed for any further period as per mutually agreed upon terms at later stage.
- 8.3 Either of the parties hereto shall be entitled to terminate the MoU at any time with valid reasons acceptable in writing to both the parties and in such case, the MoU will terminate six month after the date of written notification or date expiry of the MoU whichever is earlier.

In case of any disputer that may crop-up during executing of MoU, the matter would be settled through arbitration committee comprising of a member nominated each by the two parties and one member will be jointly nominated by two parties.

  
(Signature of First Party)

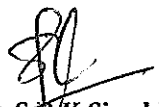
**Director**  
ICAR-ATARI, Zone-IX  
Adhartal, Jabalpur-482004 (M.P.)

  
(Signature of Second Party)


DEPUTY DIRECTOR & INSTRUCTION  
OFFICE, QUALIFICATION


This MoU has been executed in two originals, one of which has been retained by the First party and the other by the Second party.

IN WITNESS WHERE OF, the parties have executed this MoU and represent that they approve, accept and agree to terms contained herein.

  
(Dr. S.K. Singh)  
Director (Acting)  
ICAR-ATARI, Jabalpur  
(Name and Address of the First Party)

(Dr.S.K.Rao)  
ViceChancellor,  
RVSKVV,Gwalior  
(Name and Address of the Second Party)

  
Authorized Director  
of the Institution of the  
First Party  
ICAR-ATARI, Zone-IX  
Adhartal, Jabalpur-482004 (M.P.)  
Tel No. 0761-2680807

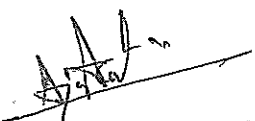
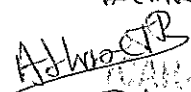
  
DIRECTOR INSTRUCTION  
R.V.S.K.V.V. GWALIOR (M.P.)  
Authorized Director  
of the Institution of the  
Second party  
Tel No.


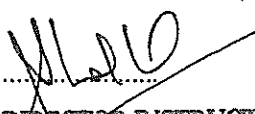
Date - 22<sup>nd</sup> July, 2021

Date

Signature with Seal

Signature with Seal

Mr.  Dr.  
Witness 1... A. A. A. Raik  
Scientist  
ICAR- ATARI, Jabalpur  
Mr.  Dr.  
Witness 2... T. R. Athare  
Scientist,  
ICAR-ATARI, Jabalpur  
Scientist  
ICAR-ATARI, Jabalpur

 Dr.  
Witness 1... DFA  
Dean  
Faculty of Agriculture  
R.V.S.K.V.V. Gwalior (M.P.)  
Dy.   
Witness 2... Dy. Director Instructions  
R.V.S.K.V.V. GWALIOR

**Umbrella Memorandum of Understanding**

between

**ICAR-Directorate of Weed Research, Jabalpur**  
(Name of the ICAR Institute)

and

**Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior (M.P.)**

University /DU [Within ARS (Aus/ICAR DUs or outside ARS (Central/State Govt. Public Sector Funded Institution /State Universities/Autonomous Bodies/Private Universities or Institution)]

For facilitating

Students' Training/ Postgraduate Research

This Memorandum of Understanding (hereinafter referred to as MoU) is made on this 17/8/21 by and between the **ICAR-Directorate of Weed Research, Jabalpur** (Name of the ICAR Institute having its Head office at **Jabalpur** [hereinafter called "ICAR-DWR"/First party] a constituent Research Institution of the Indian Council of Agricultural Research, Krishi Bhavan, New Delhi-110001 on the ONE PART and the **Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior (M.P.)** Name of the AU/ICAR-DU (Within NARS) or Central/State Govt. / Public Sector Funded institution/State University/Autonomous Body/Private University or Institution having its headquarter at **Gwalior** [hereinafter called "RSKVV"/Second Party] on the OTHER PART who for the purpose of this MoU are hereinafter collectively referred to as the parties).

The parties, having discussed fields of common research interests and allied activities between the two institution, have decided to enter into long-term collaboration for promotion of students, training and quality postgraduate research/Ph.D. research in cutting/edge areas in accordance with the provision contained in the Guidelines issued vide Letter No-2-8/20 12-HRD dated 11<sup>th</sup> December, 2012 or as revised from time to time.

WHEREAS the "First Party" is involved in the studies on **Weed Research and allied disciplines** specific mandated domain within the approved disciplines/divisions, AND WHEREAS the "Second Party" **RSKVV, Gwalior** is involved in **Teaching, Research and Extension** in Agricultural Science and Technology (specific areas of research). AND WHEREAS it has been considered expedient to agree in writing to participate jointly in the projects requiring expertise and logistics from both the parties.

Signature of First party

17.8.21

Signature of Second party

H/O  
17/8/21

## Articles 1. Scope

**Areas of cooperation:** Agronomy, Weed Science, Soil Microbiology, Soil Science, Plant Physiology, Agro-meteorology, Biochemistry, Environmental Science, Microbial Biotechnology and any other academic and research discipline that covers mutual interests and objectives.

**Forms of cooperation:** Providing research guidance to M.Sc. and Ph.D. students

- 1.1 The Second Party will recognize the First party as an Institute for conducting research related to the thesis requirement of the research students for M.Sc. & Ph.D. (Name of the degree programme). The second party will recognize Scientists of the ICAR Institute as recommended by its Director in accordance with the University rules and regulation for guiding students working for the said degree.
- 1.2 Operational details of research effort and collaboration will be made in common research programmes and /or projects restricted to specific mandated domain within the approved disciplines/divisions. The objective(s) for research work for a student coming from a Second Party outside NARS should be exclusively different as far as possible.
- 1.3 Research instrumentation facility and library facilities available with the First Party and the Second Party will be made available to the faculty and research scholars. However, the costs of specific consumables will be borne by the respective organization.
- 1.4 There shall be an exchange of students for academic, research and training purposes. Accommodation in the Hostel shall be arranged, wherever possible, as per extant rates. The duration of exchange visits will be determined by mutual consent between both the parties.

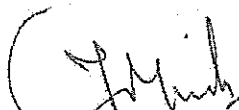
## Articles 2. Management

- 2.1 Director of the First Party and the Vice-Chancellor/Head of the Institution of the Second Party will be responsible to work out operational details of co-operation between the two organizations and ensure proper and effective implementation of this MOU.
- 2.2 The Advisory Committee will meet at least once in a year alternatively in the institution of the First party and the Second party to review the activities. This meeting shall include presentation on the academic and research activities, which should be open to the students, faculty and scientists.

## Articles 3. Exchange of Information

- 3.1 The term "information" includes scientific or technical data, results and /or methods of investigation, and other information intended to be provided, exchange, or arising under project descriptions entered into pursuant to this MoU.
- 3.2 The parties support the widest possible dissemination of information. Each party in joint project shall be given the right to use, disclose, publish or disseminate such information for any and all purpose.

Signature of First party

  
17.8.21

Signature of Second party

  
2/8/21

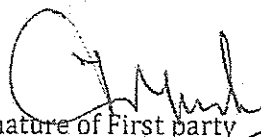
#### Articles 4. General Provision

- 4.1 It is understood that the First party and the Second party subscribe to the principle of equal opportunity and do not discriminate on the basis of race, sex, age caste or religion. Both the Institutions shall abide by these principles in the administration of this agreement and neither party shall impose criteria for exchange of scholars or students, which violate principles of non-discrimination.
- 4.2 Both parties understand that all financial agreement will have to be negotiated, separately and will depend on the availability of funds.
- 4.3 Both parties acknowledge that exchange of students from one party to the other shall be subject to the availability of funds and shall comply with the regulation and policies of the First party and the Second party.
- 4.4 Any research publications arising will be jointly published in accordance with the provision laid out in item 3.2.1 C of the Guidelines for the students to conduct research for their degree programme as trainees at LCAR institutions as notified vide letter NO.2-8/2012-HRD, dated 11<sup>th</sup> December, 2012 or revised guidelines, if any, as may be issued from time to time.
- 4.5 A copy of thesis /dissertation will be submitted to the First Party after the award of the degree by the Second Party.
- 4.6 All question related to this MoU arising during its term will be settled by the parties by mutual agreement. Disagreements at the operation level shall be forwarded to respective higher officials for appropriate resolution failing which an arbitrator of mutual acceptance may be identified for the settlement of dispute, if any.
- 4.7 All questions not foreseen related to this MoU will be handled by the parties by mutual agreement.
- 4.8 Nothing in this MoU is intended to affect other cooperation or collaborations between the parties.

#### Articles 5. Intellectual Property Right

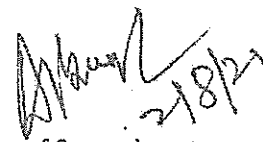
- 5.1 The Second party will be expected to ensure protection of the Intellectual Property Right generated or likely to be generated during the student's research work. The ICAR as the first applicant (for its institute) and the Second party shall be the joint applicants for IPRs and the students and involved scientific staff shall be included as the inventor/breeder/author. The 'ICAR Guidelines for Intellectual Property Management and Technology Transfer/Commercialization, as amended from time to time shall be the reference for exploitation of the generated intellectual property, whose management and benefits sharing shall be mutually decided in each case.

Signature of First party



17.8.21

Signature of Second party





## Articles 6. Admission and Fees

- 6.1 All those who wish to register as trainees of for Master/Doctoral programme under this MoU must apply for admission at the Second party. The allocation of Major Guide/Advisor would be finalized before the registration and will be governed by the provisions laid out in Items 3.2.1A and 3.2.2A of the Guidelines for the students to conduct research for their degree programmes as trainees at ICAR institutions as notified vide Letter No.2-8/2012-HRD dated 11<sup>th</sup> December, 2012 or revised Guidelines, if any as may be issued from time to time, for the students from within NARS and outside NARS, respectively.
- 6.2 Admission of the students and the award of degrees for different programme will be the responsibility of the Second party as per the rules and regulations.
- 6.3 Allotment of the students at the First Party will be done by the approval of Director of the First Party and Vice-Chancellor/Head of the Institution of the Second party.
- 6.4 The First Party would have the right to screen the student's eligibility for admission based on their academic period.
- 6.5 The PME Cell of the First party in consultation with the representative of the Second party shall decide the location and sharing quantum of research work.
- 6.6 The number students(s) at any particular time will be subjected to the availability of research facilities and scientists' time to guide thesis research at the First party institution.
- 6.7 Any student(s) admitted to the First party for training/postgraduate research, if found violating the rules and regulation laid down by the First party or indulge in such activities that amount to tarnishing the image of the institute, or cause damage to the property, the registration of such students(s) would be summarily terminated. The Second party will not complete the formalities of issuing the certificates to such students until they compensate the losses to the First party.
- 6.8 Fees will be charged from the students by the First party as per Guideline for the students to conduct research for their degree programme as trainees at ICAR institutions vide Letter No. 2-8/2012-HRD dated 11<sup>th</sup> December, 2012 or revised Guidelines, if any, as may be issued from time to time. No fee may be charged by the First party from the students registered with AU/DU within NARS. However a student registered with a Second party, outside NARS, will deposit fee of Rs. 10,000/-for training duration of 3 months (not leading to a degree/dissertation) and Rs. 30,00/-per semester (six months) for training, research, dissertation exceeding three months. Any change in fee structure by ICAR will be applicable from the date of revision and shall be charged by the First party.

Signature of First party

17.8.21

Signature of Second party

**Articles 7. Entry into effect, modification and termination**

7.1 This MoU shall become effective on the date it is signed by the parties and shall be valid for three years extendable up to five years. Both parties shall review the status of the MoU at the end of each three/ five year period to determine any modification, whenever necessary. The period of validity of this MoU may be extended by mutual consent up to five years. This MoU may be amended by mutual written agreement and may be terminated at any time by either party upon written notification by the competent authority of the party initiating termination. Such notification must be given to the other party at least six month in advance from the effective date of termination.

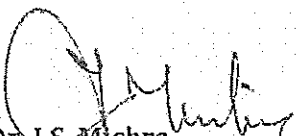
7.2 All joint activities not completed at the expiration or termination of the MoU may be continued until their completion under the terms of this MoU.

7.3 No amendment or modification of the MoU shall be valid unless the same is made in writing by both the parties of their authorized representatives and specifically station the same to be amendment of the MoU. The modifications/changes shall become part of the MoU and shall be effective from the date on which they are made/executed, unless otherwise agreed to.

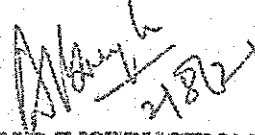
This MoU has been executed in two originals, one of which has been retained by the First party and the other by the Second party).

II WITNESS WHEREOF, the parties have executed this MoU and represent that they approve, accept and agree to terms contained herein

**Director**  
ICAR-Directorate of Weed Research,  
Jabalpur

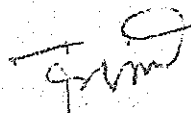
  
Dr. J.S. Mishra  
Director  
(First Party)  
Date 17.08.2021  
Signature with seal

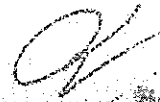
**Director Instruction**  
Rajmata Vijayaraje Scindia Krishi  
Vishwa Vidyalaya, Gwalior (M.P.)

  
Dr. A.J. Singh  
Director Instruction  
(Second Party)  
Date  
Signature with seal

निदेशक  
Director  
म.क.अनु.प. - ख.अनु. निदेशालय, जबलपुर  
ICAR-D.W.R., Jabalpur  
Witness

Witness

  
17.08.2021

  
Witness  
Faculty of Agriculture  
Rajmata V. Scindia (M.P.)

Witness Registrar  
(Rajmata V. Scindia) Gwalior (M.P.)



Department of Agronomy,  
RVSKVV-College of Agriculture, Gwalior (M.P.)

Dr. D.S. Sasode  
Head of Section

Ph./Fax : 0751-2341619 (O)  
Mob. 9617378979  
Email: aicrp\_wcgl@yahoo.in

No.Agron/ 2021/ 35

Date: 18.08.2021

To,

✓ The Director  
ICAR - Directorate of Weed Research,  
Jabalpur (M.P.)

Sub : Regarding the submission of name as Co-advisor from ICAR- DWR for the research work of Ph.D. student.

Ref : As per MoU email dated 17.08.2021

Sir,

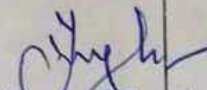
Mr. Narendra Kumar, student of Ph.D. (Agronomy) is interested to carry out his Ph.D. thesis research work at ICAR – DWR, Jabalpur.

S.N.	Name of students	Interested field	Roll No.
1	Narendra Kumar	Weed management in conservation agriculture	20112905

Please nominate the name of "Dr V.K. Choudhary (Sr. Scientist) as a co-advisor for advisory committee of Ph.D. student to carry out his work on weed management in conservation agriculture.

Kindly give your consent and you are also requested to please provide the biodata of Dr. V.K. Choudhary.

With regards and thanks

  
Head of Section  
HOS, Agronomy  
RVSKVV College of Agriculture,  
Gwalior  
Date: 18.08.2021

No.Agron/ 2021/

Copy to :

1. The Director Instruction, RVSKVV, Gwalior.
2. The Dean, College of Agriculture, Gwalior,

HOS, Agronomy

# Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya,

Raja Pancham Singh Marg, Behind LNUPE Gwalior - 474002 (M.P.), India



Dr. S.P.S. Tomar  
Director Instructions

Tel: 0751-2970517 (O)  
Mob: No: 9826639230  
E-mail: [di@rvskvv.net](mailto:di@rvskvv.net)  
Website: [www.rvskvv.net](http://www.rvskvv.net)

Dated: 11.07.2022

No. DI/Adv. Comm./2022/1047

## ORDER

The following advisory committee is hereby approved for following Ph.D. students of (year 2021-2022 & 2022-2023) Department of Agronomy, College of Agriculture, Gwalior (M.P.).

S.No.	Name of the Students	Chairman	Member of Advisory Committee
1	Alpana Kumhare	Dr. D.S. Sasode	Dr. V.K. Choudhary, Co- Advisor Dr. Varsha Gupta Dr. Shashi Singh Yadav Dr. V.B. Singh
2	Ankit Kumar Shridhar	Dr. Varsha Gupta	Dr. S.P. Singh - Co- Advisor Dr. Ekta Joshi Dr. S.K. Trivedi Dr. V.B. Singh
3	Raghav Patel	Dr. S.S. Bhadauriya	Dr. Janmejay Sharma Dr. Nisha Singh Dr. Shashi Singh Dr. V.B. Singh
4	Richa Singh	Dr. Ekta Joshi	Dr. S.P. Singh, Co-Advisor Dr. D.S. Sasode Dr. Shashi Singh Yadav Dr. V.B. Singh
5	Sandeepna Sharma	Dr. Nisha Singh	Dr. S.S. Bhadauriya Dr. Varsha Gupta Dr. S.K. Trivedi Dr. V.B. Singh
6	Sonali Singh	Dr. Ekta Joshi	Dr. P.K. Mukherjee Co-Advisor Dr. D.S. Sasode Dr. Shashi Singh Yadav Dr. V.B. Singh

*V.K. Choudhary DWR, Jabalpur*  
*19/7/22*

*[Signature]*  
Director Instructions  
Dated: 11.07.2022

- Endt. No. DI/ Advisory Committee/2022/1047
1. The Registrar, RVSKVV, Gwalior.
  2. The Dean, College of Agriculture, Gwalior.
  3. Head of the Department of Agronomy, COA, Gwalior.
  4. Guard file.

*[Signature]*  
Director Instructions



**DIRECTORATE OF RESEARCH SERVICES**  
**Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya,**  
In front of Mela Ground, Race Course Road, Gwalior



**Dr. D. H. Ranade**  
Director Research Service

Ph.No.0751-2970509  
Email-drs@rvskvv.net

No./DRS/MOU/2021/1781

Date: 12-10-2021


To,

Dr. Ashok Kumar Are,  
Principal Scientist & Product Placement Lead-Asia,  
Research Program – Accelerated Crop Improvement,  
International Crops Research Institute for the Semi-Arid Tropics  
Patancheru, Hyderabad, Telangana – 502324. India.

Subject: Partnership sub-grant agreement between RVSKVV and ICRISAT.

Please find attached herewith duly signed copy of Partner Sub-Grant Agreement (SGA) between ICRISAT, Hyderabad and Rajmata Vijayaraje Scindia Krishi Vishwavidyalaya (RVSKVV), Gwalior for your record and further processing please.

With regards.


  
Director Research Services

*fil*  
Date: 12-10-2021

No. /DRS/MOU/2021/1782

CC: for information and necessary action to-

1. Dean, College of Agriculture, Sehore.
2. Dr. M. Yasin, Pr. Scientist, CoA, Sehore.
3. Dr. A.K. Mishra, Scientist, CoA, Sehore.
4. P.S. to Hon'ble Vice Chancellor, RVSKVV, Gwalior.

  
Director Research Services

*fil*

*o/c*

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○

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**PARTNER SUB-GRANT AGREEMENT**

Between

The International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), an International Organization, headquartered at Patancheru 502 324, Telangana, India with privileges and immunities of the United Nations (Privileges and Immunities) Act, 1947 (hereinafter referred to as "ICRISAT") which expression shall, unless excluded by or repugnant to the context, be deemed to include its successors-in-interest and permitted assigns,

AND

Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya (RVSKVV), Gwalior was established in 2018 to impact education, conduct research and extension activities for enhancing productivity, optimization of profit and sustainability of agriculture and allied sectors and improving rural livelihood in the state of Madhya Pradesh, India. RVSKVV, is located at Race course road, near Meela grounds, Gwalior-474002, Madhya Pradesh, India (hereinafter referred to as "Partner Institution") which expression shall, unless excluded by or repugnant to the context, be deemed to include its successors in-interest and permitted assigns.

ICRISAT and the Partner Institution are also referred individually as "Party" and collectively as "Parties".

**1. Introduction**

International Crops Research Institute for the Semi-Arid Tropics (hereinafter referred to as "ICRISAT") and Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya (RVSKVV), Gwalior, (hereinafter referred to as "Partner Institution") enters into this Partner Sub-Grant Agreement (hereinafter referred to as "Agreement") for conducting the "Multilocation testing of pigeon pea and sorghum" project, funded by the ICAR, Government of India (the Donor).

**2. Purpose of the funding**

- a) The purpose of this grant funding is to enable the Partner Institution to undertake preliminary yield testing of improved breeding populations/lines and multilocation testing of elite lines towards cultivar release/recycling and related activities in accordance with the agreed Work Plan (Annex-1) and shall not use the funds for any other purpose/s.
- b) The Partner Institution shall utilize the funds only for the research activities agreed under this Agreement and shall not use the funds for any other purpose/s. The Partner Institution shall exercise care in the administering the funds having due regard to the economy and efficiency and the need to uphold highest standards of integrity in the administration of public funds, including prevention of fraud and corruption.

**3. Duration of Agreement**

3.1. The duration of this Agreement is for 04 months starting from 01 August 2021 to 30 November 2021, with the Effective Date as 01 August 2021.

4. **Grant Amount and Disbursement**

- i) The maximum budget approved for the Partner Institution is a sum up o INR 94,500 (Indian Rupees ninety four thousand five hundred only) for the duration of the Activity. In this INR 52,500 (Indian Rupees fifty two thousand five hundred only) to be used for Pigeon pea trialling and another INR 42,000 (Indian Rupees forty two thousand only) to be used for Sorghum trialling at RAK College of Agriculture, Sehore under the RVSKVV, Gwalior.
- ii) The excess expenses will be the sole responsibility of the Partner Institution. No reimbursements will be made for costs incurred in excess of the grant amount.
- iii) Disbursement details as follows:

Disbursement details	Budget
1 <sup>st</sup> Instalment (Upon signing of this Agreement) and an Invoice/request for funds with banking details	70% of the budget
November 2021 (Annual technical and financial reports), 100% Utilization certificate (UC)/ Liquidation for total approved fund and an Invoice/request for funds	30% of the budget

- i) The approved budget is subject to revisions through Amendment to this Agreement based on funding confirmation and realization of grant from the Donor.
- ii) The funds shall be disbursed subject to receipt of funds from the Donor.

5. **Reporting and Financial Management**

- i) The Partner Institution shall provide the Technical and Financial Reports jointly signed by the Head of Finance and Head of the Institution to ICRISAT.
- ii) The Technical Report should cover all activities undertaken under this Agreement and as specified in the agreed Work Plan.
- iii) The Partner Institution agrees to submit the following reports to ICRISAT:

Reporting Period	Reporting details	Due dates
1 August 2021 -30 November 2021	Annual technical and financial reports and 100% of Grant Amount Utilization certificate (UC)/ Liquidation	15 December 2021

- i) ICRISAT will not recognize any other expenditure in case those expenses exceed the Grant Amount or utilized for purposes other than agreed under this Agreement.
- ii) The Partner Institution must spend 100% of the approved budget/ fund in the financial report and provide signed Utilization Certificate (UC) to receive/ process the second and final instalment funds.



- f) The Partner Institution shall also provide to ICRISAT with Audited Financial Statement of the Activity funds utilization within fifteen (15) days after completion of the Partner Institution's financial year.
- g) The Partner Institution is responsible for recording expenditure and keeping supporting documentation related to the Grant funding for a period of five (5) years after the completion of grant period. These shall be available for audit at the request of ICRISAT, auditors, or Donor.
- h) In the event that the funds are not fully spent for implementation of the activities, the Partner Institution agrees to promptly return the unspent funds to ICRISAT within 30 days upon termination or completion/expiration of the Agreement.
- i) The Partner Institution agrees to provide full support and cooperation to ICRISAT and Donor during review and technical evaluation of the Activity.

## 6. Intellectual Property and Data Sharing

- a) Management of Intellectual Property. The Parties shall manage all intellectual assets and/or related intellectual property rights created as a result of the activities carried out under this Agreement in a way that is consistent with the CGIAR Principles on the Management of Intellectual Assets ("CGIAR IA Principles"), which is available at CGIAR website<sup>1</sup> and will apply as amended from time to time. All tangible and intangible results that arise from this Agreement shall be international public goods and shall belong to ICRISAT. The Partner Institution shall assign and transfer all rights with respect to the results generated under this Agreement to ICRISAT.
- b) The Parties shall act in accordance with CGIAR Open Access and Data Management Policy (the "Policy"), which is approved by the CGIAR Consortium Board. Under this policy, the parties are committed to widespread dissemination of results of its research and development activities to achieve the maximum impact to advantage the poor, especially smallholder farmers in developing countries. The policy is available at the CGIAR website<sup>2</sup> and will apply as amended from time to time.
- c) Publications: The Parties agree that the results of the activities undertaken under this Project shall be published with due credit to all contributors and, at the same time, publishing party shall be entirely responsible for the conclusion and interpretations reported.
- d) Data Sharing. The Partner Institution shall provide all data generated and compiled as a result of activities under this Agreement to ICRISAT. The contribution of Partner Institution shall be appropriately acknowledged. All data collected under this Agreement shall belong to ICRISAT. The Partner Institution shall not use or share this data with any third party.
- e) The Parties shall hold in confidence all confidential information disclosed by one Party to the other. They agree not to disclose the information to third Parties, and only to relevant and

<sup>1</sup><https://cgispace.cgiar.org/bitstream/handle/10947/4486/CGIAR%20IA%20Principles.pdf?sequence=1>

<sup>2</sup> <http://library.cgiar.org/bitstream/handle/10947/2875/CGIAR%20OA%20Policy%20-%20October%202013%20-%20Approved%20by%20Consortium%20Board.pdf?sequence=1>

disclose such information to individuals within the Party's corporation that are directly involved with the project, on a need to know basis.

- 2) Any germplasm transfer from ICRISAT under this Agreement shall be through the Standard Material Transfer Agreement (SMTA) approved by the Governing Body of the International Treaty on Plant Genetic Resources for Food and Agriculture (ITPGRFA) and ICRISAT's Material Transfer Agreement (MTA) for ICRISAT-developed materials.

#### 4. Notices

Any notice or other communication in connection with this Agreement to be in writing in the English language by or on behalf of the Party giving it and shall be addressed to the following contacts:

#### *ICRISAT:*

**Dr Ashok Kumar Are**

Principal Scientist and Product Placement Lead –Asia  
ICRISAT, Patancheru. 502324, Telangana State, India.  
Cell: 9000414124. Email: [a.ashokkumar@cgiar.org](mailto:a.ashokkumar@cgiar.org)

**Dr Prakash Gangashetty**

Scientist, Pigeon pea Breeding & In charge Sorghum breeding  
ICRISAT, Patancheru. 502324, Telangana State, India.  
Cell: 9449330444. Email: [P.Gangashetty@cgiar.org](mailto:P.Gangashetty@cgiar.org)

#### *Partner Institution:*

**Sorghum:**

**Dr M Yasin**

Principal Scientist (Plant Breeding)  
R.A.K. College of Agriculture, RVSKVV  
Sehore 466 001, Madhya Pradesh  
Phone: +91-9406517978  
Email: [myasin23@gmail.com](mailto:myasin23@gmail.com)

**Pigeon pea:**

**Dr. A. K Mishra**

I/c Pigeonpea (Breeder)  
ACRIP Pigeonpea  
RVSKVV, RAK College of Agriculture  
Sehore, M.P.466001  
Mobile No. 9425488220, [anil1961.mishra@gmail.com](mailto:anil1961.mishra@gmail.com)

#### 5. Anti-Fraud and Anti-Corruption Compliance

Partner Institution represents and warrants to ICRISAT that:

- a) neither the Partner Institution nor its subsidiary has any material interest in any matter which conflict substantially, or appear to conflict substantially, in its association with ICRISAT. Partner Institution agrees that, if during the term of this Agreement, it becomes aware that its continued association would conflict with interest of ICRISAT, it will notify the same to ICRISAT immediately in writing;
- b) neither the Partner Institution nor any of its directors, key officers, or representatives has a close family relationship (i.e., parent, child, sibling, or spouse) with key official of ICRISAT. Partner Institution agrees to notify ICRISAT if any such close family relationships arise during the term of this Agreement;
- c) Partner Institution agrees that its association with ICRISAT under this Agreement will be in full compliance with all anti-corruption laws and regulations as applicable to the respective jurisdictions of the parties. Accordingly, Partner Institution agrees that in connection with its activities under this Agreement, neither Partner Institution nor any agent, affiliate, employee, sub-contractor, or other person acting on its behalf will offer, promise, give, or authorize the giving of anything of value, or offer, promise, make, or authorize the making of any bribe, rebate, payoff, gifts, hospitality, influence payment, facilitation payment, kickback, or other unlawful payment, to any ICRISAT official in order to gain any unfair advantage or to influence any act or decision of ICRISAT official. Partner Institution further agrees that the arrangements and payments provided under this Agreement shall not be used for the personal benefit or enrichment of any ICRISAT official. Partner Institution agrees to assist and cooperate in any investigations related to activities performed and/or payments received under this Agreement;
- d) Partner Institution has fully complied with all applicable anti-money laundering laws and regulations;
- e) Partner Institution agrees that in case it decides to offer sub-contract (including consultants) in connection with this Agreement, Partner Institution shall apply all the conditions related to Anti-Fraud and Anti-Corruption compliance as mentioned in this agreement with the sub-contractor in a written form.

## 9. Modification and Termination

- a) This Agreement may be amended, modified, altered, revised, extended or renewed by mutual written agreement between the Parties.
- b) Either party may terminate this Agreement upon giving 30 days' prior written notice to the other. Upon such termination Partner Institution shall promptly return unspent funds to ICRISAT and within 30 days submit to ICRISAT a final Financial Report and technical report on activities performed before termination.
- c) This Partner Sub-Grant Agreement will terminate at the end of duration of this Agreement i.e. 30 November 2021 unless otherwise extended through a signed communication/ amendment to this Agreement.
- d) The ICRISAT may modify, suspend, or discontinue any payment of Grant Funds or terminate this Agreement with notice if: (i) the ICRISAT is not reasonably satisfied with the Partner

Institution progress on the Project; (ii) there are significant changes to partner's leadership or other factors that the ICRISAT and reasonably believes may threaten the Project's success; (iii) the Donor stops or substantially reduces the amount of Grant; or (iv) the Partner Institution fail to comply with this Agreement. The ICRISAT will notify the Partner Institution of its concerns and provide the Partner Institution with a reasonable period of time to address them.

#### 10. Miscellaneous

- a) The Partner Institution will not use funds provided under this Agreement, directly or indirectly, in support of activities (a) prohibited by laws of republic of India; (b) political or lobbying activities; or (c) election for public office or to carry on any voter registration drive.
- b) In carrying out the Project, the Partner Institution will comply with all applicable laws, regulations, and rules and will not infringe, misappropriate, or violate the intellectual property, privacy, or publicity rights of any third party.
- c) The Partner Institution undertakes to abide by all terms and conditions applicable to Sub-Grants under the Grant Agreement and accepts to provide full cooperation to the ICRISAT in technical and financial evaluation and reporting to the Donor.
- d) The Partner Institution will maintain insurance coverage, at its own cost, sufficient to cover all liabilities arising out of its activities, or risks, or otherwise coverage for its staff and property and potential omissions of the Project in accordance with generally-accepted industry standards and as required by law. The Partner Institution will ensure subcontractors maintain insurance coverage consistent with this section. The ICRISAT or the Donor shall not bear any liability whatsoever for Partner Institution's activities, operations, staff and property.
- e) The Partner Institution agrees to defend, indemnify and hold ICRISAT and its employees, directors and officers harmless for any and all claims, losses, due to breach of contract on account of any negligent act or omission, any breach of its obligations provided in this Agreement or any violation of applicable law, rule or regulation by Partner Institution or its agents during and after the term of the Agreement.
- f) The Parties acknowledge and agree that nothing in this Agreement shall be deemed to constitute a teaming agreement, legal partnership, joint venture, agency relationship or otherwise between the Parties.
- g) Each provision of this Agreement must be interpreted in a way that is enforceable under applicable law. If any provision is held unenforceable, the rest of the Agreement will remain in effect.
- h) The Partner Institution shall not assign or sub-contract the Partner Institution's rights and obligations under this Agreement.
- i) Any dispute, controversy or claim arising out of or in relation to this Agreement, or the breach, termination or invalidity thereof, shall be settled amicably by negotiation between the Parties. In the event that such negotiation is unsuccessful, either Party may submit the dispute to arbitration in Hyderabad, India. The arbitration will be carried out in accordance with the

provisions of Indian Arbitration and Conciliation Act of 1996, or of any modifications or re-enactments thereof. The arbitral award will be final and binding, subject to legal remedies available under the law. The Arbitration proceedings shall be held in ENGLISH language at Hyderabad, India. The cost of arbitration shall be decided by the arbitration award.

- j) This agreement shall be governed by, construed, and enforced in accordance with the prevailing laws of India, and the parties hereto hereby submit to the sole and exclusive jurisdiction of courts of Hyderabad in India. It is understood and agreed that the provisions of this paragraph shall not constitute nor imply the waiver by ICRISAT of its privileges and immunities.

The representatives of the agreeing Parties duly authorized sign this Partner Sub-Grant Agreement on the dates indicated below. Further signatory to this Agreement represents and warrants that they have all necessary authority and power to enter into this Agreement and perform its obligations hereunder.

ICRISAT

RVSKVV



Dr. Arvind Kumar  
Deputy Director General-Research

Date: 07 October 2021



~~Dr. P. H. Ranade~~ Dr. P. H. Ranade  
Director of Research  
Director Research Services  
R.V.S.K.V.V., Gwalior (M.P.) 474002

Date:

## Work plan for RVSKVV, Gwalior

S. No	Activity	Time lines
1	Conduct of preliminary yield testing of materials as per trial guidelines in rainy season 2021	November 2021

RE: Consent to enroll the student for doing PhD work in Co-guide system-reg

From: Sawargaonkar, Gajanan L (ICRISAT-IN) (g.sawargaonkar@cgiar.org)  
 To: aicrp\_wcgwl@yahoo.in  
 Cc: m.jat@cgiar.org, drvarshagupta11@gmail.com, k.garg@cgiar.org, dsreenath@cgiar.org, sramesh@i  
 Date: Saturday, 3 December, 2022, 11:16 am IST

Dear Dr Sasode,

Thanks for your mail. We had a brief meeting with Mr Ankit, basically to understand about his education and also to know about his inspiration behind working with ICRISAT for Ph D research work. I hereby give and would also like to include my colleague Dr Kaushal K Garg, Senior Scientist (NRM) as second co-chair committee. This request is also looking at the nature of work planned during this rabi season at ICRISAT - c is NRM based. Kindly arrange to share an email along with Mr Ankit's latest resume so that we could initiate boarding through our LSU.

Looking forward to receive the updates on the next process from university side please,

With regards

Dr. Gajanan Sawargaonkar

Senior Scientist (Agronomy)  
 ICRISAT Development Center,  
 Global RP on Resilient Farm and Food Systems



Awarded the  
 Africa Food Prize 2021

Save lives of your family and colleagues



Wear mask at  
 workplace  
 and in groups



Maintain  
 physical  
 distance



Sanitize  
 hands  
 frequently



Keep hands  
 away from  
 your face

Phone: +91 845568 3438 | Fax: +91 845568 3074 and +91 845568 3075

Skype: gsawargaonkar

From: AICRP-WM Gwalior <aicrp\_wcgwl@yahoo.in>  
 Sent: Saturday, December 3, 2022 10:17 AM  
 To: Sawargaonkar, Gajanan L (ICRISAT-IN) <G.Sawargaonkar@cgiar.org>  
 Cc: Dr. Varsha Gupta <drvarshagupta11@gmail.com>  
 Subject: Consent to enroll the student for doing PhD work in Co-guide system-reg

Dear Dr. Sawargaonkar,

In response to my earlier mail regarding association with ICRISAT, Hyderabad for research work, you have taken interview of our student Mr. Ankit for Ph D research work at ICRISAT Hyderabad. Kindly give your comments/feedback so that we can go further in this way. If you want to associate one more scientist from your center in the committee, please write a mail in this regard. The committee will be approved by the Director Instructions, RVSKVV.

# Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya,

Raja Pancham Singh Marg, Behind LNUPE Gwalior - 474002 (M.P.), India



Dr. S.P.S. Tomar  
Director Instructions

Tel: 0751-2970517 (O)  
Mob: No: 9826639230  
E-mail: [di@rvskvv.net](mailto:di@rvskvv.net)  
Website: [www.rvskvv.net](http://www.rvskvv.net)

Dated: 11.07.2022

No. DI/Adv. Comm./2022/1047

## ORDER

The following advisory committee is hereby approved for following Ph.D. students of (year 2021-2022 & 2022-2023) Department of Agronomy, College of Agriculture, Gwalior (M.P.).

S.No.	Name of the Students	Chairman	Member of Advisory Committee
1	Alpana Kumhare	Dr. D.S. Sasode	Dr. V.K. Choudhary, Co- Advisor Dr. Varsha Gupta Dr. Shashi Singh Yadav Dr. V.B. Singh
2	Ankit Kumar Shridhar	Dr. Varsha Gupta	Dr. S.P. Singh - Co- Advisor Dr. Ekta Joshi Dr. S.K. Trivedi Dr. V.B. Singh
3	Raghav Patel	Dr. S.S. Bhadauriya	Dr. Janmejay Sharma Dr. Nisha Singh Dr. Shashi Singh Dr. V.B. Singh
4	Richa Singh	Dr. Ekta Joshi	Dr. S.P. Singh, Co-Advisor Dr. D.S. Sasode Dr. Shashi Singh Yadav Dr. V.B. Singh
5	Sandeepna Sharma	Dr. Nisha Singh	Dr. S.S. Bhadauriya Dr. Varsha Gupta Dr. S.K. Trivedi Dr. V.B. Singh
6	Sonali Singh	Dr. Ekta Joshi	Dr. P.K. Mukherjee Co-Advisor Dr. D.S. Sasode Dr. Shashi Singh Yadav Dr. V.B. Singh

*V.K. Choudhary DWR, Jabalpur*  
*19/7/22*

*[Signature]*  
Director Instructions  
Dated: 11.07.2022

- Endt. No. DI/ Advisory Committee/2022/1047
1. The Registrar, RVSKVV, Gwalior.
  2. The Dean, College of Agriculture, Gwalior.
  3. Head of the Department of Agronomy, COA, Gwalior.
  4. Guard file.

*[Signature]*  
Director Instructions





मध्य प्रदेश MADHYA PRADESH

BP 708976

MEMORANDUM OF UNDERSTANDING BETWEEN

Tropical Forest Research Institute

And

Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya (RVSKVV), Gwalior

For facilitating academic and Research

This Memorandum of Understanding (herein after referred to as MoU) is made on 29<sup>th</sup> day November month 2021 by and between the Tropical Forest Research Institute (TFRI), Jabalpur (First Party), on the one part and the Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya (RVSKVV), Gwalior (herein after called second party) on the other part who for the purpose of this MoU are herein after collectively referred to as the parties.

The parties, having discussed fields of common research interests and allied activities between the two institutions, have decided to enter in to collaboration for promotion of basic and advance research in subject of Forestry, Botany, Zoology, Environment Science, Agriculture and other allied subjects.

WHEREAS the "First Party" is involved in the research activities in applied research programs, capacity building and knowledge sharing on forest, biodiversity conservation, ecosystem, climate change vulnerability, climate change mitigation and adaptation and livelihood of forest dependent communities.

WHEREAS the "Second Party" is involved in teaching, extension and basic and advanced research in various branches of agriculture, horticulture, forestry, agricultural engineering and allied sciences.

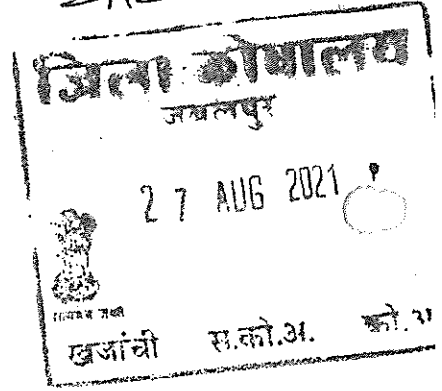
WHEREAS it has been considered expedient to agree in writing to participate jointly in the projects requiring expertise and logistics from both the parties.

3131  
609  
2011-2021

श्री लक्ष्मी जी का शुभ भ्रम  
श्री २ नदी का शुभ भ्रम  
7271 8612 4509

श्री लक्ष्मी जी का शुभ भ्रम  
श्री २ नदी का शुभ भ्रम  
श्री लक्ष्मी जी का शुभ भ्रम

Aachish



## Background

This MoU sets for the terms and understanding between the Tropical Forest Research Institute (TFRI) Mandla Road, Jabalpur, Madhya Pradesh- 482021) and Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya (RVSKVV), Raja Pancham Singh Marg Gwalior (M.P.)- 474002 to collaborate in basic, applied and curricular research programs, various aspects of teaching of different degree programmes, organizing joint seminars, conferences, workshops and sharing research projects and publications.

## PREAMBLE

Whereas, Tropical Forest Research Institute established in April 1987, is a research institute focusing its research activities in the fields of forestry research and biodiversity conservation in Central Indian states viz., Madhya Pradesh, Chhattisgarh and Maharashtra. It has strength in not only identifying and articulating intellectual challenges straddling a number of disciplines of knowledge but also in mounting research, training and demonstration projects leading to development of specific problem based advanced technologies that help carry benefits to society at large.

Whereas, under an Act of Madhya Pradesh Legislature passed in 1963, the University, Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya (RVSKVV), was established by transferring the then existing six Government Colleges of Agriculture and two Veterinary Sciences & Animal Husbandry and 26 Research Stations, on the pattern of Land grant College of USA to narrow down the gap between experts and farmers. With an integrated mandate of Teaching, Research and Extension the RVSKVV was inaugurated by the then Minister of Information & Broadcasting, Government of India on October 1st, 1964. At present, the University is serving 26 districts located in eastern part of Madhya Pradesh through its 05 constituent colleges, four Zonal, four Regional and four Agricultural Research Stations and 2 Krishi Vigyan Kendras with more than 40 All India Coordinated, GOI and ad hoc research projects. It has many states of art research facilities along with experienced scientists in various branches.

Tropical Forest Research Institute and Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya have agreed to collaborate with the following general provisions and terms:

### Article 1: Objective

Providing a general framework for long term collaboration and mutual understanding in areas of mutual interest, pertaining to develop tropical ecosystem, collaboration in education and publication between Tropical Forest Research Institute and Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya.

### Article 2: Scope of Collaboration

Subject to terms, this MoU signed by authorized representatives of each party, the parties hereby agree to cooperate as follows:

To offer collaboration as felt desirable and feasible on either side, and both sides would contribute to the fostering and development of the cooperative relationship between respective organization on identified areas of research and education.

### Article 3: Scope of MoU

The scope of collaboration of this Memorandum includes the following:

- Research collaboration in the areas of mutual interest, particularly those pertaining to various fields of agriculture, horticulture, forestry, agricultural engineering and other allied subjects.
- Organizing joint seminars, webinars, conferences, training and workshops.

2

निदेशक  
Director  
Tropical Forest Research Insti  
Jabalpur (M.P.)

- Joint research projects and publications.
- Exchange of research scholars/faculties for research collaboration and capacity building programmes.
- Internship and curricular research opportunities at Tropical Forest Research institute, Jabalpur for the students of Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya (RVSKVV), as per ICFRE norms.

#### Article 4: Management

Director of the First Party and Director Instruction of the Institution of the second party will be responsible to workout operational details of co-operation between the two organizations and ensure proper and effective implementation of this MoU. An Advisory Committee involving statutory officers, scientists and teachers from both the parties will be constituted to implement and review the activities.

The Advisory Committee will meet at least once in a year alternatively in the institutions of the first party and second party to review the activities. This meeting shall include presentation on the academic and research activities, which should be open to the scientists, faculty and students.

#### Article 5: Implementation

To implement this Memorandum, the following is mutually understood and agreed:

- Two nominees from each institution will constitute a Joint Coordination Committee to oversee collaboration between two parties.
- Each institution will nominate one of its expert members as its representative in charge of any cooperative program on each identified thematic area.
- Proposals for collaborative research work under this Memorandum will be submitted through the normal procedures of each institution.
- Individual projects/programmes of research work developed under this memorandum and/ or capacity building programmes will be subject of individual agreements in writing clearly spell out commitments and liabilities of both the parties and where appropriate will be jointly developed and executed by the nominees of both the parties.
- Each party will ensure appropriate protection of Intellectual Property Rights generated from cooperative pursuant to MoU, consistent with laws, rules and regulations of India.
- Progress of work of any individual collaborative research project/programme will be reviewed and approved by designated project officers of both parties, in accordance with its individual agreement.
- The final approval of any collaborative research project/programme will depend on the availability of the guaranteed support funds.
- Neither Tropical Forest Research institute, Jabalpur nor Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya (RVSKVV), Gwalior will be held responsible for any liability, and shall be required to purchase any insurance against loss or damage to any personal/ institutional property to which this Memorandum relates.
- Research instrumentation facility and library facilities available with the first party and second party will be made available to the scientist, faculties and research scholars. However, the costs of specific consumable or running cost of machines will be borne by the respective organizations that will be using the facilities of the other party as per the guidelines of the institute where facilities are utilized.
- The use of scientific equipments by either of parties will be allowed by either side on the realization of charges in vogue. However, owing to signing of this MoU there will not be any financial implications on the part of either party.

निदेशक  
Director  
उष्ण कटिबंधीय वन अनुसंधान संस्थान  
Tropical Forest Research Institute  
जबलपुर (म. प्र.)/Jabalpur (M. P.)

- Both the parties will support the project work and dissertation work of Students in terms of providing infrastructural and practical facilities as per guidelines of the party where facilities are utilized.
- There shall be an exchange of scientists, faculty and students for academic research and training purposes. Wherever possible as per extent fee.
- Both parties understand that all financial agreement will have to be negotiated separately and will depend on availability of funds.

#### Article 6: Publication of Research Articles

- Authorship in any research publication arising from thesis research work will be with the first authorship of the student involved followed by contributors in agreement with all involved.
- An Authorship in any research publication arising from research work other than curricular research will be with the senior authorship of the Principal Investigator followed by Co- Principal Investigator and contributors.
- Faculty members from the First Party will act as the co-advisor (co-supervisor) and the major advisor (supervisor) will be from the Second party in case a student is registered as a Master/ PhD scholar with the Second Party. A co-advisor (supervisor) from the first party will be approved by the Director Instruction of RVSKVV. A copy of such thesis / dissertation will be submitted to both the parties after award of the degree by the party where student is registered for degree programme.

#### Article 7: Intellectual Property Rights (IPR)

The parties sign an Intellectual Property Rights (IPR) document in order to secure rights when it comes to research results and publications.

- The ICAR Guidelines for Intellectual Property Management and Technology Transfer / Commercialization" as amended from time to time shall be referenced for exploitation of the generated intellectual property, whose management and benefits sharing shall be divided in each case.
- In case of inventions generated from thesis, student will be the senior inventor with contributors from both the institutes.
- In case of inventions/ technologies generated from project research work, institute with Principal Investigator will be the first inventor and institute of Co- Principal Investigator will be the second inventor.

#### Article 8: Limitations of Personnel Activities

The parties shall ensure that any personnel engaged in the activities and/or programs under this MoU shall not interfere with the internal political independence, sovereignty and territorial integrity of the latter, any commercial ventures, and avoid any activities outside the aims of this MoU unless separate written arrangement.

#### Article 9: Confidential Information

Each part's rights, title, interest in its confidential information remains unaffected by the existence of this MoU.

- Neither party is obliged to disclose any confidential information to the other party pursuant to this MoU and each party undertake to observe confidentiality and secrecy of any information and other data received from the other party, and any outputs jointly obtained, except as mutually consented to in writing by the other party, during the period of the implementation of activities under this MoU or any arrangement made pursuant to this MoU.

Director  
Tropical Forest Research Institute  
Raipur (C. A.) Jabalpur (M. P.)

- Any disclosure or exchange of confidential information will be covered in separate subsidiary arrangements.

**Article 10: Commencement, renewal, termination and amendment**

This Memorandum is effective as of the date of execution by the later of the appropriate officers of each signatory institution to sign. This Memorandum shall remain in force for a period of five (5) years from the date of signing, with the understanding that it may be terminated by either party giving at least three months notice to the other party in writing. This Memorandum may be extended by mutual consent in writing of the two parties.

**Article 11: Dispute Settlement**

Any dispute, controversy or differences as to the interpretation of this MoU will be settled amicably by mutual consent between the Parties.

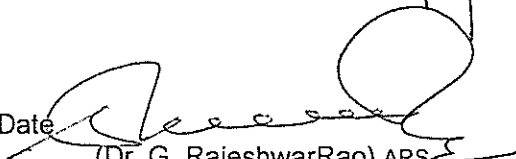
**Article 12: Validity of MoU**


This MoU shall enter into force on the date of the completion of the signing by the parties. It shall remain in force the duration of 5 (five) years from the date of signing of this MoU and may be extended by mutual written agreement of the parties.

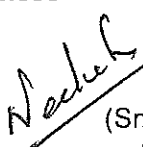
Either party may terminate this MoU at any time by notifying the other party of its intention to terminate this MoU in writing.


Unless agreed otherwise by the parties, the termination of this MoU shall not affect the validity and duration of any ongoing arrangement, activity and contract made under the MoU until the completion of such arrangement, activity and contract.


In WITNESS WHEREOF of the undersigned, duly authorized thereto, have signed this MoU done at TFRI on the 29/11/21 2021 in two originals.

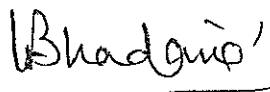
Date   
 (Dr. G. Rajeshwar Rao) ARS  
 Director, TFRI  
 Jabalpur (MP) 29/11/21  
 दिनांक

Date   
 (Dr. A.K. Singh)  
 Director Instruction  
 RVSKVV, Gwalior (MP)

Witness   
 (Smt. Neelu Singh)  
 Scientist-G &  
 Group Co-ordinator (Research)  
 TFRI, Jabalpur (MP)  
 उत्तम कृषि-वैज्ञानिक एवं अनुसंधान संस्थान  
 Tropical Forest Research Institute  
 जबलपुर (म.प्र.)/Jabalpur (M.P.)

  
 (Dr. D.H. Ranade)  
 Dean  
 Faculty of Agriculture  
 RVSKVV, Gwalior (MP)

  
 (Dr. Fatima Shirin)  
 Scientist-G  
 Head,  
 Genetics & Tree Improvement Division  
 TFRI, Jabalpur (MP)

  
 (Dr. U.P.S. Badoria) BHADURIA  
 Director  
 Extension Services  
 RVSKVV, Gwalior (MP)



Dr. S.K. Sharma  
Director Research Service

**DIRECTORATE OF RESEARCH SERVICES**  
**Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya,**  
2<sup>nd</sup> Floor, Administrative Block, Raja Pancham Singh Marg, Gwalior(MP)- 474002

Ph.No.0751-2970509  
Email-drs@rvskvv.net

No./DRS/ICRISAT/2022/ 2235

Date: 10-01-2022

To,

Dr. Ashok Kumar, Are  
Principal Scientist & Product Placement Lead-Asia,  
Research Program – Accelerated Crop Improvement  
Email: A.AshokKumar@cgiar.org

Subject : Partner sub-grant agreement between RVSKVV, Gwalior(MP) and ICRISAT.

Reference: Your email dated 29.12.2021

Please find attached herewith duly signed copy of agreement between RVSKVV, Gwalior(MP) and ICRISAT and account no. information for your record and further processing please.

With regards.

*MLLLO*  
10/1/2022  
Director Research Services  
Date: 10-01-2022

No. /DRS/ ICRISAT /2022/ 2236

CC: for information and necessary action to-

1. Dean, College of Agriculture Sehore.
2. Dr. M. Yasin, professor CoA, Sehore.
3. Dr. Anil, G (ICRISAT-IN).
4. Dr. Jayavardhan, Kasha (ICRISAT-IN).
5. P.S. to Hon'ble Vice Chancellor, RVSKVV, Gwalior.

*MLLLO*  
10/1/2022  
Director Research Services

## Amendment No.1 to the Partner Sub Grant Agreement

between

The International Crops Research Institute for the Semi-Arid Tropics (ICRISAT)

and

Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya (RVSKVV)

ICRISAT and RVSKVV have entered into a Partner Sub Grant Agreement on 07 October 2021 (hereinafter referred to as the "Agreement") for conducting the "Multilocation testing of pigeon pea and sorghum" project.

This Amendment Agreement hereby modifies and supplements the above mentioned Agreement.

ICRISAT and RVSKVV now desire in accordance with Clause 9 of the "Agreement" to modify and supplement the "Agreement" through this Amendment with respect to certain terms, but in all other respects, the "Agreement" shall continue in full force and effect.

ICRISAT and RVSKVV agree to the following modifications to the "Agreement":

### A. Clause 3. Duration of the Agreement

The duration of the Agreement is extended for another 4 months i.e. till 31 March 2022. The effective date of this Amendment is 01 December 2021.

### B. Clause 4. Grant Amount and Disbursement

- a) ICRISAT will make available to the Partner Institution additional grant funding maximum up to INR 40,500 (Indian Rupees Forty Thousand Five Hundred only) inclusive of applicable taxes, if any for the activities mentioned in Annex – 1A to this Amendment. In this INR 22,500 (Indian Rupees Twenty Two Thousand Five Hundred only) to be used for Pigeon pea trialling and another INR 18,000 (Indian Rupees Eighteen Thousand only) to be used for Sorghum trialling at RAK College of Agriculture, Sehore under the RVSKVV, Gwalior.
- b) The excess expenses will be the sole responsibility of the Partner Institution. No reimbursements will be made for costs incurred in excess of the grant amount.

Disbursement details	Budget
1 <sup>st</sup> Instalment (Upon signing of this Amendment Agreement) and an Invoice/request for funds with banking details	70% of the budget
15 <sup>th</sup> April 2022 (Annual technical and financial reports), 100% Utilization certificate (UC)/ Liquidation for total approved fund and an Invoice/request for funds	30% of the budget

- c) The approved budget and fund disbursement is subject to revisions through Amendment to this Agreement based on funding confirmation and receipt of funds from the Donor.

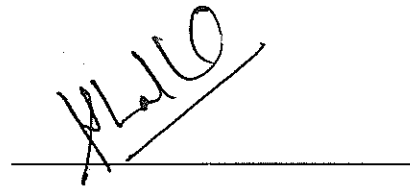



- C. The provisions of this amendment to the "Agreement" will be applicable from date of full execution of the Amendment and shall be co terminus with the "Agreement".
- D. This Amendment shall be an integral part of the above-referenced Agreement and shall hereinafter be collectively read and interpreted.
- E. All other terms and conditions of the Partner Sub Grant Agreement shall remain same and effective.

IN WITNESS WHEREOF, the Parties have caused this Amendment Agreement to be executed by and through their duly authorized representatives as of the date first written above.

ICRISAT

RVSKVV



Dr Arvind Kumar  
Deputy Director General-Research

**DIRECTOR RESEARCH SERVICES**  
Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya  
Gwalior - 474002 - M.P. India

Date: 29 December 2021

## Work plan for RVSKVV

S. No	Activity	Time lines
1	Conducting of preliminary yield testing of materials as per trial guidelines in postrainy season 2022	15 March 2022
2	Sharing of data/ UC/Final report with ICRISAT	15 April 2022

GRANT RELEASE REQUEST LETTER

To

Inv No:

Date:

Kind Attn:

Particulars

Amount - INR

Project Title: \_\_\_\_\_

Remarks: \_\_\_\_\_

Amount in Words: -

**Bank Account Details**

Account Name : *Comptroller, RVSKVV Inwalior*

Account Number : *30500576719*

Type of Account : *Current*

Bank Name : *State Bank of India*

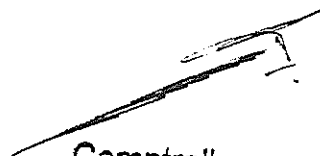
IFSC Code : *SBIN0002875*

Branch code : *2875*

MICR Code : *474002007*

Purpose :

Contact Details :

  
Comptroller  
R. V. S. K. V. V. Inwalior  
Finance Head



**DIRECTORATE OF RESEARCH SERVICES**  
**Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya,**

2<sup>nd</sup> Floor, Administrative Block, Raja Pancham Singh Marg, Gwalior (MP)- 474002

Dr. S.K. Sharma

Director Research Service

Ph.No.0751-2970509

Email-drs@rvskvv.net

No./DRS/Bioversity/2022/2200

Date: 05-01-2022

To,

**Dsouza, Sonal,**  
**(Alliance Bioversity-CIAT),**  
**G-1 B-Block, NASC Complex,**  
**DPS Marg, Pusa Campus, New Delhi-110012, India.**

Subject: Amendment of Agreement between Alliance Bioversity-CIAT New Delhi and Rajmata Vijayaraje Scindia Krishi Vishwa vidyalaya (RVSKVV), Gwalior(MP).


Please find attached herewith duly signed copy of amended agreement between Alliance Bioversity-CIAT, G-1 B-Block, NASC Complex, DPS Marg, Pusa Campus, New Delhi-110012, India and Rajmata Vijayaraje Scindia Krishi Vishwa vidyalaya (RVSKVV), Gwalior(MP) for your record and further processing please.


With regards.

No./DRS/Bioversity/2022/2201

CC: for information and necessary action to-

1. Dr. M. Yasin, professor CoA, Sehore.
2. P.S. to Hon'ble Vice Chancellor, RVSKVV, Gwalior.

  
Director Research Services  
Date: 05-01-2022

  
Director Research Services  
Date: 05-01-2022

Sub-grant Title: Mainstreaming agricultural biodiversity conservation and utilization in agricultural sector to ensure ecosystem services and reduce vulnerability

Sub-grant No L21DEL132 Amendment No.1

**Amendment N° 1 to the Sub-Agreement N° L21DEL132**

FOR THE SUB-GRANT

**"Mainstreaming agricultural biodiversity conservation and utilization in agricultural sector to ensure ecosystem services and reduce vulnerability"**

BETWEEN

**Biodiversity International**  
**Via di San Domenico, 1 , 00153, Rome, Italy**  
(Hereinafter referred to as "The Organization")

AND

**Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya (RVSKV), Gwalior**  
(Hereinafter referred to as "Implementing Partner")

WHEREAS:

- Pursuant to article 10 of the General Terms and Condition annexed to the above referenced Agreement, The Organization and the Implementing Partner may, by their written and mutual consent, amend its provisions;
- The Organization and the Implementing Partner wish to amend the Agreement through a:

No-Cost Extension	<input checked="" type="checkbox"/>	With-Cost Extension	<input type="checkbox"/>
Budget Revision	<input type="checkbox"/>	Other Modification	<input type="checkbox"/>

The Organization and the Implementing Partner hereby agree to modify the Agreement as follows

Article 4.1 of the Specific Terms and Conditions is replaced by the below text "4.1 This Agreement will be in force from **1 April 2021** until **31 December 2021** (hereinafter referred to as "Period of Performance"), as outlined in Annex 2".

1. In addition to the above, the following Annexes to the Agreement are replaced by the revised versions attached to this Amendment:

Sub-grant Title: Mainstreaming agricultural biodiversity conservation and utilization in agricultural sector to ensure ecosystem services and reduce vulnerability

Sub-grant No L21DEL132 Amendment No.1

- Annex 2 – Scope of Work
- Annex 3 – Schedule of Reporting and Disbursements
- Annex 4 – Budget
- Annex 5 – Cover sheet for Technical Reports

This Amendment is incorporated by reference into the Agreement. Except as modified by this Amendment, all other provisions of the Agreement shall remain in full force and effect.

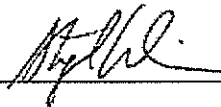
The Implementing Partner hereby acknowledges receipt of a copy of this Amendment. By signing below, the Implementing Partner accepts all agreed modifications to the Agreement and all unchanged terms and provisions.

Receipt by The Organization of acceptance in writing of these terms and conditions, will constitute an integral part of the Agreement.

For and on behalf of The Organization:

Date: \_\_\_\_\_

Stephan Weise, Managing Director for Asia  
Signature \_\_\_\_\_



For and on behalf of the Implementing Partner:

M P Jain, Director Research Services  
Signature \_\_\_\_\_

Date: \_\_\_\_\_

  
**DIRECTOR RESEARCH SERVICES**  
Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya  
Gwalior - 474002 - M.P. India

Sub-grant Title: Mainstreaming agricultural biodiversity conservation and utilization in agricultural sector to ensure ecosystem services and reduce vulnerability

Sub-grant No L21DEL132 Amendment No.1

## Annex 3

# Schedule of Reporting and Disbursements

### 1. Schedule of reporting

No.	Report	Reporting Period	Submission by
1	First Technical and First Financial Report <i>(for the financial report a detailed transaction list of expenditures is required)</i>	<i>1 April 2021–30 June 2021</i>	<b>July 15, 2021</b>
2	Final Technical and Final Financial Report <i>(for the financial report a detailed transaction list of expenditures is required)</i>	<i>Entire implementation period</i>	<b>January 15, 2022</b>

### 2. Schedule of Disbursements

No.	Disbursement Amounts	Conditions for Payment
1	USD 4,200	Paid
2	USD 3,360	Approval of Technical and Financial Report due on July 15, 2021, detailing the spending of at least 80% of previous instalment
3	USD 840	Approval of Final Technical and Financial Report due on 15 January 2022



Sub-Agreement N° L21DEL132

This Sub-Agreement ("Agreement" hereinafter) is established on 1 April 2021

BETWEEN

Bioversity International,

Via dei Tre Denari, 472/A, 02054 Maccarese (Fiumicino), Italy

(Hereinafter referred to as "the Organization")

AND

Rajmata Vijayaraje Shinde Kishor Mithwa Vidyalaya (RVSKV), Gwalior

(Hereinafter referred to as "Implementing Partner")

The Agreement is composed of the following binding documents that form and integral part of this agreement:

The present Letter of Agreement

Annex 1 – General Terms and Conditions

Annex 2 - Scope of Work

Annex 3 – Schedule of Reporting and Disbursements

Annex 4 – Budget and Financial Reporting Templates

Annex 5 – Cover sheet for Technical Reports

Annex 6 – Agreement with the funder

WHEREAS:

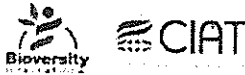
The Organization has entered into an agreement with the UNEP-GEF ("Funder") to implement activities as Lead Institution for the entitled project ***"Mainstreaming agricultural biodiversity conservation and utilization in agricultural sectors to ensure ecosystem services and reduce vulnerability."***

The Organization is part of the Alliance of Bioversity and CIAT through the Partnership Agreement between the two international Centers, in force since January 1, 2020, having a director general and a common board of trustees as part of its governance structure. The Alliance delivers research-based solutions that harness agricultural biodiversity and sustainably transform food systems to improve people's lives. Alliance solutions address the global crises of malnutrition, climate change, biodiversity loss, and environmental degradation. The Alliance is part of CGIAR, a global Implementing Partnership for a food-secure future.

Implementing Partner has the facilities and skilled personnel necessary to pursue the objectives and fulfill the requirements of this Agreement.

This Agreement shall exist when this document has been signed by duly authorized representatives of the parties.





## Sub-Agreement N° L21DEL132

THEREFORE, the Organization and the Implementing Partner (referred collectively as the "Parties") hereby agree to the following terms and conditions.

## Specific Terms of the Sub-Agreement

### 1. Scope of Work and Agreement with the Funder

- 1.1. The Implementing Partner agrees to perform the activities detailed in the Scope of Work (Annex 2) in relation to, and with funding from, the following grant/agreement: **A1265 - Mainstreaming agricultural biodiversity conservation and utilization in agricultural sectors to ensure ecosystem services and reduce vulnerability (Annex 6)**. The Implementing Partner will not use the project funds for any other purpose, except by express written permission from the Organization. This project funding is subject to the availability of funds from the Funder.
- 1.2. All applicable provisions of the Agreement between the Organization and UNEP-GEF (the "Funder"), not specifically mentioned in this Agreement shall be binding upon the Implementing Partner, and the Implementing Partner hereby agrees to comply with the same. In the event of any conflict between the terms of this Agreement and the terms of the Main Agreement, then the terms of the Main Agreement with the Funder will prevail.

### 2. Responsibilities of the Implementing Partner

- 2.1 The Implementing Partner shall make reasonable endeavors to ensure the successful completion of the Project in accordance with the terms and conditions established in this Agreement.
- 2.2 The Implementing Partner shall carry out the activities and tasks outlined and mutually agreed as described in the Project. The Terms of Reference form an integral part of this Agreement.
- 2.3 The Implementing Partner is required to submit periodical technical and financial reports reporting the Implementing Partner's progress in achieving the purposes for which the project funding is provided and the expenditure of project funds to the Organization, as per conditions laid down in clause 5.
- 2.4 The Implementing Partner undertakes to perform the project activities according to the principles and procedures of due diligence, exercising care in the administration of the agreement, having due regard to economy and efficiency and the need to uphold the highest standards of integrity in the administration of funds.

### 3. Responsibilities of The Organization

- 3.1 The Organization will be the primary implementing agency for the Agreement with the funder and will retain ultimate responsibility for the completion of program work plans. Subject to release of funds by the Funder, the Organization will provide financial and technical oversight support as required, related to the implementation of the agreed Scope of Work and Budget. In exchange for performance in compliance with this Agreement and subject to receipt of funds from Funder, the Organization shall pay the Implementing Partner.
- 3.2 Implementing Partner shall not communicate directly with the Funder. All communications will be handled through the Organization.



## Sub-Agreement N° L21DEL132

#### 4. Timing

- 4.1. This Sub-Agreement will be in force from 1 April 2021 until 30 November 2021.
- 4.2. The activities and work subject to this agreement are required to occur during the period specified in art. 4.1 (hereinafter referred to as "Period of Performance"), as outlined in the Workplan in Annex 2.

#### 5. Budget

- 5.1 The Organization has approved a budget totaling USD 8,400 (Eight thousand four hundred). This is the full project cost over the period of 8 months. Details of the budget are set out in the annexed financial schedules (Annex 3) and initialed by the parties for identification.
- 5.2 Any variation between the amount budgeted and the actual expenditure that is exceeding 10% of the budgeted amount on the Budget line item, shall require a Budget revision to be approved in writing by . Budget variations are only allowed between direct costs Budget lines.
- 5.3 The Organization shall pay to the Implementing Partner a contribution in an amount not exceeding USD 2400 for performance of work as described in Annex 2. In no event, shall the Organization be liable for reimbursement of any cost that would result in cumulative payment under this agreement exceeding the total value as established in this clause, unless this agreement is modified in writing.
- 5.4 Funds disbursed by the Organization, but uncommitted by the Implementing Partner at the expiration or termination of the Agreement or not reported, shall be duly refunded to the Organization within sixty days from expiration or termination.

#### 6. Use of Agreement Funds

- 6.1 The Implementing Partner agrees to use agreement funds only for the Project in the manner described in the Scope of Work, attached as Annex 2, in accordance with the Budget, attached as Annex 3 subject to the terms and conditions of this Agreement.
- 6.2 **Costs Eligibility:** Costs will be considered eligible under this Sub-Agreement if they meet the below conditions:
- They are directly attributed to the purpose of the project;
  - They have been included in the budget;
  - They were incurred during the Period of performance as defined in Art. 3;
  - They comply with the requirements in the Agreement with the funder in Annex 6 and with the requirements of applicable legislation;
  - They are adequately supported by documentary evidence.
- 6.3 **Purchases of goods or services** will follow a transparent process satisfying at a minimum the below conditions:
- Ensure fairness, absence of corruption and conflicts of interest, integrity, and transparency through a competitive process;
  - Ensure non-discrimination and equal treatment of vendors;
  - Ensure that the award results in the best value for money and is properly documented.
- 6.4 **Assets Management:** All non expendable equipment purchased with funds transferred through this Agreement having a unit cost of over 1,000 US\$ and a useful life of more than one year are considered assets and must be recorded on an asset register and be properly insured with funds to be incorporated in the project budget. For items with a value below 1,000 US\$ the Implementing Partner should follow its organizational policy on inventory recording.



## Sub-Agreement N° L21DEL132

At the end of the Agreement, the Implementing Partner will seek the Organization's approval for proposed actions relating to the disposal of assets within one month from the end of this Agreement.

## 7. Other Terms and Conditions

- 7.1. The General Terms and Conditions (Annex 1) shall form an integral part of this Agreement and be binding among the Parties. In the event of any conflict between the Specific Terms of the Sub-Agreement and the General Terms and Condition, the Specific Terms of the Sub-Agreement will prevail.

## 8. Reporting

- 8.1 **Progress reporting:** The Implementing Partner agrees to submit technical reports in *English*. Reports are expected in PDF format unless otherwise specified in the Scope of Work, and according to the schedule set out in Annex 3. All reports should be prepared using the template given in Annex 4.
- 8.2 **Financial reporting:** The Implementing Partner agrees to provide the Organization with Statements of Expenditures attesting the relevant period's expenditures against approved budget line items, certifying that the funds have been spent for the agreed purposes. The Implementing Partner is required to use the designated reporting templates (Annex 4) and submit electronic copy of the Statement of Expenditures according to the schedule set in Annex 3.
- 8.3 Financial records must be available for inspection or formal audits at any time. This provision shall survive termination of this Agreement.

## 9. Payments

- 9.1 Under the terms of this Agreement, the Organization will provide the Implementing Partner with an amount not exceeding USD 8400.
- 9.2 Payments from the Organization to the Implementing Partner shall be made according to the schedule and conditions set forth in the Schedule of Reporting and Disbursements in Annex 3 and subject to the availability of funds from the Funder.
- 9.3 Payments by the Organization for the work described in the Scope of Work shall be made in USD. No additional funds will be added to this agreement to cover losses incurred as a result of currency exchange rate fluctuations.
- 9.4 The choice of the bank or financial institution is the sole responsibility of the Implementing Partner. Any changes to these banking details must be expressly and officially notified in writing in due time by Implementing Partner and acknowledged by the Organization. Accuracy is the responsibility of Implementing Partner. The Organization accepts no responsibility for delays or additional bank charges arising from incomplete or inaccurate banking details which are the responsibility of the Implementing Partner and do not justify additional claims.

## 10. Maintenance of Financial Records

- 10.1 The Implementing Partner shall keep accurate financial records and maintain supporting documentation showing the utilization of inputs and funds under this Agreement and any other



## Sub-Agreement N° L21DEL132

documentation related to the activities for a period of seven (7) years following termination or expiry of the Parent Grant Agreement, during which period the Organization, the Funder or their authorized representatives, including auditors, or a relevant authority, shall have the right, at any time, to conduct reviews and/or internal/external audits relating to any aspect of this Agreement. The Implementing Partner shall provide its full and timely cooperation with any such review or audit. Full and timely cooperation shall include, but not be limited to, making available employees or agents and granting to the Organization, the Funder or other authorized representatives, including auditors or relevant authority, access at reasonable times and conditions to the Implementing Partner's premises or other sites where documentation related to this Agreement is kept or activities related to this Agreement are carried out.

## 11. Return of funds

- 11.1 The Implementing Partner will return to the Organization any project funds not used for the Project within 60 days of the completion of the Project, specifically:
- i. Any balance unexpended at the termination of the Agreement;
  - ii. Any balance, amounts or receipts that cannot be justified by supporting records of the expense made;
  - iii. Any balance, amounts or receipts that are used for purposes different from the Terms and Conditions of this Agreement, as specified in Annex 2 and 4.
  - iv. Any amounts shown by audits or investigations to have been paid by Bioversity other than in accordance with the terms and conditions of the Agreement.
- 11.2. It is important to note that should the Implementing Partner have more than one active Sub-Agreement with the Organization during the period of this Agreement, delays complying with the requirements of another Sub-Agreement may affect the Organization's obligations as set out in this Agreement and vice versa.

## 12. Key Personnel

- 12.1 The scope of work supported by this Agreement shall be under the general guidance and technical direction of the Organization's Sub-Agreement Coordinator **Dr. Jai Chand Rana**. The Implementing Partner's Principal Investigator, **Dr Mohammad Yasin** shall be responsible for the proper management and conduct of the activities hereunder. The Implementing Partner's Principal Investigator may be replaced only with the approval of the Organization.

## 13. Authorized Representatives

### 13.1 Technical Aspects:

The technical aspects conducted under this project funding will be monitored by **Dr. Jai Chand Rana**. the Organization reserves the right to designate a new contact without amending this Agreement. All technical matters and reports will also be sent to:

For the Implementing Partner

Name:	<b>Dr Mohammad Yasin</b>
Title:	Principal Scientist
Address:	Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior R.A.K. College of Agriculture, Sehore 466001(M.P.)
Phone:	+91- 9406517978
Email:	<a href="mailto:myasin23@gmail.com">myasin23@gmail.com</a>



Sub-Agreement N° L21DEL132

## For Bioversity:

Name: **Dr Jai Chand Rana**  
 Title: **National Coordinator, UN Environment-GEF Project, India**  
 Address: **Alliance of Bioversity International and CIAT, Region – Asia, India Office, G-1, B-Block, NASC Complex, DPS Marg, Pusa Campus, New Delhi 110012, India**  
 Phone: **+91-9540534697**  
 Email: **[j.rana@cgiar.org](mailto:j.rana@cgiar.org)**

13.2 Administrative Aspects:

The administrative aspects conducted under this project funding will be monitored by the following representatives. The Organization reserves the right to designate a new contact without amending this Agreement.

## For the Implementing Partner:

Name: **Dr M P Jain**  
 Title: **Director Research Services**  
 Address: **Directorate of Research Services, Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior 474002 (M.P.)**  
 Phone: **+91- 9993202206**  
 Email: **[drsrvskvv@rediffmail.com](mailto:drsrvskvv@rediffmail.com)**

## For Bioversity:

Name: **Francesca Romana Borgia**  
 Title: **Associate Officer, Grants Management Unit**  
 Address: **Alliance of Bioversity International and CIAT, Via dei Tre Denari 472/a, 00054 Maccarese (Fiumicino), Rome, Italy**  
 Phone: **+39 (06) 6118001**  
 Email: **[F.BORGIA@cgiar.org](mailto:F.BORGIA@cgiar.org)**

14. General Release

The Implementing Partner's acceptance of the final payment under this Sub-Agreement shall release Bioversity from all claims of the Implementing Partner, and from all liability to the Implementing Partner concerning the work, except where such claims or liabilities arise from any negligent act, error or omission of Bioversity.

In witness thereof, the representatives of the agreeing Parties duly authorized sign this AGREEMENT on the dates indicated below.

By The Organization,

Name: **Dr Stephan Weise**  
 Position: **Managing Director, Asia Region**

By The Implementing Partner

Name: **Dr M P Jain**  
 Position: **Director Research Services**  
**DIRECTOR RESEARCH SERVICES**  
**R.V.S.K.V.V., Gwalior (M.P.) 474 002**

Alfiance



Sub-Agreement N° L21DEL132

Date: 30 April 2021

Date: 03-05-2021

Place: Rome

Place: Brescia



**Banca Popolare  
di Sondrio**

**Bonifico**

**GENTILE CLIENTE,  
ABBIAMO RICEVUTO ED ESEGUITO IL VOSTRO ORDINE DI SEGUITO RIPORTATO:**

**DATI ORDINANTE**

Ordinante: INT.PLANT GENETIC RESOURCES INST. BIOVERSITY  
BIC: .....  
IBAN: IT2100569603229VARUS0003550  
Filiale - Num.Rapporto: 458 - 3550/50 Tipo Conto: VAR Divisa: USD  
Desc. Filiale: 458 - AGENZIA di ROMA - AGENZIA N. 29 FAC

**DATI DISTINTA**

Data accettazione: 18/05/2021  
Data esecuzione: 18/05/2021  
Descrizione: L21DEL132 First Payment 21001599 MAY21

Importo addebito c/c ordinante:

**4.200,00**

**BONIFICO**

Modalità Pagamento: Conto estero valuta residente  
Rif. Operazione - TRN/CRO: 001BL3020817SCRI  
Rif. Interno: 55744650  
Beneficiario: RAJMATA VIJAYARAJE SCINDIA KRISHI VISHWA VIDYALAYA GWALIOR  
Indirizzo: ..... Codice Paese: .....  
Descrizione: L21DEL132 First Payment 21001599 MAY21  
IBAN beneficiario: 30500576719  
Importo trasferimento: USD 4.200,00

**ESECUTORE**

Cognome e Nome: MANNINO FEDERICA

La presente ricevuta è rilasciata per gli usi consentiti dalla legge.  
La relativa lettera contabile verrà inviata secondo le modalità in uso.

Sondrio, 24/05/2021

BANCA POPOLARE DI SONDRIO  
Sede Centrale

**Umbrella Memorandum of Understanding**  
*between*

**ICAR-National Institute of Biotic Stress Management, Raipur, Chhattisgarh**

*and*

**Rajmata Vijayaraje Scindia Krishi Vishwavidyalaya, Gwalior, Madhya Pradesh**

University/DU [Within NARS (AUs/ICAR DUs)]

*for facilitating*


Students' Training/Postgraduate Research

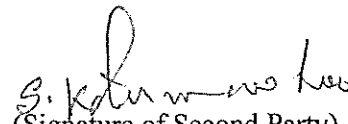
This Memorandum of Understanding (hereinafter referred to as MoU) is made on this ~~23~~<sup>23</sup> day of the month of ~~April~~<sup>May</sup> in the year 2022 by and between the **ICAR-National Institute of Biotic Stress Management, Raipur** having its Head Office at Raipur [hereinafter called "**NIBSM**" / First party], a constituent Research Institution of the Indian Council of Agricultural Research, Krishi Bhavan, New Delhi-110 001 on the ONE PART and the **Rajmata Vijayaraje Scindia Krishi Vishwavidyalaya, Gwalior, Madhya Pradesh** state (University within NARS) having its headquarters at Gwalior [hereinafter called "**RVSKVV**" / Second party] on the OTHER PART (who for the purpose of this MoU are hereinafter collectively referred to as the parties).

The parties, having discussed fields of common research interests and allied activities between the two institutions, have decided to enter into long-term collaboration for promotion of students' training and quality postgraduate research in cutting edge areas in accordance with the provisions contained in the Guidelines issued *vide* Letter No. 2-8/2012-HRD dated 11<sup>th</sup> December, 2012 or as revised from time to time.

WHEREAS the "First Party" is involved in the studies on Biotic stresses in agricultural crops including major disciplines of Agricultural Biotechnology, Plant Pathology, Agricultural Entomology, Nematology, Agronomy and weed science (specific mandated domain within the approved disciplines/divisions), WHEREAS the "Second Party", established *vide* F. No. 507 dated 19.07.2008 and recognized by Govt. of India / Govt. of Madhya Pradesh (Name of the Agency) *vide* Act No. 4 of 2008 and recognized by University Grants Commission] at its Department of Agriculture/Horticulture and is involved in education, research and extension in the disciplines of Agriculture including Agronomy, Soil Science, Entomology, Pathology, Economics, Extension, Plant Breeding & Genetics, Horticulture related field and allied subjects (specific areas of research),

AND WHEREAS it has been considered expedient to agree in writing to participate jointly in the projects requiring expertise and logistics from both the parties.

  
(Signature of First Party)

  
(Signature of Second Party)



## Article 1. Scope

- 1.1 The Second party will recognize the First party as an Institute for conducting research related to the thesis requirement of the research students for **M.Sc. and Ph.D. Degrees in relevant disciplines**. The Second party will recognize Scientists of the ICAR Institute as recommended by its Director in accordance with the University rules and regulations for guiding students working for the said degree.
- 1.2 Operational details of research effort and collaboration will be made in common research programmes and/or projects restricted to specific mandated domain within the approved disciplines/divisions. The objective(s) for research work for a student coming from a Second party outside NARS should be exclusively different as far as possible.
- 1.3 Research instrumentation facility and library facilities available with the First party and the Second party will be made available to the faculty and research scholars. However, the costs of specific consumables will be borne by the respective organizations.
- 1.4 There shall be an exchange of students for academic, research and training purposes. Accommodation in the Hostel shall be arranged, wherever possible, as per extant rates. The duration of exchange visits will be determined by mutual consent between both the parties.

## Article 2. Management

- 2.1 Director of the First party and the Vice-Chancellor/Head of the Institution of the Second party will be responsible to work out operational details of co-operation between the two organizations and ensure proper and effective implementation of this MoU.
- 2.2 The Advisory Committee will meet at least once in a year alternatively in the institutions of the First party and the Second party to review the activities. This meeting shall include presentation on the academic and research activities, which should be open to the students, faculty and scientists.


## Article 3. Exchange of Information

- 3.1. The term "information" includes scientific or technical data, results and/or methods of investigation, and other information intended to be provided, exchanged, or arising under project descriptions entered into pursuant to this MoU.
- 3.2. The parties support the widest possible dissemination of information. Each party in joint projects shall be given the right to use, disclose, publish or disseminate such information for any and all purposes.

## Article 4. General Provisions

- 4.1 It is understood that the First party and the Second party subscribe to the principle of equal opportunity and do not discriminate on the basis of race, sex, age, caste or religion. Both the Institutions shall abide by these principles in the administration of this agreement and neither party shall impose criteria for exchange of scholars or students, which violate principles of non-discrimination.

  
(Signature of First Party)

  
(Signature of Second Party)


- 4.2 Both parties understand that all financial agreements will have to be negotiated separately and will depend on the availability of funds.
- 4.3 Both parties acknowledge that exchange of students from one party to the other shall be subject to the availability of funds and shall comply with the regulations and policies of the First party and the Second party.
- 4.4 Any research publications arising will be jointly published in accordance with the provisions laid out in Item 3.2.1C of the Guidelines for the students to conduct research for their degree programme as trainees at ICAR institutions as notified *vide* Letter No. 2-8/2012-HRD dated 11th December, 2012 or revised guidelines, if any, as may be issued from time to time.
- 4.5 A copy of the thesis/dissertation will be submitted to the First Party after the award of the degree by the Second party.
- 4.6 All questions related to this MoU arising during its term will be settled by the parties by mutual agreement. Disagreements at the operating level shall be forwarded to respective higher officials for appropriate resolution failing which an arbitrator of mutual acceptance may be identified for the settlement of dispute, if any.
- 4.7 All questions not foreseen related to this MoU will be handled by the parties by mutual agreement.
- 4.8 Nothing in this MoU is intended to affect other cooperation or collaborations between the parties.

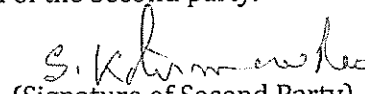
#### **Article 5. Intellectual Property Rights**

- 5.1 The Second party will be expected to ensure protection of the Intellectual Property Rights generated or likely to be generated during the student's research work. The ICAR as the first applicant (for its institute) and the Second party shall be the joint applicants for IPRs and the students and involved scientific staff shall be included as the inventor/breeder/author. The 'ICAR Guidelines for Intellectual Property Management and Technology Transfer/Commercialization' as amended from time to time shall be the reference for exploitation of the generated intellectual property, whose management and benefits sharing shall be mutually decided in each case.

#### **Article 6. Admission and Fees**

- 6.1 All those who wish to register as trainees or for Master/Doctoral programme under this MoU must apply for admission at the Second party. The allocation of Major Guide/Advisor would be finalized before the registration and will be governed by the provisions laid out in Items 3.2.1A and 3.2.2A of the Guidelines for the students to conduct research for their degree programmes as trainees at ICAR institutions as notified *vide* Letter No. 2-8/2012-HRD dated 11th December, 2012 or revised Guidelines, if any, as may be issued from time to time, for the students from within NARS and outside NARS, respectively.
- 6.2 Admission of the students and the award of degrees for different programmes will be the responsibility of the Second party as per the rules and regulations.
- 6.3 Allotment of the students at the First party will be done by the approval of Director of the First party and Vice-Chancellor/Head of the Institution of the Second party.

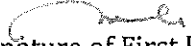
  
(Signature of First Party)

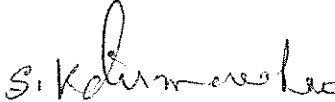
  
(Signature of Second Party)

- 6.4 The First party would have the right to screen the student's eligibility for admission based on their academic period.
- 6.5 The PME Cell of the First party in consultation with the representative of the Second party shall decide the location and sharing quantum of research work.
- 6.6 The number of student(s) at any particular time will be subjected to the availability of research facilities and scientists' time to guide thesis research at the First party institution.
- 6.7 Any student(s) admitted to the First party for training/postgraduate research, if found violating the rules and regulations laid down by the First party or indulge in such activities that amount to tarnishing the image of the Institute, or cause damage to the property, the registration of such student(s) would be summarily terminated. The Second party will not complete the formalities of issuing the certificates to such students until they compensate the losses to the First party.
- 6.8 Fees will be charged from the students by the First party as per Guidelines for the students to conduct research for their degree programmes as trainees at ICAR institutions *vide* Letter No. 2-8/2012-HRD dated 11th December, 2012 or revised Guidelines, if any, as may be issued from time to time. No fee may be charged by the First party from the students registered with AU/DU within NARS. However a student registered with a Second party, outside NARS, will deposit fee of Rs. 10,000/- for training duration of 3 months (not leading to a degree/dissertation) and Rs. 30,000/- per semester (six months) for training, research, dissertation exceeding three months. Any change in fee structure by ICAR will be applicable from the date of revision and shall be charged by the First party.

#### **Article 7. Entry into effect, modification and termination**

- 7.1. This MoU shall become effective on the date it is signed by the parties and shall be valid for three years extendable up to five years. Both parties shall review the status of the MoU at the end of each three/five year period to determine any modification, whenever necessary. The period of validity of this MoU may be extended by mutual consent up to five years. This MoU may be amended by mutual written agreement and may be terminated at any time by either party upon written notification signed by the competent authority of the party initiating termination. Such notification must be given to the other party at least six months in advance from the effective date of termination.
- 7.2. All joint activities not completed at the expiration or termination of the MoU may be continued until their completion under the terms of this MoU.
- 7.3. No amendment or modification of the MoU shall be valid unless the same is made in writing by both the parties or their authorized representatives and specifically stating the same to be amendment of the MoU. The modifications/changes shall become part of the MoU and shall be effective from the date on which they are made/executed, unless otherwise agreed to.

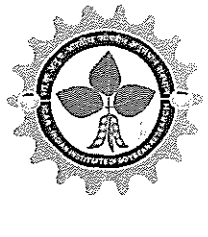

  
(Signature of First Party)

  
(Signature of Second Party)

This MoU has been executed in two originals, one of which has been retained by the First party and the other by the Second party].

IN WITNESS WHEREOF, the parties have executed this MoU and represent that they approve, accept and agree to terms contained herein.

<b>ICAR-National Institute of Biotic Stress Management, Baronda, Raipur-493225</b> (Name and Address of the First Party)	<b>Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Raja Pancham Singh Marg, Gwalior-474002</b> (Name and Address of the Second Party)
<b>Dr. P.K. Ghosh</b> Director & Vice Chancellor ICAR-National Institute of Biotic Stress Management, Raipur, Chhattisgarh	<b>Prof. (Dr.) S. K. Rao</b> Vice- Chancellor Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior, M.P.
<b>Tel No. 0771-2225333</b>	<b>Tel. No. 0751-2970502</b>
<b>Date: 23 May 2022</b>	<b>Date: 23 May 2022</b>
<p style="text-align: center;">निदेशक एवं कुलपति          Director &amp; Vice-Chancellor          भा.कृ.अनु.प.-रा.जै.स्टू.प्र.सं., बरौंडा,          ICAR-N.I.B.S.M., Baronda,          रायपुर-493 225 (छ.ग.)          Raipur-493 225, (C.G.)</p> <p style="text-align: center;"><i>[Signature]</i>  <b>Signature with Seal</b></p>	<p style="text-align: center;"><i>[Signature]</i>  <b>Signature with Seal</b>          Vice-Chancellor          Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya          Gwalior (M.P.)-474002</p>
<p style="text-align: center;"><i>[Signature]</i>  <b>Dr. P. Kaushal</b>          डॉ. पी. कौशल          Joint Director (Research)          संयुक्त निदेशक (अनुसन्धान)</p>	<p style="text-align: center;"><i>[Signature]</i>          Witness 1 .....  <b>DIRECTOR INSTRUCTION</b>  <b>R.V.S.K.V.V., GWALIOR (M.P.)</b></p>
<p style="text-align: center;">ICAR-NIBSM, Baronda, Raipur (C.G.)          भा.कृ.अनु.प.-रा.जै.स्टू.प्र.सं., बरौंडा, रायपुर (छ.ग.)</p> <p style="text-align: center;"><i>[Signature]</i>          Witness 2 .....  <i>(S.K. Rao, Prof.)</i></p>	<p style="text-align: center;"><i>[Signature]</i>          Witness 2 .....          Faculty of Agriculture  <b>R.V.S.K.V.V. Gwalior (M.P.)</b></p>

	<p><b>MEMORANDUM OF UNDERSTANDING</b></p> <p><i>between</i></p> <p><b>ICAR-Indian Institute of Soybean Research, Khandwa Road, Indore-452 001(M.P.)</b></p> <p><i>and</i></p> <p><b>Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior -474002 (M.P.)</b></p>	
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This Memorandum of Understanding (hereinafter referred to as MoU) is made on this 30<sup>th</sup> day of the month of march in the year 2022 by and between the **ICAR-Indian Institute of Soybean Research, Khandwa Road, Indore, MP** having its Head Office at Indore [hereinafter called "IISR "/First party], a constituent Research Institution of the Indian Council of Agricultural Research, Krishi Bhavan, New Delhi-110 001 on the ONE PART and the **Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior -474002 (M.P.)** University/Autonomous Body/ having its headquarters at Gwalior [here in after called "RVSKVV]."/Second party] on the OTHER PART (who for the purpose of this MoU are here in after collectively referred to as the parties).

The parties, having discussed fields of common research interests and allied activities between the two institutions, have decided to enter into long-term collaboration for promotion of students' training and quality postgraduate research in cutting edge areas in accordance with the provisions contained in the Guidelines issued *vide* Letter No. 2-8/2012-HRD dated 11th December, 2012 or as revised from time to time.

AND WHEREAS it has been considered expedient to agree in writing to participate jointly in the projects requiring expertise and logistics from both the parties.

*(Handwritten Signature)*

(Signature of First Party)

निदेशक/Director

भा.कृ.अ.प.-भारतीय सोयाबीन अनुसंधान संस्थान  
ICAR-Indian Institute of Soybean Research,  
खण्डवा रोड, इन्दौर (म.प्र.)  
Khandwa Road, Indore (M.P.) INDIA

*(Handwritten Signature)*

(Signature of Second Party)

DIRECTOR INSTRUCTION  
R.V.S.K.V.V., GWALIOR (M.P.)

## Article 1. Scope

- 1.1 The Second party will recognize the First party as an Institute for conducting research related to the thesis requirement of the research students for M.Sc/PhD dissertation/training.  
The Second party will recognize Scientists of the ICAR Institute as recommended by its Director in accordance with the University rules and regulations for guiding students working for the said degree.
- 1.2 Operational details of research effort and collaboration will be made in common research programmes and/or projects restricted to specific mandated domain within the approved disciplines/divisions. The objective(s) for research work for a student coming from a Second party outside NARS should be exclusively different as far as possible.
- 1.3 Research instrumentation facility and library facilities available with the First party and the Second party will be made available to the faculty and research scholars. However, the costs of specific consumables will be borne by the respective organizations.
- 1.4 There shall be an exchange of students for academic, research and training purposes. Accommodation in the Hostel shall be arranged, wherever possible, as per extant rates. The duration of exchange visits will be determined by mutual consent between both the parties.

## Article 2. Management


- 2.1 Director of the First party and the Vice-Chancellor/Head of the Institution of the Second party will be responsible to work out operational details of co-operation between the two organizations and ensure proper and effective implementation of this MoU.
- 2.2 The Advisory Committee will meet at least once in a year alternatively in the institutions of the First party and the Second party to review the activities. This meeting shall include presentation on the academic and research activities, which should be open to the students, faculty and scientists.


## Article 3. Exchange of Information

- 3.1. The term "information" includes scientific or technical data, results and/or methods of investigation, and other information intended to be provided, exchanged, or arising under project descriptions entered into pursuant to this MoU.
- 3.2. The parties support the widest possible dissemination of information. Each party in joint projects shall be given the right to use, disclose, publish or disseminate such information for any and all purposes.

## Article 4. General Provisions

- 4.1 It is understood that the First party and the Second party subscribe to the principle of equal opportunity and do not discriminate on the basis of race, sex, age, caste or religion. Both the Institutions shall abide by these principles in the administration of this agreement and neither party shall impose criteria for exchange of scholars or students, which violate principles of non-discrimination.

  
(Signature of First Party)  
निदेशक/Director  
भा.कृ.अ.प.-भारतीय सोयाबीन अनुसंधान संस्थान  
ICAR-Indian Institute of Soybean Research,  
खण्डवा रोड, इन्दौर (म.प्र.)  
Bhandwa Road, Indore (M.P.) INDIA

  
(Signature of Second Party)  
DIRECTOR INSTRUCTION  
R.V.S.K.V.V., Page 2 of 5 (M.P.)

- 4.2 Both parties understand that all financial agreements will have to be negotiated separately and will depend on the availability of funds.
- 4.3 Both parties acknowledge that exchange of students from one party to the other shall be subject to the availability of funds and shall comply with the regulations and policies of the First party and the Second party.
- 4.4 Any research publications arising will be jointly published in accordance with the provisions laid out in Item 3.2.1C of the Guidelines for the students to conduct research for their degree programme as trainees at ICAR institutions as notified *vide* Letter No. 2-8/2012-HRD dated 11th December, 2012 or revised guidelines, if any, as may be issued from time to time.
- 4.5 A copy of the thesis/dissertation will be submitted to the First Party after the award of the degree by the Second party.
- 4.6 All questions related to this MoU arising during its term will be settled by the parties by mutual agreement. Disagreements at the operating level shall be forwarded to respective higher officials for appropriate resolution failing which an arbitrator of mutual acceptance may be identified for the settlement of dispute, if any.
- 4.7 All questions not foreseen related to this MoU will be handled by the parties by mutual agreement.
- 4.8 Nothing in this MoU is intended to affect other cooperation or collaborations between the parties.

#### Article 5. Intellectual Property Rights

- 5.1 The Second party will be expected to ensure protection of the Intellectual Property Rights generated or likely to be generated during the student's research work. The ICAR as the first applicant (for its institute) and the Second party shall be the joint applicants for IPRs and the students and involved scientific staff shall be included as the inventor/breeder/author. The 'ICAR Guidelines for Intellectual Property Management and Technology Transfer/Commercialization' as amended from time to time shall be the reference for exploitation of the generated intellectual property, whose management and benefits sharing shall be mutually decided in each case.

#### Article 6. Admission and Fees

- 6.1 All those who wish to register as trainees or for Master/Doctoral programme under this MoU must apply for admission at the Second party. The allocation of Major Guide/Advisor would be finalized before the registration and will be governed by the provisions laid out in Items 3.2.1A and 3.2.2A of the Guidelines for the students to conduct research for their degree programmes as trainees at ICAR institutions as notified *vide* Letter No. 2-8/2012-HRD dated 11th December, 2012 or revised Guidelines, if any, as may be issued from time to time, for the students from within NARS and outside NARS, respectively.
- 6.2 Admission of the students and the award of degrees for different programmes will be the responsibility of the Second party as per the rules and regulations.
- 6.3 Allotment of the students at the First party will be done by the approval of Director of the First party and Vice-Chancellor/Head of the Institution of the Second party.
- 6.4 The First party would have the right to screen the student's eligibility for admission based on their academic period.

(Signature of First Party)

निदेशक/Director

श्री. कृ. आ. प. - भारतीय सोयाबीन अनुसंधान संस्थान  
ICAR-Indian Institute of Soybean Research  
खण्डवा रोड, इन्दौर (म.प्र.)  
Chandwa Road, Indore (M.P.) INDIA

(Signature of Second Party)

DIRECTOR INSTITUTION  
R.V.S.K.V.V., GWALIOR (M.P.)

- 6.5 The PME Cell of the First party in consultation with the representative of the Second party shall decide the location and sharing quantum of research work.
- 6.6 The number of student(s) at any particular time will be subjected to the availability of research facilities and scientists' time to guide thesis research at the First party institution.
- 6.7 Any student(s) admitted to the First party for training/postgraduate research, if found violating the rules and regulations laid down by the First party or indulge in such activities that amount to tarnishing the image of the Institute, or cause damage to the property, the registration of such student(s) would be summarily terminated. The Second party will not complete the formalities of issuing the certificates to such students until they compensate the losses to the First party.
- 6.8 Fees will be charged from the students by the First party as per Guidelines for the students to conduct research for their degree programmes as trainees at ICAR institutions *vide* Letter No. 2-8/2012-HRD dated 11th December, 2012 or revised Guidelines, if any, as may be issued from time to time. No fee may be charged by the First party from the students registered with AU/DU within NARS. However a student registered with a Second party, outside NARS, will deposit fee of Rs. 10,000/- for training duration of 3 months (not leading to a degree/dissertation) and Rs. 30,000/- per semester (six months)/ Rs. 20,000/- (three months) for training, research, dissertation. Any change in fee structure by ICAR will be applicable from the date of revision and shall be charged by the First party.

#### Article 7. Entry into effect, modification and termination

- 7.1. This MoU shall become effective on the date it is signed by the parties and shall be valid for three years extendable up to five years. Both parties shall review the status of the MoU at the end of each three/five year period to determine any modification, whenever necessary. The period of validity of this MoU may be extended by mutual consent up to five years. This MoU may be amended by mutual written agreement and may be terminated at any time by either party upon written notification signed by the competent authority of the party initiating termination. Such notification must be given to the other party at least six months in advance from the effective date of termination.
- 7.2. All joint activities not completed at the expiration or termination of the MoU may be continued until their completion under the terms of this MoU.
- 7.3 No amendment or modification of the MoU shall be valid unless the same is made in writing by both the parties or their authorized representatives and specifically stating the same to be amendment of the MoU. The modifications/changes shall become part of the MoU and shall be effective from the date on which they are made/executed, unless otherwise agreed to.

  
(Signature of First Party)

निदेशक/Director  
वा.कृ.अ.प.-भारतीय सोयाबीन अनुसंधान संस्थान  
ICAR-Indian Institute of Soybean Research,  
खण्डवा रोड, इन्दौर (म.प्र.)  
Khandwa Road, Indore (M.P.) INDIA

  
(Signature of Second Party)

DIRECTOR INSTRUCTION  
R.V.S.K.V.V., GWALIOR (M.P.)



This MoU has been executed in two originals, one of which has been retained by the First party and the other by the Second party).

IN WITNESS WHEREOF, the parties have executed this MoU and represent that they approve, accept and agree to terms contained herein.

ICAR-Indian Institute of Soybean Research,  
Khandwa Road,

Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya,  
Gwalior -474002 (M.P.)


(Name and Address of the First Party)

(Name and Address of the Second Party)

Name of the Director of the First Party

Name of the Vice-Chancellor/Head of  
the Institution of the Second Party)

  
Dr Nita Khandekar  
निदेशक/Director  
रा.कृ.अ. भारतीय सोयाबीन अनुसंधान संस्थान  
ICAR-Indian Institute of Soybean Research,  
खण्डवा रोड, इंदौर (म.प्र.)  
Khandwa Road, Indore (M.P.) INDIA

  
Dr. S.P.S. Tomar  
DIRECTOR INSTRUCTION  
R.V.S.K.V.V., GWALIOR (M.P.)

Tel No.: 0731-2476188/ 09448737473


Tel. No.:07512970517


Date:

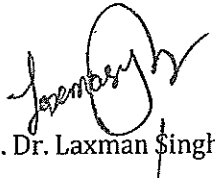
Date 30/3/2022

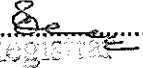
Signature with Seal

Signature with Seal

  
Witness 1. DR. Manoj Kumar Shrivastawa

  
Witness 1.....  
Dean  
Faculty of Agriculture  
R.V.S.K.V.V. Gwalior (M.P.)

  
Witness 2. Dr. Laxman Singh Rajput

  
Witness 2 .....  
Registrar  
R.V.S.K.V.V. Gwalior

(2021-22) - B

mail 10/2/23



**OFFICE OF THE DIRECTORATE OF INSTRUCTIONS & SW**  
**Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya,**

Raja Pancham Singh Marg, Behind LNUPE, Gwalior - 474002 (M.P.)

Telfax: 0751-2970517 (O)

E-mail di@rvskvv.net

Website www.rvskvv.net

No./DI/2022-23/ 3700

Dated: 10/02/2023

**ORDER**

On the recommendation of Dean, College of Agriculture, Gwalior and as per consent received from **Dr. Gyanesh Kumar Satpute, Principal Scientist (Genetics & Pl. Breeding) ICAR-IISR, Indore, Miss Charu Jamnotia Ph.D. student of Genetics & Pl. Breeding, College of Agriculture, Gwalior** is hereby permitted to conduct her research work (Thesis research work) at ICAR-IISR, Indore, with following term & conditions.

1. She shall report the **Director, ICAR-IISR, Indore** for thesis research work after relieving from the **Dean, College of Agriculture, Gwalior**.
2. She shall be registered in each semester at **College of Agriculture, Gwalior** after payment of prescribed fees of each semester.
3. She shall submit the progress of research work time to time to **HOD, Genetics & Pl. Breeding, College of Agriculture, Gwalior**.
4. She shall submit her attendance every month of fulfill her residential requirements to **HOD, Genetics & Pl. Breeding, College of Agriculture, Gwalior** duly verified by **Major Advisor-II of ICAR-IISR, Indore**.
5. **Major Advisor-I** of the thesis research work shall be **Teacher/Professor/Scientist of the University** and **Major Advisor-II** shall be from **ICAR-IISR, Indore**.
6. After completion of research work, she shall submit her thesis to **HOD, Genetics & Pl. Breeding, College of Agriculture, Gwalior**.
7. The comprehensive exam, **Doctoral Degree Seminar** at **College of Agriculture, Gwalior** and thesis viva-voce shall be conducted at **RVSKVV, Gwalior**.

Endt./ No. DI/2022-23/ 3700

C.C. to:

1. DFA, RVSKVV, Gwalior
2. Dean, College of Agriculture, Gwalior
3. Director, ICAR-IISR, Indore.
4. Registrar, RVSKVV, Gwalior
5. Dy. Registrar, (Academic) RVSKVV, Gwalior
6. HOD, Genetics & Pl. Breeding, College of Agriculture, Gwalior
7. Person concern .....
8. P.S. to Hon'ble Vice Chancellor, RVSKVV, Gwalior

Director Instructions

Dated: 10/02/2023

Director Instructions

(2021-22) - 8

Mail 15/11/22



## OFFICE OF THE DIRECTORATE OF INSTRUCTIONS

**Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya,**

Raja Pancham Singh Marg, Behind LNUPE, Gwalior – 474002 (M.P.)

Telfax: 0751-2970517(O)

E-mail di@rvskvv.net

Website www.rvskvv.net

No./DI/2022-23/ 2829

Dated: 16/11/2022

### ORDER

On the recommendation of Dean, College of Agriculture, Gwalior and as per consent received from Dr. Laxman Singh Rajput Scientist (Plant Pathology) ICAR-IISR, Indore, Miss Rekha Viswakarma (Roll No. 21113604) Ph.D. student of Plant Pathology, College of Agriculture, Gwalior is hereby permitted to conduct her research work (Thesis research work) at ICAR-IISR, Indore, with following terms & conditions.

1. She shall report the Director, ICAR-IISR, Indore for thesis research work after relieving from the Dean, College of Agriculture, Gwalior.
2. She shall be registered in each semester at College of Agriculture, Gwalior after payment of prescribed fees of each semester.
3. She shall submit the progress of research work time to time to HOD, Plant Pathology, College of Agriculture, Gwalior.
4. She shall submit her attendance every month of fulfill her residential requirements to HOD, Plant Pathology, College of Agriculture, Gwalior duly verified by Major Advisor-II of ICAR-IISR, Indore.
5. Major Advisor-I of the thesis research work shall be Teacher/Professor/Scientist of the University and Major Advisor-II shall be from ICAR-IISR, Indore.
6. After completion of research work, she shall submit her thesis to HOD, Plant Pathology, College of Agriculture, Gwalior.
7. The comprehensive exam, Doctoral Degree Seminar at College of Agriculture, Gwalior and thesis viva-voce shall be conducted at RVSKVV, Gwalior.

Director Instructions

Endt./ No. DI/2022-23/ 2829

Dated: 16/11/2022

C.C. to:

1. Dean Faculty of Agriculture, RVSKVV, Gwalior.
2. Dean, College of Agriculture, Gwalior
3. Director, ICAR-IISR, Indore.
4. Registrar, RVSKVV, Gwalior
5. Dy. Registrar, (Academic), RVSKVV, Gwalior
6. HOD, Plant Pathology, College of Agriculture, Gwalior
7. Person concern, Miss Rekha Viswakarma (Roll No. 21113604) Ph.D. student of Plant Pathology, College of Agriculture, Gwalior.
8. P.S. to Hon'ble Vice Chancellor, RVSKVV, Gwalior

Director Instructions



Sub-Agreement N°: L22DEL122  
This Sub-Agreement ("Agreement" hereinafter) is established on **January 1<sup>st</sup>, 2022**

BETWEEN

Bioversity International  
Via di San Domenico, 1, Rome, Italy

(hereinafter referred to as the "Organization")

AND

Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya (RVSKV)  
Gwalior R.A.K. College of Agriculture, Sehore 466001(M.P.), India

(hereinafter referred to as "Implementing Partner")

## WHEREAS:

The International Plant Genetic Resources Institute, which operates under the name **Bioversity International**, is an international research organization and member of the CGIAR system, and operates as a non-profit autonomous organization, international in status and non-political in management, staffing, and operations. Bioversity was established as an independent international organization by the "Agreement on the Establishment of the International Plant Genetic Resources Institute" with the Italian Government in 1991, in which the Government recognized Bioversity as an international organization with international personality and established the headquarters seat of the Organization, and part of the Alliance Bioversity–CIAT since 1 January 2020, represented here by its Managing Director, Stephan Weise.

And Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya (RVSKV), a university based at Gwalior R.A.K. College of Agriculture, Sehore 466001(M.P.), India, represented here by its Director of Research & Services, D. H. Ranade ("Implementing Partner"), whereas they are referred to individually as the "Party" and together as "Parties."

The Organization has entered into an agreement with the the UNEP-GEF ("Funder") to implement activities as lead institution for the project "**Mainstreaming agricultural biodiversity conservation and utilization in agricultural sectors to ensure ecosystem services and reduce vulnerability**".

The Organization is part of the Alliance of Bioversity International and CIAT through the Partnership Agreement between the two international centers, in force since January 1, 2020, having a director general and a common board of trustees as part of its governance structure. The Alliance delivers research-based solutions that harness agricultural biodiversity and sustainably transform food systems to improve people's lives. Alliance solutions address the global crises of malnutrition, climate change, biodiversity loss, and environmental degradation. The Alliance is part of CGIAR, a global implementing partnership for a food-secure future.

The Implementing Partner has the facilities and skilled personnel necessary to pursue the objectives and fulfill the requirements of this Agreement.

This Agreement shall exist when this document has been signed by duly authorized representatives of the Parties.

Therefore, the Organization and the Implementing Partner (referred to collectively as the "Parties") hereby agree to the following terms and conditions.

## Specific Terms of the Agreement

### 1. Scope of Work and Agreement with the Funder

- 1.1. The Implementing Partner agrees to perform the activities detailed in the Scope of Work (**Annex 2**) in relation to and with funding from the following grant/agreement: **A1265 - Mainstreaming agricultural biodiversity conservation and utilization in agricultural sectors to ensure ecosystem services and reduce vulnerability (Annex 6)**. The Implementing Partner will not use the project funds for any other purpose, except by express written permission from the Organization. This project funding is subject to the availability of funds from the Funder.
- 1.2. All applicable provisions of the Agreement between the Organization and the **Funder** not specifically mentioned in this Agreement shall be binding upon the Implementing Partner, and the Implementing Partner hereby agrees to comply with the same. In the event of any conflict between the terms of this Agreement and the terms of the Agreement with the Funder, then the terms of the Agreement with the Funder will prevail.

### 2. Responsibilities of the Implementing Partner

- 2.1 The Implementing Partner shall make reasonable endeavors to ensure the successful completion of the Project in accordance with the terms and conditions established in this Agreement.
- 2.2 The Implementing Partner shall carry out the activities and tasks outlined and mutually agreed as described in the Project. The Terms of Reference form an integral part of this Agreement.
- 2.3 The Implementing Partner is required to submit periodical technical and financial reports showing the Implementing Partner's progress in achieving the purposes for which the Project funding is provided and the expenditure of Project funds to the Organization, as per conditions laid out in clause 5.
- 2.4 The Implementing Partner undertakes to perform the Project activities according to the principles and procedures of due diligence, exercising care in the administration of this Agreement, having due regard for economy and efficiency and the need to uphold the highest standards of integrity in the administration of funds.

### 3. Responsibilities of the Organization

- 3.1 The Organization will be the primary implementing agency for this Agreement with the Funder and will retain ultimate responsibility for the completion of program work plans. Subject to release of funds by the **Funder**, the Organization will provide financial and technical oversight support as required related to the implementation of the agreed Scope of Work and Budget. In exchange for performance in compliance with this Agreement and subject to receipt of funds from the Funder, the Organization shall pay the Implementing Partner.



## Sub-Agreement N°: L22DEL122

3.2 The Implementing Partner shall not communicate directly with the Funder. All communications will be handled through the Organization.

#### 4. Timing

- 4.1. This Agreement will be in force from January 1<sup>st</sup>, 2022, until March 31<sup>st</sup>, 2023 (hereinafter referred to as "Period of Performance"), as outlined in Annex 2.
- 4.2. The activities and work subject to this Agreement are required to occur during the period specified in Art. 4.1.
- 4.3. The Implementing Partner shall inform the Organization promptly in case of any delays or impediments that might result in the Implementing Partner not abiding by the timeline and conditions set forth in this Agreement; such notification shall not release the Implementing Partner from fulfilling its obligations under this Agreement.

#### 5. Budget

- 5.1 The Organization has approved a budget totaling USD 14,571 (Fourteen thousand, five hundred and seventy-one US Dollars). This is the full project cost over the period of 15 months. Details of the budget are set out in the financial schedule (**Annex 4**) and initialed by the Parties for identification.
- 5.2 Any variation between the amount budgeted and the actual expenditure that exceeds 10% of the budgeted amount on the budget line item shall require a budget revision to be approved in writing by the Organization. Budget variations are allowed only between direct cost budget lines.
- 5.3 The Organization shall pay to the Implementing Partner a contribution in an amount not exceeding USD 14,571 for performance of work as described in Annex 2. In no event shall the Organization be liable for reimbursement of any cost that would result in cumulative payment under this Agreement exceeding the total value as established in this clause, unless this Agreement is modified in writing.
- 5.4 Funds disbursed by the Organization but uncommitted by the Implementing Partner at the expiration or termination of this Agreement, or not reported, shall be duly refunded to the Organization within 60 days from expiration or termination.

#### 6. Use of Agreement funds

- 6.1 The Implementing Partner agrees to use Agreement funds only for the Project in the manner described in the Scope of Work (**Annex 2**) in accordance with the Budget (**Annex 4**) subject to the terms and conditions of this Agreement.
- 6.2 **Eligibility of costs:** Costs will be considered eligible under this Agreement if they meet the following conditions:
  - They are directly attributed to the purpose of the Project.
  - They have been included in the budget.
  - They were incurred during the Period of Performance as defined in Art. 4.1.
  - They comply with the requirements in the Agreement with the Funder in Annex 6 and with the requirements of applicable legislation.
  - They are adequately supported by documentary evidence.
- 6.3 **Purchases of goods or services** will follow a transparent process satisfying at a minimum the following conditions:
  - Ensure fairness, absence of corruption and conflicts of interest, integrity, and transparency through a competitive process.



Sub-Agreement N°: L22DEL122

- Ensure non-discrimination and equal treatment of vendors.
- Ensure that the award results in the best value for money and is properly documented.

**6.4 Assets management:** Items of attraction (items costing less than \$1,500 but with a useful life of more than one year) are considered assets and must be recorded on an asset register. At the end of this Agreement, the Implementing Partner will seek the Organization's approval for proposed actions relating to the disposal of assets.

## 7. Other terms and conditions

7.1. The General Terms and Conditions (**Annex 1**) shall form an integral part of this Agreement and be binding among the Parties. In the event of any conflict between the Specific Terms of this Agreement and the General Terms and Conditions, the Specific Terms of this Agreement will prevail.

## 8. Reporting

8.1 **Progress reporting:** The Implementing Partner agrees to submit technical reports in *English*. Reports are expected in PDF format unless otherwise specified in the Scope of Work and according to the schedule set out in **Annex 3**. All reports should be prepared using the template given in **Annex 5**.

8.2 **Financial reporting:** The Implementing Partner agrees to provide the Organization with Statements of Expenditures attesting to the relevant period's expenditures against approved budget line items, certifying that the funds have been spent for the agreed purposes. The Implementing Partner is required to use the designated reporting templates (**Annex 4**) and submit an electronic copy of the Statement of Expenditures according to the schedule set in **Annex 3**.

8.3 Financial records must be available for inspection or formal audits at any time. This provision shall survive termination of this Agreement.

## 9. Payments

9.1 Payments from the Organization to the Implementing Partner shall be made according to the schedule and conditions set forth in the Schedule of Reporting and Disbursements in **Annex 3** and subject to the availability of funds from the Funder.

9.2 Payments by the Organization for the work described in the Scope of Work shall be made in U.S. dollars. No additional funds will be added to this Agreement to cover losses incurred as a result of currency exchange rate fluctuations.

9.3 The choice of the bank or financial institution is the sole responsibility of the Implementing Partner. Any changes to the banking details must be expressly and officially notified in writing in due time by the Implementing Partner and acknowledged by the Organization. Accuracy is the responsibility of the Implementing Partner. The Organization accepts no responsibility for delays or additional bank charges arising from incomplete or inaccurate banking details that are the responsibility of the Implementing Partner and do not justify additional claims.

## 10. Maintenance of financial records

10.1 The Implementing Partner shall keep accurate financial records and maintain supporting documentation showing the use of inputs and funds under this Agreement and any other documentation related to the activities for a period of seven (7) years following termination or expiry of the Agreement with the Funder, during which period the Organization, the Funder, or its authorized representatives, including auditors or a relevant authority, shall have the right, at any time, to conduct reviews and/or internal/external audits relating to any aspect of this Agreement. The Implementing Partner shall provide its full and timely cooperation with any such review or audit. Full and timely cooperation shall include, but not be limited to, making available employees or agents and granting to the Organization, the Funder, or other authorized representatives, including auditors or a relevant authority, access at reasonable times and conditions to the Implementing Partner's premises or other sites where documentation related to this Agreement is kept or activities related to this Agreement are carried out.

## 11. Return of funds

11.1 The Implementing Partner will return to the Organization any project funds not used for the Project within 60 days of the completion of the Project, specifically

- i. Any balance unexpended at the termination of this Agreement.
- ii. Any balance, amounts, or receipts that cannot be justified by supporting records of the expense made.
- iii. Any balance, amounts, or receipts that are used for purposes different from the Terms and Conditions of this Agreement, as specified in **Annexes 2 and 4**.
- iv. Any amounts shown by audits or investigations to have been paid by the Organization other than in accordance with the Terms and Conditions of this Agreement.

## 12. Key personnel

12.1 The Scope of Work supported by this Agreement shall be under the general guidance and technical direction of the Organization's Sub-Agreement coordinator, **Dr. Jai Chand Rana**. The Implementing Partner's principal investigator, **Dr. Mohammad Yasin** shall be responsible for the proper management and conduct of the activities hereunder. The Implementing Partner's principal investigator may be replaced only with the approval of the Organization.

## 13. Authorized representatives

### 13.1 Technical aspects:

The technical aspects conducted under this Project funding will be monitored by **Dr. Jai Chand Rana**. The Organization reserves the right to designate a new contact without amending this Agreement. All technical matters and reports will also be sent to the following:

For the Implementing Partner

Name: **Dr. Mohammad Yasin**  
 Title: Principal Scientist  
 Address: Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior R.A.K. College of Agriculture, Sehore 466001(M P )  
 Phone: +91- 9406517978





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Email: [myasin23@gmail.com](mailto:myasin23@gmail.com)

**For the Organization:**

Name: Dr Jai Chand Rana  
Title: National Coordinator, UN Environment-GEF Project, India  
Address: Alliance of Bioversity International and CIAT, Region – Asia, India Office, G-1, B-Block, NASC Complex, DPS Marg, Pusa Campus, New Delhi 110012, India  
Phone: +91-9540534697  
Email: [j.rana@cgiar.org](mailto:j.rana@cgiar.org)

**13.2 Administrative aspects:**

The administrative aspects conducted under this Project funding will be monitored by the following representatives. The Organization reserves the right to designate a new contact without amending this Agreement.

**For the Implementing Partner:**

Name: Dr. D. H. Ranade  
Title: Director of Research and Services  
Address: Directorate of Research Services, Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior 474002 (M.P.)  
Phone: +91- 9993202206  
Email: [drst@rvskv.net](mailto:drst@rvskv.net)

**For the Organization:**

Name: Roberta Castellani  
Title: Senior Analyst  
Address: Via di San Domenico 1  
Email: [r.castellani@cgiar.org](mailto:r.castellani@cgiar.org)

**14. The Due Diligence and the following Annexes are an integral part of this agreement**

- Annex 1 – General Terms and Conditions
- Annex 2 – Scope of Work
- Annex 3 – Schedule of Reporting and Disbursements
- Annex 4 – Budget and Financial Reporting Templates
- Annex 5 – Cover Sheet for Technical Reports
- Annex 6 – Agreement with the Funder

**15. General release**

The Implementing Partner's acceptance of the final payment under this Agreement shall release the Organization from all claims of the Implementing Partner and from all liability to the Implementing Partner concerning the work, except where such claims or liabilities arise from any negligent act, error, or omission of the Organization.

Alliance



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In witness thereof, the representatives of the agreeing Parties duly authorized sign this Agreement on the dates indicated below.

By the Organization,

  
\_\_\_\_\_

Name: Stephan Weise

Position: Managing Director

Date: 8 April 2022

Place: Penang

By the Implementing Partner,

  
\_\_\_\_\_

Name: Dr. S. K. Sharma

Position: Director of Research and Services

Date: 05 May 2022

Place: Gwalior

cc: Dr. Jai Chand Rana

## Annex 1

### GENERAL TERMS AND CONDITIONS

#### 16. Interpretation

16.1. In these Conditions:

16.1.1. *With effect from 1 December 2006, IPGRI operates under the name "Bioversity International" (the Organization for short).*

16.1.2. The "Agreement" means the Agreement under which the work described in the Scope of Work is to be provided to the Organization, including these General Conditions.

16.1.3. The "Scope of Work" means the work to be performed under the Agreement.

16.1.4. The "Implementing Partner" means the Party that by this Agreement undertakes to provide the work described in the Scope of Work.

16.1.5. The "Agreement Material" means all the material brought or required to be brought into existence as part of, or for the purpose of, performing the work described in the Scope of Work, including but not limited to documents, equipment, information, and data stored by any means.

16.2. Words importing a gender include the other gender. Words in the singular number include the plural and words in the plural number include the singular.

#### 17. Agreement material

17.1. On the expiration or earlier termination of this Agreement and upon request of the Organization, the Implementing Partner shall deliver to the Organization all Agreement material according to the due dates stipulated in Annex 3.

17.2 The Implementing Partner shall ensure that this Agreement material is used, copied, supplied, or reproduced only for the purposes of this Agreement.

#### 18. Open access and data management

18.1. Unless differently provided in the Specific Terms of this Agreement, in keeping with CGIAR's *Open Access and Data Management Policy (OADM)*<sup>1</sup> approved on 2 October 2013, all information products (including data) generated as a result of activities under this Agreement will be made as open as possible and deposited in a suitable repository as soon as possible, but no later than the timeframes detailed in the OADM.<sup>2</sup> Publications and documents will be

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<https://cgspace.cgiar.org/bitstream/handle/10947/4488/Open%20Access%20Data%20Management%20Policy.pdf?sequence=1>

<sup>2</sup> Peer-reviewed journal articles, books, and book chapters: no later than 6 months from the date of publication.

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deposited in the CGSpace repository, the platform recommended by CGIAR to store published research results in an open access manner. Datasets will be deposited in the Organization Dataverse (<https://dataverse.harvard.edu/dataverse/AllianceBioversityCIAT>) as open data, subject to confidentiality, sensitivity, and privacy as outlined in the Organization Research Ethics Policy.

## 19. Intellectual property rights

- 19.1. As a CGIAR research center, the Organization's intellectual property is managed in accordance with CGIAR Principles on the Management of Intellectual Assets, which shall prevail over any other laws.
- 19.2. Unless differently provided in the Specific Terms of this Agreement, all rights, titles, and interests in intellectual property based on agreement material (including copyright, patent, trade secret, trademark rights, and database rights) produced by the Organization or its personnel in conjunction with the Implementing Partner or its personnel will be assigned jointly to the Organization and the Implementing Partner.
- 19.3. Unless differently provided in the Specific Terms of this Agreement, the Organization and the Implementing Partner agree to grant one another non-exclusive, royalty-free licenses for non-commercial purposes to use, reproduce, and distribute agreement material without any need to obtain permission from one another for those purposes. The Organization and the Implementing Partner further agree to grant one another the right to grant sub-licenses to their project partners. Both Parties agree to make reasonable efforts to ensure that third parties publicly recognize the authors and publishers of agreement materials and the joint institutional support of the Organization and the Implementing Partner in their creation.
- 19.4. Intellectual property based on work outside this Agreement shall remain with each Party and no rights thereto are provided in this Agreement. Each Party is and remains the sole owner of all background intellectual property developed prior to this Agreement or acquired or developed parallel to said Agreement without being related to its execution. Background intellectual property includes any information, techniques, know-how, practices, processes, testing procedures, software, and materials (regardless of the form or medium in which they are disclosed or stored) that is known to either Party before the Project and that the Parties might exchange in relation to the Project.

## 20. Confidential information

- 20.1 The Organization and the Implementing Partner agree to hold all information disclosed between themselves that is designated and marked "confidential" in confidence and not to disclose or communicate such information except to their employees for the furtherance of the purpose

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Video, audio, and images; reports and other papers: within 3 months of their completion.

Data and databases: within 12 months of completion of the data collection or appropriate project milestone, or within 6 months of publication of the information products underpinned by those data, whichever is sooner.

Computer software: When the software was developed internally, the associated source code must be deposited in a free/open software archive upon completion of the software development. Access to such information products may be granted subject to appropriate licenses (e.g., Copyleft).

Metadata: The metadata of an information product must be deposited in a suitable repository before or on publication of the information product. When an information product is not deposited in a suitable repository, the deposited metadata must include a link to the information product.



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of this Agreement. All employees to whom confidential information has been disclosed shall be informed of its confidential nature and directed to hold it in accordance with the terms of this Agreement. Failure on the part of employees of the receiving Party to handle confidential information as provided for herein constitutes a breach of this Agreement by the receiving Party.

## 21. Data protection regulation

- 21.1. When personal data are processed in relation with this Agreement, the Parties shall comply with Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data and repealing Directive 95/46/EC (General Data Protection Regulation, GDPR) and any other applicable personal data legislation.
- 21.2. Each Party represents and guarantees to the other Party that it will strictly comply with the GDPR or any other applicable personal data legislation for any processing of personal data related to this agreement.
- 21.3. It is the Implementing Partner's responsibility as a data processor to ensure that adequate processes are in place to manage personal data in line with the GDPR, any other applicable personal data legislation, and specific requirements of the Organization, which is the data controller.

## 22. Security and insurance

- 22.1. The Implementing Partner shall, when using the Organization's premises or facilities, comply with all security and office regulations in effect at those premises or in regard to those facilities, as notified by the Organization.
- 22.2. The Organization declines every form of responsibility for actions, claims, demands, costs, and expenses that may arise from or be a consequence of any unlawful or negligent act or omission of the Implementing Partner and its employees or agents in carrying out the work described in the Scope of Work.
- 22.3. Unless differently provided in the Specific Terms of this Agreement, the Implementing Partner should acquire appropriate insurance coverage for all staff and/or activities financed through this Agreement, such as, but not limited to, health, life, accidents, long-term disability, workers' compensation, travel, public liability, etc., as per local and national requirements. The decision whether such insurance is required rests entirely with the Implementing Partner.
- 22.4. The Implementing Partner also agrees to include insurance for infrastructure and equipment required for the execution of this Agreement.

## 23. Indemnity

- 23.1. The Implementing Partner shall indemnify and keep fully indemnified the Organization at all times against all liabilities, costs, expenses, damages, and losses, including any direct loss of reputation and all interests, and other reasonable costs and expenses suffered or incurred by the Organization arising from any breach of this Agreement by the Implementing Partner and from the actions or omissions of any employees, agents, and other representatives of the Implementing Partner.
- 23.2. The Organization shall pay the Implementing Partner sums according to the expenses incurred except in the following cases:
- 23.3. The Implementing Partner shall not be entitled to compensation for loss of prospective profits.



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- 23.4. The Organization shall not be liable to pay any sum that, in addition to any amounts paid or due or becoming due to the Implementing Partner under the Agreement, would together exceed the full cost ordinarily payable under the Agreement.
- 23.5. The Implementing Partner shall not be entitled to compensation for any sums that the Implementing Partner is able to recover from any insurance.

**24. Permission for publication and publicity**

- 24.1. Unless differently provided in the Specific Terms of this Agreement, to ensure the quality of the Organization-associated products, the Implementing Partner and its employees or agents shall not disclose or make public any information or material produced in connection with or by the performance of the work described in the Scope of Work bearing the Organization name or the Organization logo without prior approval in writing by the Organization. Any publications or other outputs resulting from activities carried out under this Agreement will be done in consultation with the Organization, will include one or more of the Organization's scientists as co-author(s), following standard scientific practice, and shall acknowledge the Organization's support.

**25. Variation of the Agreement**

- 25.1. No Agreement or understanding that varies or extends this Agreement (in particular the Scope of Work), including but not limited to those that would result in an increase in the monies payable by, or other liability of, the Organization, shall be legally binding upon either Party unless in writing and signed by both Parties. The Implementing Partner shall promptly notify the Organization in writing of any situation or the occurrence of any event beyond the reasonable control of the Implementing Partner that makes it impossible to continue its functions under this Agreement.

**26. Termination of the Agreement**

- 26.1. The Organization may at any time by thirty (30) days written notice to the Implementing Partner terminate, suspend, or constrict this Agreement or any part of this Agreement, and, upon such notice being given, the Implementing Partner shall cease or reduce work according to the tenor of the notice and shall forthwith immediately do everything possible to mitigate consequential losses to the Organization.

The Organization may, by written notice, terminate this Agreement and recover from the Implementing Partner any loss or damage suffered by the Organization in the following cases:

- "The Organization may unilaterally terminate, suspend, or constrict this Agreement including but not limited to the following situations: (a) the Sub-Agreement coordinator states that the progress made in implementation is not satisfactory; (b) the conditions for Project implementation could not be met due to circumstances beyond the Implementing Partner's control; (c) the Funder suspends or stops funding to the Organization; (d) the Implementing Partner fails to provide all documentation required; (e) the Implementing Partner has materially failed to perform any of its obligations under this Agreement; (f) credible allegations of corrupt, fraudulent, collusive, or coercive practices in connection with the Implementing Partner and/or the Project have come to the attention of the Organization and the Implementing Partner has failed to take timely and appropriate action to address such allegations to the satisfaction of the Organization; (g) any of the representations or



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warranties of the Implementing Partner contained in clause 2 of the Specific Terms and Conditions of this Agreement (Responsibilities of the Implementing Partner) were not valid or correct or have ceased to be valid or correct; (h) the Organization has determined that an amount of the Grant has been used to finance an expenditure other than an Eligible Expenditure and the Implementing Partner has failed to refund such amount; and (i) in cases in which the lack of compliance with this Agreement poses a risk to the reputation of the Organization vis-à-vis the Funder.

**27. Lobbying and electioneering prohibition**

27.1 The Implementing Partner may not use funds to influence the outcome of any election for public office or to carry out any voter registration drive. The Implementing Partner acknowledges that the Organization has not earmarked funds to support lobbying activities or to otherwise support attempts to influence legislation.

**28. Assignment**

28.1 Except with the prior written consent of the Organization, the Implementing Partner may not assign or sub-contract its rights or obligations under this Agreement.

**29. Relationship of the Parties**

29.1. This Agreement shall not constitute or create a joint venture, partnership, consortium, pooling arrangement, or any other form of business arrangement or organization. The rights and obligations of the Parties are only those expressly set forth in this Agreement. Each of the Parties shall act as an independent contractor and not as an agent or partner of the other for any purpose whatsoever, and neither of the Parties shall have the authority to bind the other Party or make any commitments of any kind for or on behalf of the other Party except as specifically provided herein.

**30. Official notices and communications**

30.1 All notices, requests, or demands under this Agreement shall be written in English and shall be given by delivery to the addresses of Authorized Representatives for Administrative Aspects specified in Clause 13 of the Specific Terms of this Agreement. Communications by registered mail, facsimile, or electronic mail will be accepted. All notices shall be effective when received by the receiving Party. Any changes in the delivery address of either of the Parties should be promptly notified to the other Party.

**31. Conflict of interest**

31.1. The Implementing Partner warrants that, at the time of entering into this Agreement, no conflict of interest exists or is likely to arise in the performance of its obligations under this Agreement. If, during the terms of this Agreement, a conflict or risk of conflict of interest arises, the Implementing Partner undertakes to notify the Organization immediately in writing of that conflict or risk.

31.2. The Implementing Partner has an obligation to disclose any situation of actual, apparent, or potential conflict that affects its capacity to serve the best interest of the



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Organization or that may reasonably be perceived as having this effect, and to disclose to the Organization whether any staff under this Agreement with the Organization may have an interest of any kind in the Implementing Partner's business or any kind of economic ties with the Implementing Partner. Failure to disclose said situations shall be considered a breach of this Agreement and a violation of the prohibition against fraud and corruption.

**32. Fraud and corruption**

- 32.1. The Implementing Partner (including its officers, employees, and agents) shall adhere to the highest ethical standards during the execution of this Agreement and will not engage in fraud and corruption.
- 32.2. The Organization may take appropriate measures, including the termination of this Agreement, on the basis of proven acts of fraud and corruption arising out of or in connection with the performance of this Agreement.
- 32.3. Fraud and corruption are prohibited and include, but are not limited to, acts of corrupt practice, fraudulent practice, collusive practice, and coercive practice.
- 32.4. For the purposes of this paragraph, the following terms shall have the following meanings:
  - a. "Corrupt practice" is the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to improperly influence the actions of another party.
  - b. "Fraudulent practice" is any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation.
  - c. "Collusive practice" is an arrangement between two or more parties designed to achieve an improper purpose, including influencing improperly the actions of another party.
  - d. "Coercive practice" is impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to improperly influence the actions of that party.

**33. Mines**

- 33.1 The Implementing Partner warrants and represents that neither it, its parent entities (if any), nor any of the Implementing Partner subsidiaries or affiliated entities (if any) are engaged in the sale or manufacture of anti-personnel mines or components used in the manufacture of anti-personnel mines.

**34. Sexual exploitation**

- 34.1 The Implementing Partner shall take all appropriate measures to prevent sexual exploitation or abuse of anyone by its employees or any other persons engaged and controlled by the Implementing Partner to perform any services under this Agreement. For these purposes, sexual activity with any person less than eighteen years of age, regardless of any laws relating to consent, shall constitute the sexual exploitation and abuse of such person. In addition, the Implementing Partner shall refrain from, and shall take all reasonable and appropriate measures to prohibit its employees or other persons engaged and controlled by it, exchanging any money, goods, services, or other things of value for sexual favors or activities, or from engaging in any sexual activities that are exploitative or degrading to any person.
- 34.2 The Implementing Partner shall immediately report to the Organization any incidents of sexual harassment and sexual exploitation and abuse arising out of or in connection with the





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performance of this Agreement or prior to its execution, including convictions, disciplinary measures, sanctions, or investigations.

**35. Money laundering and terrorism**

35.1 The Implementing Partner warrants that, to its knowledge, no employee or agent of the Implementing Partner or any of its subsidiaries has made any payment of funds or received or retained any funds in violation of any applicable law, rule, or regulation, including without limitation any anti-money laundering laws of any applicable jurisdiction.

**36. Compliance with laws**

36.1 The Implementing Partner agrees to comply with all laws, statutes, regulations, rulings, or enactments of any governmental authority that are applicable at the place of work.

36.2 If, during the course of collaborating in the Project, the Implementing Partner carries out activities that involve the management of biological resources, genetic resources, or biodiversity, it shall respect existing national or international legal norms over such resources. It shall obtain the necessary research permits to access biological and genetic resources, respect applicable biosafety regulations, intellectual property and plant variety protection norms, and any special provisions that apply to activities under this Agreement.

36.3 Consistent with the foregoing, the Parties undertake to promote the conservation and sustainable use of biological and genetic resources.

**37. Anti-bribery and anti-terrorism**

37.1. The Implementing Partner, as well as its employees, agents, or contractors, shall not promote or engage in corruption, violence, terrorism, bigotry, drug trafficking, sexual abuse, fraud, or exploitation, or any other activity that is criminal.

37.2. The Implementing Partner shall ensure that funds provided under this Agreement are not directly or indirectly made available to third Parties that appear on sanctions lists issued by the United Nations Security Council, the EU, and the U.S. Office of Foreign Asset Control (OFAC).

37.3. The Implementing Partner shall promptly inform the Organization should it determine that any requirement under Art. 15 or any provision in this Agreement has been violated by any of its employees, agents, or contractors.

**38. Labor**

38.1 The Implementing Partner shall (i) respect the prohibition of forced or compulsory labor in all its forms; (ii) respect the freely exercised right of workers, without distinction, to organize and to further defend their interest as well as the protection of those workers who exercise their right to organize; (iii) ensure equality of opportunity and treatment with respect to employment and occupation; and (iv) ensure fair and reasonable conditions of safety, health, and welfare.

38.2 The Implementing Partner represents and warrants that neither itself, its parent entities (if any), nor any of its subsidiary or affiliated entities (if any) are engaged in any practice inconsistent with the rights set forth in the Convention on the Rights of the Child, including Article 12 thereof, which inter alia requires that a child shall be protected from performing any work that is likely



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to be hazardous or to interfere with the child's education, or to be harmful to the child's health or physical, mental, spiritual, moral, or social development.

38.3 The Implementing Partner acknowledges and agrees that the provisions hereof constitute an essential term of this Agreement and that any breach of these provisions shall entitle the Organization to terminate this Agreement immediately upon notice to the Implementing Partner, without any liability for termination charges or any other liability of any kind.

**39. Negation of employment, partnership, and agency**

39.1. The Implementing Partner shall not represent itself and shall ensure that its employees do not represent themselves as being employees, partners, or agents of the Organization.

39.2. The Implementing Partner shall not by virtue of this Agreement be or for any purpose be deemed to be an employee, partner, or agent of the Organization.

**40. Ethics and code of conduct**

40.1. The Organization aims to uphold the highest standards of ethics and conduct, and to partner with organizations that share our commitment.

**41. Force majeure**

41.1. For the purpose of this Agreement, the term "force majeure" shall mean any unforeseeable exceptional situation or event beyond the Parties' control that

41.1.1. Prevents either of them from fulfilling any of their obligations under this Agreement;

41.1.2. Was not attributable to error or negligence on their part (or of their personnel, agents, or other representatives or authorized subcontractors); and

41.1.3. Proves insurmountable in spite of all due diligence.

41.1.4. Natural disasters, major health emergencies, emergency governmental conditions, among other insurmountable cases.

41.2. If at any time during the Period of Performance it becomes impossible for one of the Parties to perform any of its obligations for reasons of force majeure, that Party shall promptly notify the other in writing of the existence of such force majeure. The Party giving notice is thereby relieved from such obligations as long as force majeure persists.

41.3. The Implementing Partner shall not be entitled to payment if it is prevented by force majeure from performing the tasks assigned.

41.4. In the event the force majeure event persists for more than three months, the Parties are free to terminate this Agreement by giving written notice to the other.

**42. Settlement of disputes**

42.1. Unless differently provided in the Specific Terms of this Agreement and without prejudice to the foregoing, any dispute or disagreement arising from the interpretation or execution of this Agreement shall be settled by arbitration as follows:

42.1.1. Both Parties will first endeavour to settle any difference amicably by direct dealings.

42.1.2. If no agreement is reached within sixty days, the matter will be submitted to arbitration upon the application of either Party.



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- 42.1.3. There will be three arbitrators, one to be appointed by the Organization, one by the Implementing Partner, and the third, as chair, jointly appointed by both Parties.
- 42.1.4. In case of disagreement, the third arbitrator will be appointed according to the Rules of the United Nations Commission on International Trade Law (UNCITRAL). The UNCITRAL Rules will apply to any arbitration proceedings and arbitration will be carried out in Italy and the official language of the proceedings will be English.
- 42.1.5. The applicable law for the dispute resolution shall be the General Principles of Law that are deemed to include the UNIDROIT Principles for International Commercial Contracts.
- 42.1.6. No failure or delay by either Party in exercising any of its rights under this Agreement shall be deemed to be a waiver of that right, and no waiver by either Party of any breach of this Agreement by the other shall be considered as a waiver of any subsequent breach of the same or of any other provision.

## SCOPE OF WORK

### 1. Background

India, which is a recognized mega-diversity centre, possesses unique crop diversity, including a number of crops that have long been naturalized here. This diversity remains under threat from the continuing adoption of modern high yielding varieties (HYVs), changes in land use and agricultural practices, social trends, national policy to promote HYVs, weak seed system and climate change. Nevertheless, this crop diversity that exists in several pockets around India continues to be a major natural asset and represents an essential element in the livelihood strategies of the much of the rural population. Traditional crops and varieties conserved by the Indian farmers over generations have been utilised in crop improvement programmes, the value of which has increased further in the context of the challenge of climate change. Understandably, while the progressive farmers with medium to large farm holdings opt more readily for modern and improved high yielding open pollinated varieties and hybrids, it is the small and marginal farmers, many of them located in far flung and tribal belts in the country, which continue to grow landraces and conserve biodiversity in agricultural crops. The crop diversity available with Indian farmers now constitutes an essential resource to deal with the challenges of adapting to climate change with continuing rise in temperature, changes in rainfall quantities and patterns and an increasing frequency of extreme events. Thus, the Project will develop local community-based approaches, together with the necessary national framework that will enable the conservation and use of crop diversity to be mainstreamed into India's agricultural production and environmental management strategies. This will be achieved by three inter-linked components that address:

### 2. Objective

The Sub-grant will contribute to mainstream the conservation and use of agricultural biodiversity for resilience in agriculture and sustainable production to improve livelihoods and access and benefit sharing capacity of farmer communities across four agro-ecoregions of India. This is being done through a number of tested community-based participatory approaches which support the maintenance of existing crop diversity and the introduction and deployment of appropriate new materials of target crops. The various approaches include awareness campaigns, seed fairs, diversity fora, strengthening seed supply systems and the establishment of community genebanks, and other adaptive technologies that enable farmers to adopt and benefit from diversity rich solutions.

The project work directly with farmers and communities to mainstream crop diversity on farm to address the challenges they are facing due to change in climate. This includes participatory evaluation and identification of suitable crop diversity and improved awareness and information on varietal adaptation based on scientifically sound evidence and its validation by farmers and communities, including men's and women's self-help groups. Income and other livelihood improvement actions through value addition and unique product development from local crops and landraces and their commercialization through effective market links to support mainstreaming. The project places special emphasis on capacity building and empowerment of women through conservation and use of agricultural biodiversity.



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The project also aims to develop national and regional level strategies and plans on integrated sustainable agricultural improvement and use of agricultural biodiversity that will improve ecosystem services and provide an enabling environment for diversity deployment in order to support adaptation of agricultural ecosystems. In addition, the project also strengthens relevant institutions and build the capacity of rural communities to enable custodians of agricultural genetic resources to share the benefits of the materials they are conserving and ensure recognition of the role of agricultural biodiversity by the agricultural sector. The project also strengthens the capacity of research, extension and outreach workers maintaining gender equity to identify and support the implementation of diversity rich solutions in close collaboration with farmers and rural communities.

### 3. Key deliverables and activities

The Implementing Partner will deliver on

- The adaptive management of crop diversity for resilient agriculture and improved livelihoods.
- Extent and distribution of genetic diversity is determined, together with documentation of factors that shape farmer decisions on diversity maintenance, including challenges presented by climate change.
- New and traditional crop genetic diversity meeting farmers' needs and able to enhance ecosystem function, resilience and adaptation to climate change identified and made available.
- Improved farmers' access to genetic materials at all project sites through establishment of community biodiversity registers (CBRs), community seed banks (CSBs), and diversity fairs.
- Production and non-market benefits/incentives from management and sustainable use of crop genetic diversity by farming communities identified and relevant intervention strategies for capturing and enhancing such benefits developed.
- Local, regional and national markets identified, and market chains developed to provide improved benefits to farmers and communities in all project sites for sustainably produced crop diversity products.
- Mechanisms for improved coordination and implementation to promote better management of conservation, use and sharing of crop diversity developed and supported by relevant policy instruments, regulations, strategies and plans including access and benefit sharing.
- Improved agricultural support systems (Research, Outreach and extension) institutional Frameworks and partnership at national, regional and local levels to ensure improved agricultural biodiversity conservation, adaptability, resilience and farmer livelihood.



## 4. Work plan

Outputs/Activities <sup>3</sup>	2021	2022	2023
<b>COMPONENT 1: Adaptive management of crop diversity for resilient agriculture and improved livelihoods</b>			
<b>Output 1.1: Extent and distribution of genetic diversity of 20 crops in 4 agro-ecoregions determined and factors that shape farmer decisions on diversity maintenance, including challenges presented by climate change documented</b>			
Activity 1.1.4 Analyse baseline data to develop diversity distribution maps			
Activity 1.1.5 Synthesise climate (current and future) data sets and identify suitable General Circulation Models (GCMs) for developing crop suitability maps of the target crops across project sites			
Activity 1.1.6 Develop database of crop genetic diversity, their distribution and associated traditional knowledge for resilience in agriculture			
Activity 1.1.7 Identify new genetic adaptive diversity needed for resilient agriculture to address climate change threats for target crops and multiply seeds for field trials			
<b>Output 1.2: Identification of new and traditional crop genetic diversity that meets farmers' needs and is able to enhance ecosystem function, resilience and adaptation to climate change</b>			
Activity 1.2.1 Develop crop specific set of descriptors that also include farmers descriptors to judge the performance of varieties by the farmers and communities			
Activity 1.2.2 Identify potential landraces and Farmers' varieties for developing new crop varieties for adaptation to climate change and sustainable agriculture			
Activity 1.2.3 Conduct Mother and Baby trials for target crops by champion farmers			
Activity 1.2.4 Establish farmers' feedback information sharing mechanism to identify best performing varieties through farmers' participation			
Activity 1.2.5 Develop database of varietal choices for each crop across project site through Baby trials and farmers' feedback			
Activity 1.2.6 Organise crop diversity fairs and farmers' field days across project sites to document farmers' needs to adapt to climate change			

Alliance



Sub-Agreement N°: L22DEL122

Outputs/Activities <sup>3</sup>	2021	2022	2023
Activity 1.2.7 Organise Farmers' exchange visits across project sites for cross learning			
<b>Output 1.3: Farmer identification, improvement and use of adaptive crop diversity through field experimental networks</b>			
Activity 1.3.1 Undertake seed multiplication of new and traditional crop varieties identified by farmers			
Activity 1.3.2 Test and Conduct crowdsourcing trials across project sites to promote adaptive crop diversity			
Activity 1.3.3 Organise farmers' field days and farmers' exchange visits and cross-learning			
Activity 1.3.4 Initiate at least 1 Participatory Plant Breeding (PPB) programme for climate resilient variety development in one crop per site			
Activity 1.3.5 Establish Farmers' Field Schools and Village Climate Risk Management Committees to promote use of crop diversity and resilience agriculture			
<b>1.4 Improved farmers' access to genetic materials in all project sites through establishment of community biodiversity registers (CBRs), community seed banks (CSBs) and diversity fairs</b>			
Activity 1.4.2 Establish at least one Community Biodiversity Register (CBRs) across project sites following standard guidelines and in association with State Biodiversity Board (SBB)			
Activity 1.4.3 Establish at least one Community Seed Bank (CSBs) across each project site following standard scientific guidelines			
Activity 1.4.4 Develop a self-learning training manual for establishment and management of CBRs and CSBs			
Activity 1.4.5 Develop guidelines for seed regeneration, multiplication and distribution for CSBs			
Activity 1.4.6 Develop guidelines for the management by communities of CSBs and seed exchange network at site, district, state and national level			
Activity 1.4.7 Organise diversity fairs to promoter broadening of crop genetic base across project sites			
<b>1.5 Identification of production and non-market benefits/incentives from management and sustainable use of crop genetic diversity of 20 crops in four agro-ecoregions and relevant intervention strategies for capturing and enhancing such benefits</b>			
Activity 1.5.1 Identify and analyze current disincentives/ incentives for the conservation and use of crop diversity at national level			



## Sub-Agreement N°: L22DEL122

Outputs/Activities <sup>3</sup>	2021	2022	2023
Activity 1.5.2 Analyze current production and non-market values and benefits arising from the maintenance of crop diversity by farmers across project sites			
Activity 1.5.3 Identify, design and test possible mechanisms to support the realization of selected production and non-market benefits across project sites			
Activity 1.5.4 Formulation and promotion of recommendations for the identification, capture and enhancement of such production and non-market benefits			
<b>1.6 Identification of local, regional and national markets and market chains development for 20 crops to provide improved benefits to farmers and communities in all project sites for sustainably produced agricultural biodiversity products</b>			
Activity 1.6.1 Develop database of health and nutritional value of the target crops			
Activity 1.6.2 Prepare list of local products that are biodiverse (food and non-food) and have market potential			
Activity 1.6.3 Conduct market studies to assess the market value of the selected products and identify the value chain actors required to facilitate upgrading strategies and market development			
Activity 1.6.4 Promote and popularise identified products and establish market links			
Activity 1.6.5 Establish and strengthen self-help groups (SHGs) involving women's participation and link with local as well as distinct markets through Farmer-Public-Private-Partnership (FPPP)			
Activity 1.6.6 Develop entrepreneurial capacity of small-scale local producers and processors			





## Sub-Agreement N°: L22DEL122

<b>2.3 Develop and propose model agreements that regulate access and benefit sharing with farmers' communities and recognize the core principles of Access and Benefit Sharing (ABS)</b>		
2.3.1 Organise National (at least one) and regional (at least one in each region) level meetings of the stakeholders to identify the crucial issues for developing an ABS		
2.3.2 Conduct advocacy campaign that promote leadership capacity of farmers' enabling them to participate in local and national decision-making forum		
2.3.3 Develop model agreements for sharing indigenous plant genetic resources and traditional knowledge maintained by farmers		
2.3.4 Develop and implement access and benefit sharing agreements that incorporate Free, Prior Informed Consent (FPIC) on mutually agreed terms with farmer communities		
<b>2.4 National and regional strategies and plans on integrated sustainable agricultural improvement, use and benefit sharing of agricultural biodiversity developed and supported by implementation programmes of work</b>		
2.4.1 Organize National and Regional level consultations on main streaming crop diversity conservation and use in agriculture		
2.4.2 Develop national (at least one) and regional (at least four) action plans for sustainable agriculture using crop genetic diversity and defining ABS		
2.4.3 Develop simple to operate ABS mechanism which protects national interest and is in tune with the International conventions		
2.4.4 The action plan developed for use of crop genetic diversity and access and benefit sharing submitted to relevant national and regional authorities for implementation		
<b>Component 3. Improved agricultural support systems, institutional frame works and partnerships that support crop diversity on farm</b>		
<b>3.1 Organise one national and eight regional level awareness raising campaign son the value of agricultural biodiversity; its maintenance and use for resilient agriculture for different stakeholder groups including farmers, government ministries and agencies, policy makers, researchers, extension</b>		
3.1.4 Establish inter disciplinary national working groups with core mandate to identify possible policies and strategies that promote the maintenance and utilization of agricultural biodiversity to address the challenges of climate change and food security		
3.1.5 Develop awareness raising strategy and action plan, including training programmes to build capacity and awareness of strategy and policy options and main streaming tools and disseminate relevant information		
<b>3.2 Enhance capacities of researchers, extension and outreach staff, farming communities and local institutions in selecting and deploying adapted crop diversity through participatory approaches</b>		
3.2.4 Organise trainings for different stake holders in collaboration with the academic Institutions and introduce regular training programmes		
3.2.5 Organise training of farmers and communities to establish farmer biodiversity federation /associations and their management		
<b>3.3 Strengthen research programmes that support mainstreaming of agricultural biodiversity and its improved use for ecosystem function, resilience and adaptability activities</b>		
3.3.4 Establish integrated R&D working group to develop innovative research proposals on agricultural Biodiversity management and climate change adaptations at national and regional levels		
3.3.5 Develop integrated agricultural biodiversity management courses at certificate and diploma levels		
3.3.6 Organise and hold biennial national agricultural biodiversity symposium to showcase relevant research and Review outline programme of work		

## Schedule of Reporting and Disbursements

### 1. Schedule of reporting

No.	Report	Reporting period	Submission by
1	Technical, Financial Report and Co-financing report <i>(for the financial report, a detailed transaction list of expenditures is required)</i>	January 1, 2022– May 31, 2022	June 30, 2022
2	Technical and Financial Report <i>(for the financial report, a detailed transaction list of expenditures is required)</i>	June 1, 2022 - November 30, 2022	December 31, 2022
7	Final Technical, Financial Report and Co-financing report <i>(for the financial report, a detailed transaction list of expenditures is required)</i>	Entire implementation period	April 30, 2023

No.	Disbursement amounts	Conditions for payment
1	USD 4,371 - 30% of total budget	Agreement signed by both Parties
2	USD 4,371 - 30% of total budget	Approval of Technical and Financial Report due on June 30, 2022, detailing the spending of at least 80% of previous installment
3	USD 4,371 - 30% of total budget	Approval of Technical and Financial Report due on December 31, 2022, detailing the spending of at least 80% of previous installments
3	USD 1,458 - 10% of total budget	Approval of Final Technical and Financial Report due on April 30, 2023

### 2. Banking instructions (if different from those provided with the bank account certification letter during the due diligence process, please provide an updated bank account certification letter).

a. Currency of Bank Account	INR (Indian Rupees)
b. Bank Account Number	30500576719
c. Name of Account Holder	Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior
d. Bank Name	State Bank of India
e. Bank Address	Physical College Campus, Shakti Nagar, Mela Road, Gwalior
f. IBAN Code	SBIN0002875
g. SWIFT Code	

Alliance



Sub-Agreement N°: L22DEL122

The choice of the bank or financial institution is the sole responsibility of the Implementing Partner. Any changes to these banking details must be expressly and officially notified in writing in due time by the Implementing Partner and acknowledged by the Organization. Accuracy is the responsibility of the Implementing Partner. The Organization accepts no responsibility for delays or additional bank charges arising from incomplete or inaccurate banking details that are the responsibility of the Implementing Partner and do not justify additional claims.

Alliance



Sub-Agreement N°: L22DEL122

Annex 4

## Budget and Financial Reporting Templates

See attached Excel document.

Alliance



Sub-Agreement N°: L22DEL122

Annex 5

## Cover Sheet for Technical Report

All required sections of this Fact Sheet are completed by the author of the report. Once completed, this Fact Sheet should be sent with the report.

<b>TITLE of SUB-AGREEMENT</b>	Mainstreaming agricultural biodiversity conservation and utilization in agricultural sectors to ensure ecosystem services and reduce vulnerability
<b>SUB-AGREEMENT NUMBER</b>	L22DEL122
<b>IMPLEMENTING PARTNER</b>	Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya (RVSKV)
<b>AUTHOR OF THE REPORT</b>	
<b>DATE SUBMITTED</b>	
<b>TYPE OF REPORT</b>	
<b>ABSTRACT (maximum 200 words)</b>	
<b>KEYWORDS</b>	Country/region: Crop(s): Subject:



Sub-Agreement N°: L22DEL122

Annex 6

## Agreement with the Funder



No. AASD-25/SAU/MOU/2018

भारत सरकार  
भारत मौसम विज्ञान विभाग  
मौसम भवन, लोदी रोड,  
नई दिल्ली - 110 003



Government of India  
India Meteorological Department  
Mausam Bhavan, Lodi Road,  
New Delhi - 110 003

Dated: 28/09/2020


To,  
Director Research Services,  
Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya,  
Raja Pancham Singh Marg,  
Gwalior (M.P.)-474002

Subject: - Memorandum of Understanding

Respected Sir,

Kindly find enclosed duly signed Memorandum of Understanding between India Meteorological Department and Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya on GKMS.

Yours faithfully,

  
(Ashok Kumar)  
30.09.2020  
Meteorologist-'A'

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M  
2-10-20  
R GKMS & MOU  
&



**-DIRECTORATE OF RESEARCH SERVICES**  
**Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya,**  
Raja Pancham Singh Marg, Gwalior (M.P.) - 474 002

ASD-1417

Dr M.P.Jain

27/03/2020

Ph. No. 0751-2970509 (Tele-Fax)

Email-drsrvskvv@rediffmail.com

Director Research Services

No. DRS/TO/2020/ 2924

Date: 20-03-2020

To, ✓

Dr Priyanka Singh,  
Scientist C, AASD,  
India Meteorological Department,  
Ministry of Earth Sciences,  
New Delhi

**SPEED POST**

Sub: Signing of MoU between India Meteorological Department (IMD) and RVSKVV, Gwalior under Gramin Krishi Mausam Seva (GKMS) scheme -reg.

In response of your email on dated 13.3.2020, please find enclosed herewith the signed MoU between India Meteorological Department (IMD) and RVSKVV, Gwalior under Gramin Krishi Mausam Seva (GKMS) scheme for implementation of the GKMS project under this University.

No. DRS/TO/ 2020/ 2925

CC: for favour of information to:

1. P.S. to Hon'ble Vice Chancellor, RVSKVV, Gwalior.

Director Research Services

Date: 20-03-2020

Director Research Services

Rohit





**MEMORANDUM OF UNDERSTANDING**

**Between**

**RAJMATA VIJAYARAJE SCINDIA KRISHI VISHWA VIDYALAYA  
GWALIOR 474 001 M.P**

**And**

**INDIA METEOROLOGICAL DEPARTMENT  
MINISTRY OF EARTH SCIENCES  
GOVERNMENT OF INDIA**

**On**

**GRAMIN KRISHI MAUSAM SEWA**

TC:  
M ✓  
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MEMORANDUM OF UNDERSTANDING (MoU) BETWEEN RAJMATA VIJAYARAJE SCINDIA KRISHI VISHWA VIDYALAYA, GWALIOR 474 001 M.P AND IMD FOR COLLABORATION IN GRAMIN KRISHI MAUSAM SEWA

1. This memorandum of Understanding made this day, i.e. 19.03.2020 between the India Meteorological Department (IMD), Ministry of Earth Sciences(MoES) with its office at Mausam Bhawan, Lodhi Road, New Delhi – 110003, (hereinafter referred to as “IMD” which expression shall unless excluded by or repugnant to the context be deemed to include its successors in office and assignees) of the one part AND the Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior 474 001 M.P. established by Government of Madhya Pradesh vide ordinance No.4 of 2008 notified in the Extraordinary Gazette No.507 dated 19<sup>th</sup> August, 2008 which expression shall, unless excluded by or repugnant to the context, be deemed to include its successors in office and permitted assignees) of the other part.

Whereas the Government of India has entrusted upon India Meteorological Department (IMD) the task of development of Agro-Meteorological Advisory Services in the country. In pursuance hereof, IMD has set up in the country a network of about 130 Agro-Meteorological Field Units (AMFUs), which are multidisciplinary units responsible for preparation and dissemination of agromet advisories. Whereas the RVSKVV is willing to continue as AMFU set up and functioning at Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior 474 001 M.P. under its jurisdiction. Now, it is hereby agreed as follows:

2. Each AMFU will be manned by an Agro-meteorologist who would utilize the relevant meteorological products provided by IMD to generate specific advisories for agricultural management for the respective district and Agro Climatic Zones (ACZ) identified under the area of its jurisdiction and disseminates the same to the farming community. In addition to that an OBSREVER will be appointed who will record the observation and transmit on real-time basis to IMD and also assist the Scientist in maintenance of the observatory. The responsibilities of AMFUs would include preparation of weather based advisories for management practices in agriculture after due consultation with subject matter specialist/scientists/professors of concerned disciplines and disseminate the same to the end users using all possible modes of communication. It will also liaise and engage with Indian Council of Agricultural Research (ICAR), District Agriculture/Horticulture/Animal husbandry Officers, KrishiVigyan Kendras (KVKs) and other agencies to render Agromet Advisory Service in a holistic manner. It will also disseminate advisories through all possible means to have outreach up to village level and arrange to provide necessary feedback to IMD for development of:
- i) Relevant Agromet Advisories for the stressed crops/livestock etc.
  - ii) Regional/locale-specific agromet predictive models;
  - iii) Crop-weather relationships and crop calendar
  - iv) Forewarning models for weather and climate based pests and disease etc.

KKA

- v) The responsibility of mentoring and guiding respective KVKs under their ACZ jurisdiction to build and operate District Agro-Met Units (DAMU) to serve district/sub-district specific AAS responsibility at par with AMFUs.

### 3. OBLIGATIONS OF IMD

- 3.1 IMD agrees to provide weather forecast in quantitative terms at appropriate scale to the AMFUs, with due guidance/support from coordinators from AASD, New Delhi.
- 3.2 IMD agrees to provide grant-in-aid to AMFUs subject to personal and budgetary limitations imposed by the government from time to time after submission of duly audited utilization certificate, duly audited statement of expenditure and demand for grant-in-aid by the grantee University/Institution, for defraying expenditure towards salaries of one Scientist and one Observer, travel expenses of the staff approved by IMD and appointed/engaged by the AMFUs exclusively for operating the agro-met advisory services. Grant-in-Aid will cover the salary (as defined by GOI) for posts of Scientist in the scale of Rs.15600-39100 (GP Rs. 6000/-) and Agromet Observer in the scale of Rs. 5200-20200 (GP Rs. 2000/-) with Dearness Allowances (DA), House Rent Allowances (HRA) and annual increment as per 6<sup>th</sup> CPC on contractual basis year-on-year based on performance review and shall be co-terminus with the GKMS scheme. This will be applicable where entry level starts with basic pay of Rs.15600-39100 (GP Rs. 6000/- as per 6<sup>th</sup> CPC). Therefore, the host institute can appoint/continue the manpower in the scale of Rs.15600-39100/- + AGP of Rs.6000/- as per the 6<sup>th</sup> CPC. Promotion to AGP higher than 6000/- shall not be considered in this scheme.
- 3.3 As per proposed 7<sup>th</sup> CPC for Universities/Institutes, the emoluments of Scientist will be Rs.57700/- (starting basic pay= Rs.57700/-, Level-10) in the scale of Rs.15600-39100/- and of Observers will be 21700/- (Level-3) plus Dearness Allowances, House Rent Allowances and annual increment as per para 3.2 above.
- 3.4 In addition to the item no. 3.2 and 3.3, if the university intends to continue / recruit manpower with the grade pay higher than Rs. 6000/-, then the difference from above emoluments will have to be paid by the host institute.
- 3.5 IMD agrees to provide support for on-line preparation of Agromet advisory bulletin.
- 3.6 IMD will supply/replace the meteorological instruments and sensors for installed Automatic Weather Stations (AWS) and carry out periodic inspections as required.
- 3.7 Contingent expenses including consumables, telephone, fax, SMS charges, stationary, publication, etc. necessary for effective functioning of agro-met advisory services.
- 3.8 Development of human resources related to the AAS as approved by IMD.
- 3.9 IMD shall act upon the documentation prepared by AMFU's on services rendered by them in order to assess the efficacy of the services and carry out over all supervision.
- 3.10 Setting up smart telecommunication system and providing required instruments and software for uninterrupted data flow from the proposed observatories to IMD.
- 3.11 Providing processed data recorded at (Name of the Institute) after proper scrutiny for utilization in different research activities as well as for improvement of agro advisories, based upon specific requests for R&D work in relevant area.

KW

4. **OBLIGATIONS OF THE** Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya,  
Gwalior 474 001 M.P. (AMFUs)

The Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior 474 001 M.P.  
(AMFUs) agrees

- 4.1 To constitute an Expert panel with participation of district level representative from State Department of Agriculture, Horticulture and Animal Husbandry to prepare bulletin in a more relevant and purposeful.
- 4.2 Prepare and disseminate weather based agromet advisory bulletins (bi-lingual) for different parts of districts and Agro Climatic Zones.
- 4.3 Disseminate advisories through SMS, firms under PPP mode, extension agencies & other modes of communication and uploading in the Divisions website, print media etc.
- 4.4 To organize/participate in awareness activities to popularize Agromet Advisory Service and willingness to undertake impact assessment studies under grant-in aid program.
- 4.5 To monitor the dissemination status of SMS advisory through dashboard and generate weekly statistics and account of SMS distribution.
- 4.6 To provide security and maintain Agro-meteorological observatory/Automatic Weather Stations with full custodial responsibility.
- 4.7 Record observation (0700 LMT and 1400 LMT, 0300 UTC (i.e. 08.30 hrs IST) and 12 UTC (i.e. 17.30 hrs IST) including soil moisture observation and update the data in archival.
- 4.8 Prepare data base for weather and crop observations and update on real time.
- 4.9 Assist in preparation of local climatological information and agricultural data from districts.
- 4.10 Submit annual progress report, utilization certificate/statement of expenditure duly audited and signed by the competent authority by end of financial year.
- 4.11 To make available experimental field data for calibration and validations of crop models and to indentify weather sensitivity of crops, animals, P&D and management practices.
- 4.12 The essential qualification for the post of Scientist is Post-Graduation in Agrometeorology. If candidates with Agrometeorology qualification are not available, then candidates with qualifications in Agronomy/Meteorology/Agriculture Physics may be considered. The essential qualification of the Observer will be 10+2 from science stream along with the basic knowledge of computer operations. The Scientist will be engaged as per AMFUs guidelines. All the rules and regulations of the respective host organizations, as well as annual review based contractual appointment will apply.

*KR*

## 5. Joint Responsibilities

- 5.1 Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior 474 001 M.P. hereby agrees to continue the support in respect of facilities established through grant-in-aid by IMD at the end of project period when IMD support may be phased out.
- 5.2 The agro-advisory services are essentially a cooperative venture. Any matter not covered specifically in the Memorandum of Understanding (MoU) may be settled by mutual agreement. On points where disagreement persists, the matter may be referred to the Secretary, MoES for a decision, which shall be final and binding on the both the parties.
- 5.3 Both IMD and AMFUs will make use of the data generated from observatory/AWS for agricultural research and advisory purpose.
- 5.4 Both parties acknowledge the confidentiality of the information which may be transferred between the parties or obtained or developed during the course of this exchange from time to time as being essential to this MoU and agree not to disclose the same to any third party without prior permission.

## 6. EXTENSION/TERMINATION OF MoU

Three months prior to this memorandum of understanding (MoU) coming to an end the operation of this understanding may be extended by mutual consent for such period or periods as may be considered desirable.

Requests for any major change or termination of this MoU shall be furnished by either party to the other for consideration not less than 90 days in advance of the desired date for effecting change/termination. However, all liabilities for the parties accrued during the period of operation of MoU such as settlement of accounts, handing over of completed research works / results, final drawings, etc., will survive even after the expiry of the MoU. All the equipment and material set up by IMD shall be the property of IMD and shall be restored to IMD in case of termination of MoU.

## COMING INTO FORCE

This MoU shall be deemed to have come into force from the date specified herein and shall continue for a period of five years. All rights and obligations of IMD and Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior 474 001 M.P. shall be deemed to have commenced and accrued from that specified date.

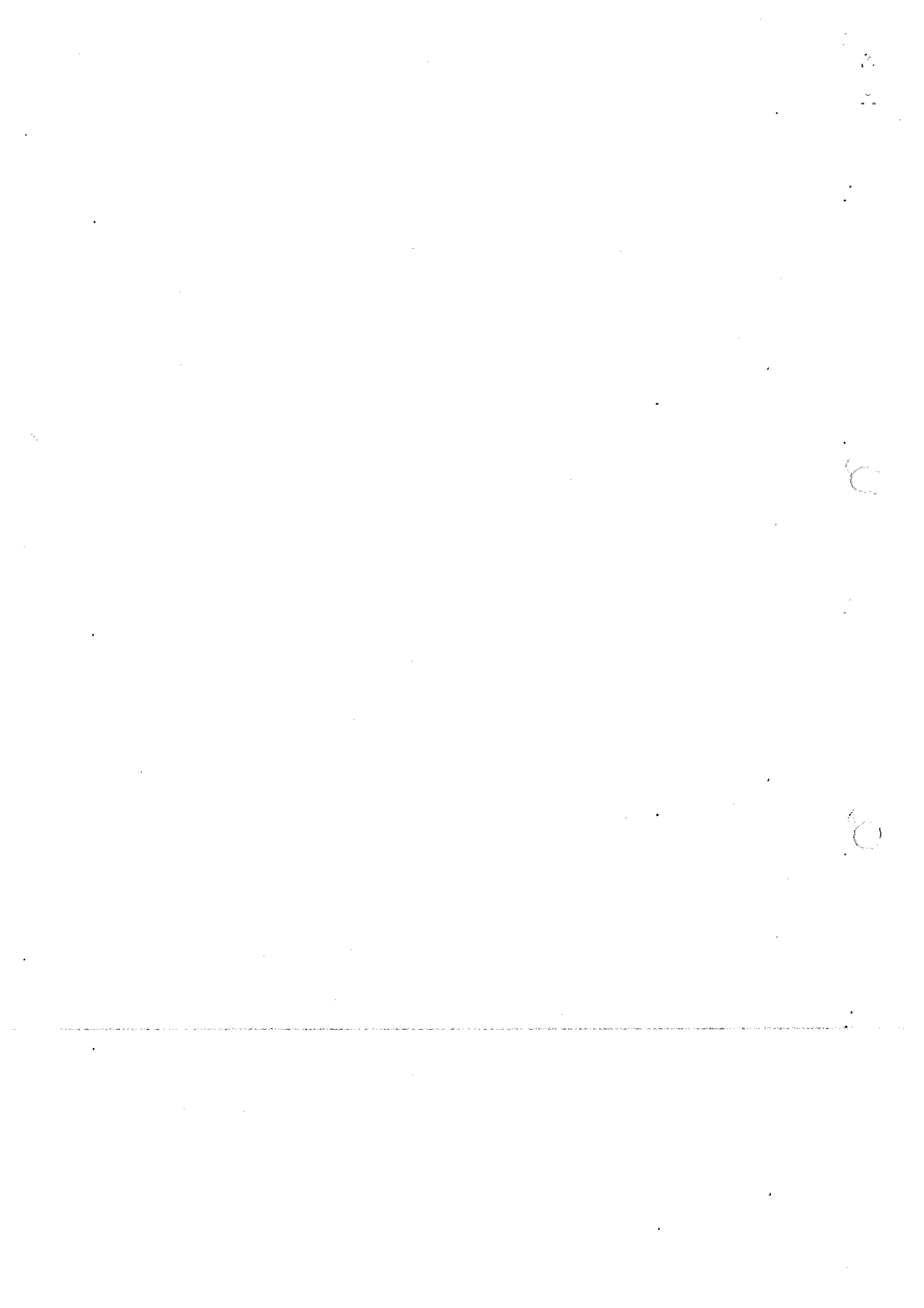
In witness whereof the parties here to have executed this Memorandum of Understanding.

For and on behalf of  
India Meteorological Department

Dr. Kamlesh Kumar Singh  
वैज्ञानिक-जी / Scientist-G  
भारत मौसम विज्ञान विभाग / India Meteorological Department  
पृथ्वी विज्ञान मंत्रालय / Ministry of Earth Sciences  
मौसम भवन, लोदी रोड, नई दिल्ली - 110003  
Mousam Bhawan, Lodi Road, New Delhi - 110003

For and on behalf of  
Rajmata Vijayaraje Scindia Krishi Vishwa  
Vidyalaya, Gwalior

DIRECTOR RESEARCH SERVICES  
Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya  
Gwalior - 474002 - M.P. India





**INDIAN COUNCIL OF AGRICULTURAL RESEARCH**  
**KRISHI BHAWAN, NEW DELHI-110001**

F.No. 8(36)/2019-Cdn. Tech.

Dated the 17<sup>th</sup> August, 2020.

To

**The Vice-Chancellor**  
Rajmata Vijayaraje Scindia,  
Krishi Vishwa Vidyalaya,  
Gwalior, Madhya Pradesh - 474002.

Sub: Umbrella MoU between ICAR and Host Institutions -  
Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior,  
Madhya Pradesh -reg.

\*\*\*\*\*

Sir,

Please refer to letter No. DRS/TO/2020/76 dated 16/06/2020 on the above-mentioned subject. A copy of the Umbrella MoU duly signed is enclosed herewith for your records please.

Thanking You.

Yours faithfully,

**(S.P.KIMOTHI)**

Asstt. Dir. General (Coord.)

Tele. 23073124

**Encl: As Above.**

*Encl: VC/20-21/3489  
26/08/2020*

*Copy to DRS/Registration  
25/8/20*

*70  
ML  
27/8/20*

*RT MOU  
SR*

**UMBRELLA MEMORANDUM OF UNDERSTANDING BETWEEN ICAR AND RVSKVV, GWALIOR**

**MEMORANDUM OF UNDERSTANDING BETWEEN THE INDIAN COUNCIL OF AGRICULTURAL RESEARCH AND THE RAJMATA VIJAYARAJE SCINDIA KRISHI VISHWA VIDYALAYA, GWALIOR IN RESPECT OF ALL INDIA COORDINATED RESEARCH PROJECT/ REVOLVING FUND/ ANY OTHER SUCH SCHEME SANCTIONED BY ICAR**

The Indian Council of Agricultural Research herein after called "Council" and the Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior herein after called "Host Institution (Agricultural University)" agree to cooperate in conducting research through All India Coordinated Research Projects (AICRPs)/Revolving Fund Scheme/ and any other such schemes/ sanctioned by the Council under various schemes to the Host Institution from time to time at specified location(s) under the specified Supervisor/Principal Investigator/Leader of the Host Institution.

**In order to achieve the objective set out in the Project within the targeted time, the Council and the Host Institution agree to follow the following terms and conditions:**

**A. Funding by ICAR**

ICAR will fund the projects to host institution for the following components;

1. The grant will not be regarded as a subvention towards the normal work of the State Agriculture or Animal Husbandry Department or of the University of institution, but will be exclusively utilized for the scheme for which it has been sanctioned.
2. Salaries of the scientific, technical, administrative and finance as approved under the project under 'Grant-in -Aid' Salaries. This may include the revised salary of the staff taking into consideration the promotion of staff during the period of the EFC, as approved by ICAR.
3. Traveling allowances as per the sanctioned financial provision of the project.
4. Budget approved in the project under 'Grant-in-Aid-Capital' and 'Grant -in-Aid-General' towards meeting of expenditure for procurement, of equipments as well as other Recurring expenditures such as Research/Operational/Administrative expenses.
5. ICAR will restrict the grant for the salaries of the scientific, technical and other staff provided in the scheme/project, to the specific positions sanctioned in the project and difference, if any, on account of their promotion/Assessment/financial upgradation would be borne by the Host Institution, if not provided in the financial sanction of the project.
6. Funding in AICRP will be 75:25 between ICAR and Host Institution for the net financial requirement of AICRP for items from (2) to (4) above. However, keeping in view the fact the Scientific/technical staff that are engaged in the project, get promotion assessment in the time bound manner, council will release the fund for their enhanced pay and allowances, if sanctioned in the EFC and their retention is in



the interest of the project and necessary budgetary allocation is there. For this, it would be imperative to fix a sunset date of each project .

7. The staff engaged in the projects may be adjusted by the Host Institution in their other projects. Once the ICAR project attains the sunset date and there will no financial liability of ICAR on this account thereafter.

**B. Role of the Host Institution**

- i. The scientific staff provided exclusively for the project at the Council's cost would be utilized exclusively for the project work. However, exceptional cases, they may be engaged for teaching or guiding research. While doing so, it may be ensured that implementation of the project work should not suffer. Such engagements should in no case be at the cost of the project work and would not exceed 25% of the time of the scientist. In case of any absorption/termination of services of the project staff after the completion/termination of the project work, it would be the sole responsibility of the Host Institution and at their full cost.
- ii. To effectively implement the project within six months from the date of the sanction of the project by the Council.
- iii. Before a scheme is started and the staff required therefore is appointed, the officer responsible for the administration of the scheme will ensure that the requisite facilities by way of suitable and irrigation and drainage, arrangements for cultivation, animals for experimentation (in the Animal Science Schemes), equipments and apparatus and other related facilities are available at the commencement of the scheme and the appropriate times thereafter.
- iv. Change of Supervisor/Principal Investigator/Leader would invariably be avoided. However, in exceptional cases, such changes may be agreed to, only after the approval of the council.
- v. The Host Institution would ensure the satisfactory progress of work under the project as per the approved technical programme. In the event of unsatisfactory progress of work, the Council would reserve the right to withdraw the sanction of the project with an advance notice of three months.
- vi. To provide skilled and unskilled labour as and when required for the project work and provision of the same be made in the project.
- vii. To provide and allow the project Supervisor/Principal Investigator/Leader to interact and exchange scientific materials, techniques, technologies, literature etc. To other Research Centres within the State as well as outside the state and to all others once specifically asked for by the council.
- viii. The grantee institution shall give every assistance and cooperation of the Project Coordinator (Zonal Coordinator) Technical project leaders etc to enable them to discharge their function fully and freely. The grantee institutions shall also agree to perform other service, especially in support of the research work under the coordinated research project, such as testing and evaluation of research material findings at the other experimental stations under the control of the grantee institution.



- ix. To permit the scientific staff to attend would attend relevant Workshops, Seminars, Symposium, Conferences, Group Meetings etc., organized by the Council/ Host Institution as per mandate of the project.
- x. To provide full financial powers to Supervisor/Principal Investigator/Leader of the project.
- xi. The final report of the project (with requisite copies) would be submitted to the Council within three months from the date of the closure of the Project and final settlement of account would be made within three months (six months from the closure the project) from the date of the final submission of the accounts and acceptance of the final report. Along with the final report, a note on salient achievements of the project since inception would also be submitted.
- xii. The grantee institution shall also ensure that research work included under the coordinated-projects is not duplicated outside the project at any centre under the jurisdiction of the grantee institution unless special circumstances warrant this and unless the Council gives specific approval.
- xiii. The grant paid by the Council shall be refunded by the State Government/Agriculture University or other grantee institution if and when the grantee concerned discontinue scheme midway on its own or does not follow the detailed technical programme laid down and approved by the Council.
- xiv. The members of staff on the research projects/schemes will for all practical purposes be treated as employees of the grantee institution, from part of the approved cadres thereof and will be subject to the administrative control of the institution. In case of coordinated research project, the Project coordinator and other staff of the coordinating unit of the project will be recruited by the Council while the other staff employed in the project/centre in a grantee institution shall be appointed by the institution according to the respective recruitment rules but conforming to the minimum qualifications laid down by the Council.
- xv. Before a scheme is started and the staff required therefore is appointed, the officer responsible for the administration of the scheme will ensure that the requisite facilities by way of suitable and irrigation etc., arrangements for cultivation, animals for experimentation (in the Animal Science Schemes), equipment and apparatus are available at the commencement of scheme and at the appropriate times thereafter.
- xvi. The staff on the project/scheme should be chosen by selection and the normal recruitment rules and procedures applicable to the grantee institutions may be followed. In case of recruitment of staff, for all positions corresponding in status to Class II and above, the Council shall have the right to nominate its representative to assists the Selection Committee. In order to avoid unnecessary correspondence, such requests for nomination of representative of the Council should be sent to the Council at least a month in advance and the week in which the Selection Committee is likely to meet should invariably be indicated.
- xvii. A scheme may not be considered as having been started from the stand-point of incurring of expenditure unless the senior scientific staff provided is recruited and is in position within six months, or alternatively, unless a senior officer of the State



Department of Agricultural/University concerned takes in writing, the personal responsibility for guiding the work under the scheme at least till the senior scientific staff under the scheme comes into position. As far as possible, the necessary importance equipments, apparatus, etc. should be available at the time the staff on the Project/Scheme is appointed.

- xviii. The State Government/Agriculture University/ Other grantee institution shall ensure that if the officer-in-charge of the scheme leaves the scheme to take up any other employment during the currency of the scheme, he invariable leaves behind a report on the work done by him for the relevant period and all data and connected physical or biological materials to enable his successor or to compile a complete report at the end of the year.
- xix. The institutions (s) operating the ICAR scheme shall be required to submit to the Council a fiscal and technical report in September and March of each year on the prescribed proforma. In the case of All-India Coordinated Research Projects, the report should be sent to the Project Coordinator in August and February, with a copy to the Council so as to enable the Coordinator to send the consolidated report by September/March of each year. The annual report on the work done during each year and a final report on the termination to the scheme/project with the requisite number of printed copies thereof should be submitted to the Council. The final report must be received in the Council within three months of the termination of the Scheme. No extension of the scheme will be granted for the purpose of writing up of the final report. The remittance of funds for the scheme/project will be withheld by the Council in the event of annual progress reports of the scheme not being received by the Council on the prescribed date and also in case they are found to be unsatisfactory.

### C. Financial and Accounting Procedures

1. Release of funds to the Host Institution as per the schedule specified here after subject to the satisfactory progress report(s) of the project work.
2. The grant release would be made as per the provisions of following GFR 212 (1) Rules and amendments made to it from time to time.

In respect of non-recurring grants to an Institution or Organization, a certificate of actual utilization of the grants received for the purpose for which it was sanctioned in Form GFR 19-A, should be insisted upon in the order sanctioning the grants-in-aid. The Utilization Certificate in respect of grants referred to in Rule 209 (6) should also disclose whether the specified, quantified and qualitative targets that should have been reached against the amount utilized, were in fact reached, and if not, the reasons therefore. They should contain an output based performance assessment instead of input based performance assessment. The Utilization Certificate should be submitted within twelve months of the closure of the financial year by the Institution or Organization concerned. Receipt of such certificate shall be scrutinized by the Ministry or Department concerned. Where such certificate is not received from the grantee within the prescribed time, the Ministry or Department will be at liberty to blacklist such Institution or Organization from any future grant, subsidy or other type



of financial support from the Government. This fact should also be put on the website referred to in the Note under Rule 209 (1) above. In respect of recurring grants, Ministry or Department concerned should release any amount sanctioned for the subsequent financial year only after Utilization Certificate in respect of grants of preceding financial year is submitted. Release of grants-in-aid in excess of fifty per cent of the total amount sanctioned for the subsequent financial year shall be done only after the annual audited statement relating to grants-in-aid released in the preceding year are submitted to the satisfaction of the Ministry/Department concerned. Report submitted by the Internal Audit parties of the Ministry or Department and inspection report received from Indian Audit and Accounts Department and the performance reports if any received for the third and fourth quarter in the year should also be looked into while sanctioning further grants.

3. While releasing grant for the second year and onwards to the sanctioned budget, ICAR would adjust the unspent balance of the previous year, if the same is not refunded.
4. The Host Institution will maintain one bank accounts (s) for all the ICAR funded schemes sanctioned by the Council, however, separate ledgers and accounts be maintained for each ICAR funded scheme.
5. The grants would be released quarterly (as per approved MEP of ICAR by MOF). The first installment of grants would be released by the Council within one month from the date of the issue of the sanction. The release of second and subsequent installments would depend on the request made and receipt of accounts (UC/AUC) in the council and satisfactory half yearly and annual progress report received, assessed and certified.

**6. Audit Mechanism :**

- a. **Internal Audit:** The books of accounts and other records of the Host Institution would be open for Internal Audit by ICAR/agency empanelled by ICAR for conduct of Internal Audit.
- b. **External Audit :** The expenditure incurred from the grant will be audited by the Statutory Auditors viz., Zonal Office of Director General of Audit/Principal Director of Audit (Central Expenditure/Central Revenue). Till such time the audit is conducted by the Statutory Auditors, the audit may be got conducted from CA firms and AUC provided to the Council for release of funds. Funds up to 75% of the budget provision in a year can be released on the basis of UC to be issued by Comptroller of the SAU. However, funds beyond 75% would be released only on receipt of Audited Utilization Certificate (VC/AUC) for the previous year issued by CA firms/Statutory Auditors as the case may be. Format of AUC is enclosed (Annexure-I).

**D. Physical Assets and Immovable/movable property**

1. The immovable/movable property, such as vehicle/equipment/implement/farm machinery etc., purchased at the cost of the Council would be the sole property of the Council. However, depending on its utility in the Host Institution and commensurate with the value, vision and promotional goal of the Council for further research, the



same may be allowed by the Council on request to be retained by the Host Institution even after the termination of the project after obtaining approval of ICAR may be obtained.

2. In case of Centre run by NGO, the non-recurring items purchased under the AICRP/AINP granted by ICAR will have to be returned to the Council after the termination of the project. In case approval for shifting is obtained from ICAR, then proper stock accounts should be maintained and inventory list of equipment purchase out of the grant paid by the Council should be sent to the Council immediately after the closure of the financial year.
3. The equipment and apparatus, if any, purchase out of the grant given by the Council from time to time shall remain the property of the Council. In case approval for shifting is obtained from ICAR, then proper stock accounts should be maintained and inventory list of equipment purchase out of the grant paid by the Council should be sent to the Council immediately after the close of the financial year.
4. The Stock Register maintained for the purpose should be shown to the auditor for applying the necessary check with reference to the grant paid by the Council. Equipment such as air-conditioners, refrigerators exhaust fans, furniture, steel almirahs, type-writers etc., should not be purchase out of Councils grant unless specially sanctioned by the Council as an item of expenditure.

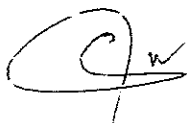
The grantee may take over at the end of the Scheme:-

- (a) Consumable stores at their cost price and
- (b) Equipment at their depreciated cost

The value of consumable stores and equipment arrived at on the above basis should be communicated to the council within a month after the termination of the scheme.

#### **E. Development, Evaluation and Distribution of Genetic Material**

- i. In the case of All-India Coordinated Crop Improvement Projects, in which Central Research Institutes , Agricultural university and State Departments of Agriculture participate co-operatively, the Central Variety Release Committee will be the only authority for officially approving the release of variety/hybrid, developed under the coordinated project, for cultivation in more than one state. However for cultivation in a single State, it may be proposed to SVRC of respective states after taking permission from AICRP.
- ii. The nucleus seeds/seeds of parental lines, etc., of the OPV varieties/hybrids developed under the All India Coordinated Crop Improvement Projects may be produced by the Host and the co-operating institutions (s) and distributed within the country or abroad in accordance with the directions which may issue from the Council from time to time. The overall responsibility for the production & distribution of the nucleus seed will be responsibility of the host institute.
- iii. The material of any further experimental use produced/ developed under the project would be available for research within the Host Institution and in the National Agricultural Research system in the country. However, the produce in excess of the



- research requirements would be disposed of by the Host Institution in the manner it deems fit and sale proceeds would be credited to its accounts (s).
- iv. Institutions or scientists participating in the All India Coordinated Crop Improvement Projects shall not give premature publicity through the medium of the Press, radio, television or any other medium, about the new varieties or plant materials until these are approved by the concerned workshop and subsequently by the Central Variety Release Committee.
  - v. In the case of plant breeding schemes, a nucleus seed (seeds of highest level of purity) will be maintained at the Station where work is carried out. The grantee will make available to the ICAR all seed stocks, foundation seeds, microbial cultures as well as animals in animals husbandry programmes, for free interchange with other cooperating institutions/stations within the country. The State Government/Agricultural University/ other grantee institution will allow direct exchange of seed and also permit direct correspondence between the institutions participating in the scheme/project. Due recognition will be given to the originator of strains/varieties, or to results of research when they are found to be scientifically usefully sound or worth, publishing for extension purpose following highest level of scientific ethics.
  - vi. Exchange of research material (plant, animal, microbe, soil sample etc.,) with agencies, institutions, and individuals outside India, either for experimental or commercial purposes, shall be channeled solely through the Project Coordinator in the case of Coordinated Research projects, or through the Indian Council of Agricultural Research in the case of other schemes. The Project Coordinator, or the Council as the case may be, will route the material through the Director, NBPGR/Bureaus. In any event the law of the land including Biological Diversity Act/rules and guidelines of National Biodiversity Authority of India need to be followed with utmost care.
  - vii. In case of the requirement by the partnering Institution, the Host Institute shall be bound to share the requested material.

#### **F. Higher education by research workers and data management**

The following procedure shall be followed for the utilization of the data collected in the schemes by Research Workers (including Research Scholars) for obtaining higher degrees or diplomas:

- i. Every incentive should be given to research workers for obtaining higher degrees through their research work, provided there is no deviation from the programme of work approved for them.
- ii. Prior approval of the Council should be obtained before permission is granted to a research worker to utilize the data collected by him during his work in a scheme for submitting a thesis for higher degrees.
- iii. In order to avoid rival claims in the case of schemes wherein several research workers work as a group, a certificate should be furnished to the Council by the Officer-in-charge of the scheme to the effect that the worker who is proposing to



- utilize the data is the best one to do so from amongst them. While doing so Officer-in-charge need to observe that the highest level of scientific ethics is followed.
- iv. Before a thesis is submitted to a University or Institution for the award of a degree or diploma, either the thesis or a synopsis thereof (with appendix of the unpublished material) should in the first instance, be submitted to the Council with a certificate from the Officer-in-charge of the scheme regarding the suitability of the thesis for the purpose of obtaining higher degree or diploma.
  - v. NO thesis or synopsis should be submitted by a Research worker to a University or Institution before the necessary permission therefore has been granted by the Council.
  - vi. The acknowledgment of the help rendered by the Council in carrying out the investigations should be made in the thesis by the Research Workers.
  - vii. The Officer who supervises a scheme cannot claim the research work as his own or utilize the results therefore for obtaining higher degrees or diplomas. He need to observe the highest level of scientific ethics.

#### **G. Timely Submission of Annual & Completion Report**

An annual report on the work done during each year and a final report on the completion of scheme/project with the requisite number of printed or cyclostyled copies thereof should be submitted to the Council. The final report must be received in the Council within three months of the closure of the Scheme. No extension of the scheme will be granted for the purpose of writhing up of the final report. The remittance of funds for the scheme/project will be withheld by the Council in the event of annual progress reports of the scheme not being received by the Council on the prescribed date and also in case they are found to be un-satisfactory.

#### **H. Revenue Generation**

The revenue generation from the projects/programme may be distributed in the ratio of ICAR (75%) and Host Institution (25%) in case of AICRP and AINP projects and 100% (ICAR) in other projects. Revenue generation in the project may either be refunded to ICAR or be adjusted in the next years release. In case, the revenue is earned in the preceding year of the project, such revenue would invariably be refunded to the ICAR by the Host Institution.

#### **I. Credit Sharing to ICAR**

- i. The Council will have the right to publish the results of the investigations in its own journals before they are published elsewhere. Permission may, however, be accorded by the Council at the discretion of the Director General, ICAR for publication elsewhere, due acknowledgement being made in such cases to the Council. Publications may be joint, or independent, as may be agreed upon between the research workers and the project Coordination in consultation with the Deputy Director General, ICAR and the Director of Agriculture Research of the State/University concerned. However, the authorship(s) of publication(s) will be as per the highest level of ethics followed globally.



- ii. The Council shall have the right to own the IPRs/ patents in respect of the inventions/discoveries made under the scheme/project. The income from premium and royalties accruing to the Council from the commercialization of patents shall be shared between the Council and the inventor/inventors concerned in the ratio of 40 percent to the Council and 60 percent to the inventors.

**J. Intellectual Property Rights and their management:**

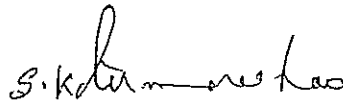
In the existing and likely Intellectual Property Regime, techniques, technologies, materials etc. developed/ refined of any immediate or likely commercial value would be the joint property of the Council and the Host Institution. However, the Intellectual Property claims/formalities would be filed/made by the Host Institution. For this purpose, view of the ADG (IP & TM), ICAR shall be obtained through the concerned Project Coordinator. The Scientific data/ biological material generated from the scheme shall be documented/stored and shall be made available to the Council by the grantee Institute on demand.

**K. Validity/Termination**

The State Government/Agricultural University/other grantee institution shall ensure that all available specimen including cultures collected for research during the operation of the scheme are handed over by the Officer-in-Charge of the scheme to a responsible Central/State/ICAR officer or an officer of a Central Research Institute nominated for the purpose by the Council, for preservation and future study.

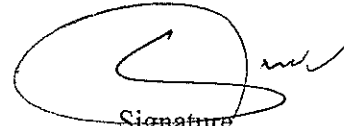
In case of any dispute arising between the Council and the Host Institution, the same shall be referred to the sole arbitrator to be appointed by the Council. The decision of the sole arbitrator so appointed shall be final and binding on both the parties.

This Memorandum of Understanding shall become effective from 17<sup>th</sup> 8/2000 and would terminate only after a three months advance notice given by either of the parties i.e. the Council and the Host Institution.

  
(S. K. Rao)

Vice Chancellor,  
RVSKVV, Gwalior

Vice Chancellor  
Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya  
Gwalior (M.P.)-474002

  
Signature

Indian Council of Agricultural Research

शिव प्रसाद किनोजी/Shiv Prasad Kinooji  
सहायक महानिदेशक (सं-  
Asstt. Director General (Co-  
भारतीय कृषि अनुसंधान परि-  
कृषि भवन, नई दिल्ली-1  
Krishi Bhawan, New Delhi-110001



## Form of utilization certificate &amp; Audit utilization certificate

S.No.	Letter and No. Date	Amount

1. Certified that the out of Rs. \_\_\_\_\_ sanctioned during the year \_\_\_\_\_ in favour of \_\_\_\_\_ under this Ministry/Department letter No. given in the margin and Rs \_\_\_\_\_ on account of unspent balance of the previous year, a sum of Rs. \_\_\_\_\_ has been Utilized for the purpose of \_\_\_\_\_ Remaining unutilized at the end of the year has been surrendered (vide No. \_\_\_\_\_ dated \_\_\_\_\_)/will be adjusted (to be payable the next year).
2. Certified that I have satisfied myself that the condition on which the expenditure was made have duly fulfilled/are being fulfilled and that I have exercised the following check to see that the money was actually utilized for the purpose for which it was sanctioned.

Kinds of checks exercised

1

2

Table 1: Showing the details of receipt and expenditure

Figure (in Rupees)

Opening balance as on 1 <sup>st</sup> April	Remittance received	Total Revenue Generation	ICAR share of Revenue Generation	ICAR share of Expenditure during the year	Closing balance as on 31 <sup>st</sup> March (Grants + Revenue)
1	2	3	4	5	6 (1+2+4+5)

The remittance as indicated in col. 2 are as per ICAR's letter No. \_\_\_\_\_ dated \_\_\_\_\_

Table 2: Showing the head wise details of expenditure

Figure (in Rupees)

Detail of Expenditure				
Head	Allocation for the year	ICAR share of Expenditure 75%	State share 25%	Total Expenditure
<b>A. Grant in Aid – Capital</b>				
1. Equipment				
2. Works				
3. Vehicle				
4. Furniture & Fixtures				
5. Books & Journals				
<b>B. Grant in Aid – Salaries</b>				
1. Pay & Allowances				
<b>C. Grant in Aid – General</b>				
1. T.A.				
2. Research & operational Expenses				
3. Administrative Expenses				
4. Misc. expense including HRD				
<b>Total (A+B+C)</b>				

The figure in col. No. 2 may be shown as communicated by Project Coordinator under Annual Plan for the year.

Signature -

Designation -

Date -



## PARTNER SUB-GRANT AGREEMENT

Between

The International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), an International Organization, headquartered at Patancheru 502 324, Telangana, India with privileges and immunities of the United Nations (Privileges and Immunities) Act, 1947 (hereinafter referred to as "ICRISAT" or "Lead Center") which expression shall, unless excluded by or repugnant to the context, be deemed to include its successors-in-interest and permitted assigns)

AND

Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya (RVSKVV), Gwalior was established in 2008 to impart education, conduct research and extension activities for enhancing productivity, optimization of profit and sustainability of agriculture and allied sector and improving rural livelihood in the state of Madhya Pradesh, India. RVSKVV, is located at Race Course Road, near Mela Grounds, Gwalior – 474002, Madhya Pradesh, India (hereinafter referred to as "Partner Institution") which expression shall, unless excluded by or repugnant to the context, be deemed to include its successors-in-interest and permitted assigns.

### 1. INTRODUCTION

International Crops Research Institute for the Semi-Arid Tropics (hereinafter referred to as "ICRISAT") and Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya (RVSKVV), Gwalior hereinafter referred to as "Partner Institution" enters into this Partner Sub-Grant Agreement (hereinafter referred to as "Agreement") for conducting the "multilocation testing of pigeonpea and chickpea" (ICRISAT and the Partner Institution are also referred individually as "Party" and collectively as "the Parties").

### 2. PURPOSE OF THE FUNDING

The purpose of this grant funding is to enable the Partner Institution to undertake preliminary yield testing of improved breeding populations/lines and multilocation testing of elite lines towards cultivar release/recycling and related activities in accordance with the agreed Work Plan (Annex-1) and shall not use the funds for any other purpose/s.

### 3. DURATION OF AGREEMENT

The duration of this Agreement is for 12 months starting from 01 August 2020 to 31 July 2021, with the Effective Date as 01 August 2020.

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#### 4. GRANT AMOUNT AND DISBURSEMENT

5. The maximum budget approved for the Partner Institution is a sum up to INR 1,50,000 (Rupees One lakh fifty thousand only) for the duration of the Activity. In this INR 75,000 (Rupees Seventy-five thousand only) to be used for Pigeonpea trialling and another INR 75,000 (Rupees Seventy-five thousand only) to be used for Chickpea trialling at RAK College of Agriculture, Sehore under the RVSKVV, Gwalior.
- 5.1 The excess expenses will be the sole responsibility of the Partner Institution. No reimbursements will be made for costs incurred in excess of the grant amount.

Disbursement details as follows:

Disbursement details	budget
1 <sup>st</sup> Instalment (Upon signing of this Agreement) and an Invoice/request for funds with banking details	60% of the budget
January 2021 (six monthly technical and financial reports) and an Invoice/request for funds	20% of the budget
July 2021 (Annual technical and financial reports) and an Invoice/request for funds	20% of the budget

- 5.2 The approved budget is subject to revisions through Amendment to this Agreement based on funding confirmation and realization of grant from the Donor (CRP-GLDC).
- 5.3 The funds shall be disbursed subject to receipt of funds from the CRP-GLDC.

#### 6. REPORTING AND FINANCIAL MANAGEMENT

- 6.1 The Partner Institution agrees to submit the following reports to ICRISAT:

Reporting Period	Reporting details	Due dates
1 Aug 2020 – 31 Jan 2021	Six monthly technical and financial report	15 Feb 2021
1 Feb 2021 – 31 July 2021	Annual technical and financial report	15 Aug 2021

- 6.2 ICRISAT will not recognize any other expenditure in case those expenses exceed the Grant Amount or utilized for purposes other than agreed under this Agreement.
- 6.3 The Partner Institution must spend at least 75% of previous disbursement and report in the financial report to receive further instalment.

- 6.4 The Partner Institution shall also provide to ICRISAT with Audited Financial Statement of the Activity funds utilization within six (6) months after completion of the Partner Institution's financial year.
- 6.5 The Partner Institution is responsible for recording expenditure and keeping supporting documentation related to the Grant funding for a period of five (5) years after the completion of grant period. These shall be available for audit at the request of ICRISAT, auditors, or Donor.
- 6.6 In the event that the funds are not fully spent for implementation of the activities, the Partner Institution agrees to promptly return the unspent funds to ICRISAT within 30 days upon termination or completion/expiration of the Agreement.
- 6.7 The Partner Institution agrees to provide full support and cooperation to ICRISAT and Donor during review and technical evaluation of the Activity.

## **7. Intellectual Property and Data Sharing**

- 7.1 Management of Intellectual Property. The Parties shall manage all intellectual assets and/or related intellectual property rights created as a result of the activities carried out under this Agreement in a way that is consistent with the CGIAR Principles on the Management of Intellectual Assets ("CGIAR IA Principles"), which is available at CGIAR website<sup>1</sup> and will apply as amended from time to time. All tangible and intangible results that arise from this Agreement shall be international public goods.
- 7.2 The Parties shall act in accordance with CGIAR Open Access and Data Management Policy (the "Policy"), which is approved by the CGIAR Consortium Board. Under this policy, the parties are committed to widespread dissemination of results of its research and development activities to achieve the maximum impact to advantage the poor, especially smallholder farmers in developing countries. The policy is available at the CGIAR website<sup>2</sup> and will apply as amended from time to time.
- 7.3 Any germplasm transfers from ICRISAT under this project will be through the Standard Material Transfer Agreement (SMTA) approved by the Governing Body of the International Treaty on Plant Genetic Resources for Food and Agriculture (ITPGRFA) and ICRISAT's Material Transfer Agreement (MTA) for ICRISAT-developed materials.
- 7.4 Publications: The Parties agree that the results of the activities undertaken under this Agreement shall be published with due credit to all contributors and, at the same time,

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<sup>1</sup> <https://cgspace.cgiar.org/bitstream/handle/10947/4486/CGIAR%20IA%20Principles.pdf?sequence=1>

<sup>2</sup> <http://library.cgiar.org/bitstream/handle/10947/2875/CGIAR%20OA%20Policy%20-%20October%20202013%20%20Approved%20by%20Consortium%20Board.pdf?sequence=1>

publishing party will be entirely responsible for the conclusion and interpretations reported.

7.5 Data Sharing: The Partner Institution shall provide all data, software and models generated and compiled as a result of activities under this Agreement to ICRISAT. The contribution of Partner Institution shall be appropriately acknowledged.

## 8. Notices

Any notice or other communication in connection with this Agreement shall be in writing in the English language by or on behalf of the Party giving it and shall be addressed to the following contacts:

### ICRISAT

Dr Ashok Kumar Are  
Principal Scientist and Product Placement Lead –Asia  
ICRISAT, Patancheru. 502324  
Telangana State, India. Cell: 9000414124  
Email: [a.ashokkumar@cgiar.org](mailto:a.ashokkumar@cgiar.org)

Dr Anupama Hingane  
Scientist – Pigeonpea Breeding, Crop Improvement  
ICRISAT, Patancheru. 502324  
Telangana State, India. Cell: 7674030007  
Email: [h.anupama@cgiar.org](mailto:h.anupama@cgiar.org)

Dr Srinivasan Samineni  
Senior Scientist – Chickpea Breeding, Crop Improvement  
ICRISAT, Patancheru. 502324  
Telangana State, India. Cell: 9948280279  
Email: [s.srinivasan@cgiar.org](mailto:s.srinivasan@cgiar.org)

### PARTNER INSTITUTION:

#### Pigeonpea:

Dr. A. K Mishra  
I/c Pigeonpea (Breeder), ACRIP Pigeonpea  
RVSKVV, RAK College of Agriculture. Sehore, Madhya Pradesh. 466001. India  
Mobile No. 9425488220

**Chickpea:**

Dr Mohammad Yasin

Principal Scientist (Plant Breeding)

RAK College of Agriculture, RVSKVV

Sehore - 466 001, Madhya Pradesh

Ph: + 91-9406517978/ + 91-7974152690

Email: [myasin23@gmail.com](mailto:myasin23@gmail.com)

**9. Anti-Fraud and Anti-Corruption Compliance**

Partner Institution represents and warrants to ICRISAT that:

- 9.1 neither the Partner Institution nor its subsidiary has any material interest in any matter which conflict substantially, or appear to conflict substantially, in its association with ICRISAT. Partner Institution agrees that, if during the term of this Agreement, it becomes aware that its continued association would conflict with interest of ICRISAT, it will notify the same to ICRISAT immediately in writing;
- 9.2 neither the Partner Institution nor any of its directors, key officers, or representatives has a close family relationship (i.e., parent, child, sibling, or spouse) with key official of ICRISAT. Partner Institution agrees to notify ICRISAT if any such close family relationships arise during the term of this Agreement;
- 9.3 Partner Institution agrees that its association with ICRISAT under this Agreement will be in full compliance with all anti-corruption laws and regulations as applicable to the respective jurisdictions of the parties. Accordingly, Partner Institution agrees that in connection with its activities under this Agreement, neither Partner Institution nor any agent, affiliate, employee, sub-contractor, or other person acting on its behalf will offer, promise, give, or authorize the giving of anything of value, or offer, promise, make, or authorize the making of any bribe, rebate, payoff, gifts, hospitality, influence payment, facilitation payment, kickback, or other unlawful payment, to any ICRISAT official in order to gain any unfair advantage or to influence any act or decision of ICRISAT official. Partner Institution further agrees that the arrangements and payments provided under this Agreement shall not be used for the personal benefit or enrichment of any ICRISAT official. Partner Institution agrees to assist and cooperate in any investigations related to activities performed and/or payments received under this Agreement;
- 9.4 Partner Institution has fully complied with all applicable anti-money laundering laws and regulations;
- 9.5 Partner Institution agrees that in case it decides to offer sub-contract (including consultants) in connection with this Agreement, Partner Institution shall apply all the conditions related to Anti-Fraud and Anti-Corruption compliance as mentioned in this

agreement with the sub-contractor in a written form.

## **10. Modification and Termination**

- 10.1 This Agreement may be amended, modified, altered, revised, extended or renewed by mutual written agreement between the Parties.
- 10.2 Either party may terminate this Agreement upon giving 30 days prior written notice to the other. Upon such termination Partner Institution shall promptly return unspent funds to ICRISAT and within 30 days submit to ICRISAT a final Financial Report and technical report on activities performed before termination.
- 10.3 The Partner Sub-Grant Agreement will be terminated at the end of duration of this Agreement i.e. 31 July 2021 unless otherwise extended through a signed communication/ amendment to this Agreement.
- 10.4 The Lead Center may modify, suspend, or discontinue any payment of Grant Funds or terminate this Agreement with notice if: (i) the Lead Center is not reasonably satisfied with the Partner Institution progress on the Project; (ii) there are significant changes to partner's leadership or other factors that the Lead Center and reasonably believes may threaten the Project's success; (iii) the Donor stops or substantially reduces the amount of Grant; or (iv) the Partner Institution fail to comply with this Agreement. The Lead Center will notify the Partner Institution of its concerns and provide the Partner Institution with a reasonable period of time to address them.

## **11. Miscellaneous**

- 11.1 The Partner Institution will not use funds provided under this Agreement, directly or indirectly, in support of activities (a) prohibited by laws of republic of India; (b) political or lobbying activities; or (c) election for public office or to carry on any voter registration drive.
- 11.2 In carrying out the Project, the Partner Institution will comply with all applicable laws, regulations, and rules and will not infringe, misappropriate, or violate the intellectual property, privacy, or publicity rights of any third party.
- 11.3 The Partner Institution undertakes to abide by all terms and conditions applicable to Sub-grants under the Grant Agreement and accepts to provide full cooperation to the ICRISAT in technical and financial evaluation and reporting to the Donor.
- 11.4 The Partner Institution will maintain insurance coverage, at its own cost, sufficient to cover all liabilities arising out of its activities, or risks, or otherwise coverage for its staff and property and potential omissions of the Project in accordance with generally-accepted industry standards and as required by law. The Partner Institution will ensure subcontractors maintain insurance coverage consistent with this section. The Lead Center or the Donor shall not bear any liability whatsoever for Partner Institution's activities, operations, staff and property.

- 11.5 The Partner Institution agrees to defend, indemnify and hold ICRISAT and its employees, directors and officers harmless for any and all claims, losses, due to breach of contract on account of any negligent act or omission, any breach of its obligations provided in this Agreement or any violation of applicable law, rule or regulation by Partner Institution or its agents during and after the term of the Agreement.
- 11.6 The Parties acknowledge and agree that nothing in this Agreement shall be deemed to constitute a teaming agreement, legal partnership, joint venture, agency relationship or otherwise between the Parties.
- 11.7 Each provision of this Agreement must be interpreted in a way that is enforceable under applicable law. If any provision is held unenforceable, the rest of the Agreement will remain in effect.
- 11.8 The Partner Institution shall not assign or sub-contract the Partner Institution's rights and obligations under this Agreement.
- 11.9 The Parties agree to make every effort to settle amicably any dispute that may arise between them in connection with this Agreement.
- 11.10 This agreement shall be governed by, construed, and enforced in accordance with the prevailing laws of India, and the parties hereto hereby submit to the sole and exclusive jurisdiction of courts of Hyderabad in India. It is understood and agreed that the provisions of this paragraph shall not constitute nor imply the waiver by ICRISAT of its privileges and immunities.

The representatives of the agreeing Parties duly authorized sign this Partner Sub-grant Agreement on the dates indicated below. Further signatory to this Agreement represents and warrants that they have all necessary authority and power to enter into this Agreement and perform its obligations hereunder.

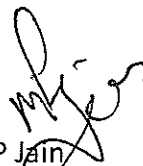
For ICRISAT



Dr Jacqueline Hughes  
Director General

Date: 03 September 2020

For RVSKVV, Gwalior



Dr MP Jain  
Director of Research

Date: 21, September, 2020



Annex-1

Work plan for RVSKVV, Gwalior

S No	Activity	Timeline
1	Conduct of preliminary yield testing of materials as per trial guidelines in rainy season 2020	November 2020
2	Conduct of preliminary yield testing of materials as per trial guidelines in postrainy season 2020	April 2021
3	Sharing of PYT data with ICRISAT	May 2021



**Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya,**  
Raja Pancham Singh Marg, Behind LNUPE, Gwalior - 474002 (M.P.), India

**Dr. A.K. Singh**  
Director Instructions

Tel: 0751-2970517 (O)  
Mob: No.942530-8850  
E-mail: dirvskvvgwl@gmail.com  
Website: www.rvskvv.net

No. DI/Advisory Com/2019/ **457**

Dated: 17.05.2019

**ORDER**

On the recommendation of Head of Department of Entomology, CoA, Gwalior Vide letter No. Ent./2019/1021 dated: 12.04.2019, The advisory committee of Ph.D. student 2018-19 hereby approved/changed as mention below.

S.No.	Name of Student	Roll No.	Already Approved Advisory Committee	Revised Approved Advisory Committee
1	Kakara Jatin	18113702	Dr. SPS Tomar - Major Advisor Dr. U.C. Singh - Member Dr. P.D. Singh - Member Dr. V.S. Kandalkar - Member Dr. V.B. Singh - Member	Dr. SPS Tomar - Major Advisor Dr. Jagdish Jaba (Scientist, ICRISAT) (Co-Advisor) Dr. U.C. Singh - Member Dr. V.S. Kandalkar - Member Dr. V.B. Singh - Member

*[Signature]*  
17.5.19

Director Instructions

Dated: 17.05.2019

No. DI/Advisory Committee/2019/ **457**

The Registrar, RVSKVV, Gwalior.

The Head of the Department of Agriculture, Gwalior.

The Head of the Department Entomology, College of Agriculture, Gwalior

4. Guard file.

*[Signature]*  
17.5.19

Director Instructions

THE STATE CO-OPERATIVE BANK LTD  
SABARMATI  
AHMEDABAD, GUJARAT  
GILDSOFT/11/1/2020

25293  
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JAN 06 2020  
MOU for EDII-RVSKVV Gwalior  
₹. 000 1000/- PB6572  
INDIA STAMP DUTY GUJARAT

## MEMORANDUM OF UNDERSTANDING

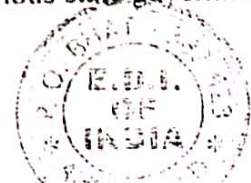
This Memorandum of Understanding as Knowledge partner has been signed at Ahmedabad on this 06 Day of January 2020

Between

**Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior** (<http://www.rvskvv.net>) established by Government of Madhya Pradesh as second Agricultural University by bifurcating the JNKVV, Jabalpur, grown into a diverse innovative institution of higher education, pursuing excellence in the fields of teaching, research and extension in agricultural sciences. Over the years, the University has sought to make a major contribution in improving the quality of human life in the region through its research-led initiatives in agriculture, environmental related issues and a host of other modern-day challenges including the production of quality seed and genuine planting material. The structure of its activities is rationalized, with emphasis on its distinguished strengths, management of education and development of quality man power and in this direction notable success has been achieved. In addition to the diverse activities related to agricultural sciences, RVSKVV has a strong emphases on farmers skills improvement and empowerment through the 22 KVKs in the various districts represented through its Vice Chancellor, hereinafter to be called **THE FIRST PARTY** which expression shall, unless excluded by or repugnant to the context, be deemed, to include its successors, administrators, executor and assigns.

And

**Entrepreneurship Development Institute of India [EDII], Ahmedabad, Gujarat** ([www.ediindia.org](http://www.ediindia.org)), founded in 1983, by the IDBI Bank Ltd and other national financial institutions, is an all-India organization engaged in entrepreneurship development, incubation, training, education, research and institution building. It operates from its 23 acre campus at Ahmedabad, six regional offices across the country, 17 project offices and collaborative overseas offices. Its Board of Governors headed by MD & CEO - IDBI Bank Ltd., includes Secretary, Ministry of MSME, eminent entrepreneurs, economists, and academicians. EDII works in close partnership with several Ministries of GOI, such as - MoRD, MoFP, MSDE, MSME, MEA, Ministry of Science and Technology and Ministry of Textiles, besides various state governments,



*[Handwritten signature]*

SIDBI, NABARD and KVIC etc. EDII is represented through its Director hereinafter to be called THE SECOND PARTY which expression shall, unless excluded by or repugnant to the context, be deemed, to include its successors, administrators, executor and assigns.

### SCOPE

Whereas the 'THE FIRST PARTY' is implementing various projects based on Start-up and Entrepreneurship and Agripreneurship etc.; with the support of ICAR, any other external agencies, different Ministries of Govt. of India, Govt. of Madhya Pradesh and University's own resources. The University is also intended to establish an incubation centre in its Gwalior campus to promote Agripreneurship among the students and masses along with introducing a series of short term/part time certificate programs for the students, existing/ budding/ aspiring entrepreneurs.

It is one of the aim of 'THE FIRST PARTY' that aforementioned initiatives must keep pace with the present entrepreneurial ecosystem, Govt. Schemes for Start Ups & Entrepreneurship, mentoring, handholding, IPR based knowledge & processes, business plan preparation, options for funding support, technological demand and expanding the universe of knowledge to promote sustainable agripreneurship through capacity building program, Faculty development program and Technological Entrepreneurship Development Programs etc. The proposed collaboration will facilitate to provide support frame work for organising various activities at par of desired standards with having the prime objective as mentioned below:

1. **"Bridge the Void"** between basic teaching, training and emerging needs of consumer, industry and economy;
2. **Make Start-up, entrepreneurship and agripreneurship "Aspirational";**
3. **Extend knowledge dissemination and facilities to disadvantaged youth;**
4. **Provide ready infrastructure** for training – making it viable for training providers and industries;
5. **Make an endeavour to Fill the institutional needs** of Agriculture Colleges, KVKs, Field extension programs, industry linkages, training of trainers, assessors, joint certification and incubation etc.;
6. **Evolve as a one stop solution** for quality training equivalent to desired standards, assessment, certification, apprenticeship, incubation, entrepreneurship etc.;
7. **Developing short term certificate programs**, study material, data base of resource person, by joint implementation and certification of the programs;
8. **Conducting Faculty Development cum Orientation Program** for the Faculties of the University, Agriculture colleges, KVKs and Project staff of the University;



9. Joint implementation of ongoing projects and applying for upcoming projects based on the synergy created through collaboration;
10. Contributing each other for taking up other activities as and when required.

Looking to the vast & global experience and having specialisation & expertise of Entrepreneurship Development, incubation, training, education, research and institution building, **THE FIRST PARTY** has approached to **THE SECOND PARTY** to establish an effective relationship in the larger interest to contribute in its ongoing and upcoming projects, developing new programs, courses, study material, supporting ongoing/upcoming research & extension activities, internship and mentoring University's graduates, exchange students & faculties and implementation of various projects in a collaborative manner through convergence with the CSR support and Government supported schemes etc.

Now therefore in consideration of the previous and mutual covenants hereinafter contained, the parties hereto agree to jointly play an effective role in promoting Start-ups and Entrepreneurship in a collaborative manner through various interventions with EDII as Knowledge Partner.

#### KEY OBJECTIVES

The Key objectives of the proposed knowledge partnership will include:

1. To promote and develop entrepreneurial ecosystem to support new Start-ups and high-end entrepreneurship for agriculture graduates, farmer communities and rural masses;
2. To facilitate the process of knowledge dissemination services relating to promotion of Start-ups and entrepreneurship;
3. To connect agencies of the support system, academic institutions and Research & Development Organizations to foster agriculture based Start-ups and entrepreneurship;
4. To act as a policy advisory body with regard to entrepreneurship;
5. To extend required hand-holding support to the aspiring and budding entrepreneurs;
6. To enable faculties for providing practical knowledge and information so that they can create the charm among students to become entrepreneur instead of seeking a job.
7. To provide various Business Support services to the students/ incubates as under:
  - Business plan preparation assistance
  - Mentoring support

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- Support for raising funds
- IPR based knowledge and processes
- IT based support & solutions
- Access to professionals with legal, financial, accounting, IP, and industry expertise
- Showcasing events for exhibition of products and solutions
- Networking events to facilitate interaction with investors and industries
- Training programs and seminars relevant to entrepreneurs
- Practical exposure through internship and OJT

## GENERAL PROVISIONS

This MOU does not intend to create any legal binding and/or obligation between the Parties. The Parties would apply the MOU based on mutual respect and understanding with each other and with a desire to build a relationship so as to encourage the Start-ups & entrepreneurship and strategic partnership based on agriculture and allied sector. This MOU intends to outline the collaborative arrangements to be undertaken by the Parties in relation to the operation of the projects and other activities as agreed by both parties. General provision of this MOU's are as under:-

1. The Parties will progressively develop project activities and will specify the basic aims, objectives, respective responsibilities, accountabilities, activities, timelines, program coordination, funding arrangements and allocations, reporting requirements and any other specifics deemed necessary by the Parties to achieve the desired outcome effectively.
2. This MOU shall not be binding for any other MOU/ Agreement for either party. Parties shall be free and independent to carry on other services and trainings besides that covered under the scope of this MOU;
3. Both the Parties shall perform their duties in strict compliance with all applicable laws in India along with rules and regulations of duly constituted Govt.; authorities in India and shall obtain all licenses, restrictions or other approval, if any, required by laws in India in connection with the services to be rendered hereunder;
4. All the norms, rules and regulations for conducting the programs would be followed to maintain high standards;
5. Both parties can use logo, trade name, course modules & other related materials for promotion of the courses to be conducted jointly within the scope of this MoU and after written approval;



6. Both parties shall promote the arrangement and courses through respective websites;
7. The funding and other arrangements for all projects in the action plan must be ratified, accepted and agreed by both Parties before it is implemented, on case to case basis;
8. The parties recognize that from time to time specific project activities may be developed within this framework of engagement;
9. Both the Parties have full power and authority to enter into this MoU and take any action execute any documents required by the terms hereof; and that this MoU, entered into has been duly and validly executed and delivered, and is a legal, valid, and binding obligation of, enforceable in accordance with the terms hereof; and that the executants of this MoU are duly empowered and authorized to execute this MoU and to perform all its obligations in accordance with the terms herein.

### AREAS OF COOPERATION

The MOU is expected to focus on cooperation for developing and facilitating to encourage activities which lead to the further development of the industry and Entrepreneurship led Skill eco system in the State. It is intended that the subsequent initiatives will facilitate favorable conditions for cooperation in the Sector which will include the establishment of direct contacts between State, people, enterprises and organizations. Both parties are desire to work for developing Start-ups & entrepreneurship, but not limited to:

1. To organize virtual educational sessions and e-Learning & web enabled teaching sessions from EDII campus including following topics:
  - i) Agro based Business Opportunity Guidance (BOG);
  - ii) Agro based innovations, start-ups and enterprises;
  - iii) Financial linkages for access to credit facilities for innovations, start-ups and enterprises;
  - iv) Life skill training;
  - v) Motivational sessions for the students;
  - vi) Technology based IPR;
  - vii) Capacity building programs;
  - viii) Market and Technology based linkages;
  - ix) Internship and OJTs;
  - x) Statutory requirements
  - xi) Any other support as may be required for start-ups and entrepreneurship
2. Conducting research studies in areas of high relevance to agripreneurship, such as:



*[Handwritten Signature]*

- i) Gap analysis;
  - ii) Market assessment studies;
  - iii) Assessing the economic viability of the ventures;
  - iv) Market risk analysis;
  - v) Ways and means for ensuring sustainability;
  - vi) Any other study as per requirement
3. Mandatory training in respect of 'Faculty Development Program (FDP)'
4. Providing hand-holding support for establishing Entrepreneurship Development (ED) Cell in all the target institutions and to make them effectively operational;
5. Provide mentoring services to the students/ aspirants based on various mile stones to establish their start-ups / enterprises, including:
- i) Support to establish agro based enterprises by the aspiring students;
  - ii) Motivating students for becoming an entrepreneur;
  - iii) Provide guidance to identify activities in the field of their own choice;
  - iv) Provide incubation facilities;
  - v) Providing support on required documentation;
  - vi) Securing required 'No Objection Certificates' (NOC);
  - vii) Preparing applications for Financial assistance;
  - viii) Preparing Preliminary and Detailed Project Reports (PPR and DPR);
  - ix) Connecting with relevant institutions/experts/technologists;
  - x) Banking procedures;
  - xi) Establishing Backward and Forward linkages;
  - xii) Filing of patents & IPR processes;
  - xiii) Obtaining Trademarks, such as FASSAI, FPO, ISO, ISI etc.;
  - xiv) Designing of 'Logo', visiting cards, letter-heads and other documents;
  - xv) Designing of Product packaging;
  - xvi) Launching of innovative products and services;
  - xvii) Making application for allotment of plot/shed in industrial area;
  - xviii) Starting overseas business (Exim);
  - xix) Conducting market survey for the product and/or services;
  - xx) Counseling and hand-holding support on various issues necessary for establishing an enterprise.
  - xxi) Development of business plan
  - xxii) Any other need based aspect/s
7. Organizing exposure visits to successful entrepreneurs in the respective fields.





8. Establish convergence with various Government Departments to facilitate the budding and aspiring entrepreneurs.
9. Holding meetings and Focused Group Discussions (FGDs) with prospective employers, business organizations, industrial associations etc.
10. Addressing other topics like Soft skills along with practical knowledge i.e. personality development, communication, life skills, etiquettes, motivation, coordination, accounting, cost determination, general management, career counseling, gender, health & hygiene issues, smart citizens of the Smart city etc.
11. Innovative Special Projects
  - i) Training of Trainers Program
  - ii) Development of Aptitude tools
  - iii) Development and promotion of appropriate technologies
  - iv) Internship of Professional students/ aspirants
12. Competitions and Rewards
  - i) Regional, National and Overseas Competitions
  - ii) Awards & recognition for the students, faculties, managers, successful entrepreneurs and trainers etc.
13. Promotions and Campaigns
  - i) Conduct Seminars and Workshops for various stakeholders
  - ii) Develop innovative tools
  - iii) Develop skill videos

#### AMENDMENT

Any amendments to this MOU shall be in writing and signed by either the Parties or their duly authorized representatives.

#### NOTICES

Unless otherwise provided herein, all notices or other communications under or in connection with this MOU shall be given in writing and may be sent by personal delivery or post or courier or facsimile.

*[Handwritten signature]*



### VALIDITY AND TERMINATION

1. This MOU shall be effective from the date of signing and shall remain in force for a period of one year and may be extended after mutual agreement between the two parties;
2. This MOU may be terminated by either Party giving other Party, in writing, six months' notice to terminate, or sooner upon mutual consent of the Parties;
3. Unless otherwise agreed to between the Parties in writing, termination of this MOU shall not affect the validity or duration of any project activities agreed to and commenced under this MOU.

### RESOLUTION OF DISPUTES

Any differences or disputes which may arise between the Parties relating to any matter under this MOU shall be settled by consultation and negotiation or, failing that, through mediation by a mutually agreed third party.

### FORCE MAJEURE

Each party shall promptly inform the other of the existence of Force Majeure event and shall consult together to find a mutually acceptable solution. Provided service under the MOU shall be resumed as soon as practicable, after such event comes to an end or ceases to exist.

### JURISDICTION

Any dispute(s) arising out of interpretation of respective obligations and other clauses of this MOU shall first be resolved amicably between the authorized representatives of both the parties and if not resolved then the Courts at Gwalior, State Madhya Pradesh, shall be construed to be the courts having legal jurisdiction qua any dispute, claim etc.

In witness, hereof the parties have signed this Memorandum of Understanding on the day, month and year first written herein above, in the presence of following witnesses.

Name S. Kumar Rao

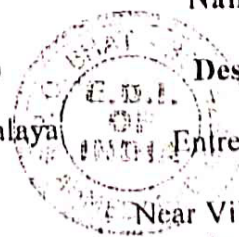
Designation Vice Chancellor  
Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya  
Gwalior (M.P.) 474002

Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya  
Gwalior (Madhya Pradesh)

FIRST PARTY

Name A. RAMAN GUJRAL

Designation Sr. Faculty



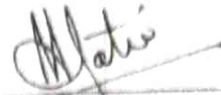
Entrepreneurship Development Institute  
of India (EDII)  
Near Village Bhat, Via Ahmedabad Airport &  
Indira Bridge, P.O. Bhat - 382 428  
District Gandhinagar, Gujarat (India)

SECOND PARTY

**WITNESSES:**

1. Signature  
Name:  
Address:

2. Signature  
Name:  
Address:

  
Dr. M. Hanif Mevati  
EDII





## 1. NATIONAL TRAINING

## 1. EDII, Ahmedabad, Gujrat

S.No.	Name of students	College Name
1.	Shivam Sharma	CoA, Sehore
2.	Ku. Priyansi Singh	CoA, Sehore
3.	Ku. Drishta Kala	CoA, Sehore
4.	Pravin Kumar Dhal	CoA, Sehore
5.	Suraj Patidar	CoA, Khandwa
6.	Hansa Solanki	CoA, Khandwa
7.	Tulsi Malviya	CoA, Khandwa
8.	Shivani Malakar	CoA, Khandwa
9.	Rajkumar Rathore	CoA, Khandwa
10.	Akesh Balke	CoA, Indore
11.	Swarnima Kaurav	CoA, Indore
12.	Adarsh Sharma	CoA, Indore
13.	Yogesh Chandravanshi	CoA, Indore
14.	Ankit Parmar	CoA, Indore
15.	Mohit Yadav	CoH, Mandsaur
16.	Nikhil Patel	CoH, Mandsaur
17.	Amit Birgodiya	CoH, Mandsaur
18.	Lilly Patta	CoA, Gwalior
19.	Gaurav	CoA, Gwalior
20.	Mukesh Solanki	CoH, Mandsaur



Principal Investigator  
NAHEP IDP  
R.V.S.K.V.V. Gwalior

# एंटरप्रेन्योरशिप व बिजनेस इन एग्रीकल्चर की ट्रेनिंग के लिए 30 छात्र हैदराबाद गए

पीपुल्स सगावदाता • ग्वालियर  
मो.नं. 9644644430

राजमाता विजयाराजे सिंधिया कृषि विवि के ग्वालियर, सीहोर, मंदसौर, इंदौर, खडवा कॉलेजों के 30 छात्र-छात्राएं नेशनल एग्रीकल्चर हायर एजुकेशन (नाहेप) के तहत एंटरप्रेन्योरशिप इन एग्रीकल्चर की ट्रेनिंग लेने के लिए 2 दिसंबर को भारतीय कृषि अनुसंधान अकादमी हैदराबाद रवाना हो गए थे और 4 दिसंबर से ट्रेनिंग शुरू हो गई है। छात्र 20 दिन हैदराबाद में रहेंगे, छात्रों के रहने और खाने का खर्चा विवि उठाएगा। भारतीय कृषि अनुसंधान अकादमी भारतीय कृषि अनुसंधान परिषद (आईसीएआर) का एक अधीनस्थ संस्थान है। यह भारत का एक प्रमुख कृषि अनुसंधान संस्थान माना जाता है। इसका मुख्य कार्य विभिन्न कृषि अनुसंधान, प्रशिक्षण, शोध और प्रबंधन क्षेत्रों में मान्यता प्राप्त कार्यक्रमों का संचालन करना है।

नाहेप परियोजना के तहत 20 दिन के लिए गए हैं



## ये छात्र गए हैदराबाद

ग्वालियर: अनुष्का श्रीवास्तव, सोमिल सिंह, स्तुति श्रीवास्तव, नीरज, सीहोर: कल्पना गौर, अंकित कथिया, यश पाटीदार, लक्ष्मी नागर, आयुष जैन, सुमैला, रमित सोनी, बृजेश दाम्गी, सुष्टि पोद्दार, खडवा: दीपाशु गुर्जर, कमलेश, नवीन पटेल, अबिका पाटीदार, युवराज पाटीदार, राजवर्धन सिंह राठीर, मंदसौर: अदिति लोधी, सरोज यादव, रीतेश कुमरिया, चेतन नागर, वीरेंद्र यादव, तिषा मालवीय, इंदौर: हार्दिक शुक्ला, कुलदीप यादव, बृजेश पाटीदार, भाग्यश्री राठीर, रचना पाटीदार।

## किस कॉलेज के कितने छात्र

कॉलेज	छात्र
ग्वालियर	04
सीहोर	09
खडवा	06
मंदसौर	06
इंदौर	05

विवि के पांचों कॉलेजों के 30 छात्र-छात्राएं एंटरप्रेन्योरशिप और एग्री बिजनेस इन एग्रीकल्चर की ट्रेनिंग लेने के लिए हैदराबाद गए हैं।

डॉ. वाईपी सिंह,  
डीईएस कृषि विवि ग्वालियर



**Entrepreneurship  
Development Institute  
of India (EDII), Ahmedabad**



**RAJMATA VIJAYARAJE SCINDIA  
KRISHI VISHWAVIDYALAYA  
GWALIOR, MADHYA PRADESH**

# STUDENT DEVELOPMENT PROGRAM ON 'EMPOWERING TOMORROW'S AGRI-ENTERPRISE LEADERS'



**1 AGRI ENTREPRENEURSHIP**

**2 INNOVATION**

**3 EDUCATION**

**4 START-UPS**



**6th June, 2023**



**11:30 AM Onwards (Virtually)**



**DR. SATYA RANJAN ACHARYA**

**Speaker**

Professor & Director,  
Department of  
Entrepreneurship  
Education,  
EDII, Ahmedabad, Gujarat



**MR. SAMIT KUMAR**

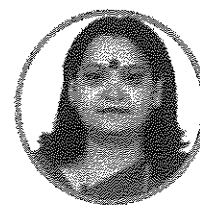
Assistant  
Professor,  
Sengupta  
Karnataka



**DR. NOUSHAD POOZEV**

**Speaker**

Project Manager  
Entrepreneurship  
Madhya Pradesh



**DR. MRIDULA BILLORE**

**Organiser**

Dean Faculty of Agriculture  
Rajmata Vijayaraje Scindia  
Krishi Vishwavidyalaya,  
Gwalior

Click below to register  
5th June (4pm)

<https://forms.gle/Cou1sfEp9s1m84Jx7>

The online program will be on the ZOOM Platform,  
link will be shared via WhatsApp and mail to the  
registered participants.



RAJMATA VIJAYARAGE SCINDIA KRISHI VISHWA VIDYALAYA

Acct-14

P.W. Form. III

B.P. 2020.21.99 dt. 30.12.2020  
Payment for the month of December 2020

102

CONTIGENT BILL

Bill No. 102

Date: 16/12/2020

(For use in the offices of Heads of Department and other office)

DISTRICT Place: Gwalior	Detailed bill of Contingent Charges of the OFFICE OF THE, PI, RVSKVV, GWALIOR For the Month: December, 2020	Voucher No. .... Dated..... List of payment of the Month of.....
	HEAD OF ACCOUNT <i>operational</i> (ICAR) NAHEP – IDP, RVSKVV GWALIOR	IDP-NAHEP, RVSKVV, GWALIOR VOUCHER No. 91 DATE 30/12/20 DATE NO. 12
Number of Sub-Voucher	Description of charges with number and dates of Authority for all charges requiring special sanction	AMOUNT Rs. P.
	<i>Payment to Hs EDLE Regional central office Bhopal for conducting 04 day workshop on personality development = on dates 29th April to 2nd May 2020</i>	<i>= 39530 = 00 - 4827 791 = 00 - 7082 791 = 00 = 35948 = 00</i>
	Carried over.....	TOTAL = G.T. = 39530 = 00

- Note:-1. Detailed classification should be recorded prominently in RED INK in manuscript or by rubber stamp in the blank space provided at top.
2. Erasures are absolutely forbidden incorrect entries must be cancelled neatly in RED INK and the correct entry interlined. Each correction must be attested by the Drawing and Disbursing officer it is in the order for payment.

# ENTREPRENEURSHIP DEVELOPMENT INSTITUTE OF INDIA [EDII]

Central Regional Office: 50 New MP-MLA Colony, Behind Canara Bank  
Near Depot Square, Bhadbhada Road, Bhopal- 462 003 (MP)  
Tele Fax: +91 755 4260015 +91 755 2424015 (M) +91 9425020517  
Email: [hanif@ediindia.org](mailto:hanif@ediindia.org) Website: [www.ediindia.org](http://www.ediindia.org), [www.ediindia.ac.in](http://www.ediindia.ac.in)

## Proforma Invoice

<u>Bill to party</u>		Ref.: EDII/CRO/BPL/2020/114	
The Registrar Rajmata Vijayaraje Scindia Krishi Vishwavidyalaya Gwalior (Madhya Pradesh) India		Date: 04/09/2020	
GSTIN:		State: Madhya Pradesh	State Code: 23
S. N.	Particular	Remarks	Amount (Rs.)
1.	Being an amount charged towards Fee Payable to EDII, Ahmedabad for conducting virtual training for the students of the RVSKVV, Gwalior as follows: <ul style="list-style-type: none"> <li>• Mode - Virtual training</li> <li>• Subject - 'Entrepreneurial Motivation'</li> <li>• Training Duration – 29<sup>th</sup> April to 2<sup>nd</sup> May 2020</li> </ul>	Fee Payable to EDII @ Man days cost Rs.33,500/-	33,500/-
2.	Add: IGST@18%		6,030/-
Total			39,530/-
Invoice Value in Words: Rs. Thirty nine thousand, five hundred and thirty only.			
Details of Entrepreneurship Development Institute of India [EDII], Ahmedabad			
PAN NO: AAATI0740B		EDII GSTIN: 24AAATI0740B1ZG	
Bank Details: IDBI Bank LTD Super Mall-Info City, Near GH "0" Circle Gandhinagar – 382 009 (Gujarat) India		SB Account No: 0132011021000 IFSC (For NEFT): IBKL0000260 Customer ID:110210 MICR Code: 380259009 Branch Code: 260 Swift Code: IBKLINBB009	

For

Entrepreneurship Development Institute of India

Dr. M. H. Mevati

NAREP, (C.A.)  
 R.V.S.K.V.V. Gwalior  
 ENTREPRENEURSHIP DEVELOPMENT INSTITUTE  
 Permanent/Consumable  
 Page No. 07 Date 21/09/2020  
 Rs. 39,530/-  
 Signature

Dr. M. H. Mevati  
 Director  
 Entrepreneurship Development Institute of India  
 Ahmedabad

मैं यह घोषणा करता हूँ कि ऊपर की गई जानकारी उपरोक्त प्रमाणों  
 और दस्तावेजों के अनुसार है और इसका हिसाब  
 मेरे दायरे में उचित क्रम पर किया गया है।

Head Office: Near Village Bhat, Via Ahmedabad Airport & Indira Bridge, P.O. Bhat – 382 428  
 Dist. - Gandhinagar, Gujarat (India) Tel.: (91) (079) 23969153, 58, Fax: (079) 23969164



BP-2020-21-98 dt 30/12/2020

103

**RAJMATA VIJAYARAGE SCINDIA KRISHI VISHWA VIDYALAYA**

Acct-14

Payment Number: 129-033193163

P.W. Form. III

**CONTINGENT BILL**

Bill No. 21

Date 30.12.20

(For use in the offices of Heads of Department and other office)

<p>DISTRICT Place: Gwalior</p>	<p>Detailed bill of Contingent Charges of the OFFICE OF THE, DFA, RVSKVV, GWALIOR For the month: <u>Dec.</u>, 2020</p>	<p>Voucher No. .... Dated..... List of payment of the Month of.....</p>
	<p>HEAD OF ACCOUNT <i>operations</i> (ICAR) NAHEP - IDP, RVSKVV GWALIOR</p>	<p>IDP-NAHE, RVSKVV, GWALIOR VOUCHER No. <u>90</u> DATE <u>12.12.2020</u></p>
<p>Number of Sub-Voucher</p>	<p>Description of charges with number and dates of Authority for all charges requiring special sanction</p>	<p>AMOUNT Rs. P.</p>
	<p><i>Payment to M/s EDII, Central Regional Office, Blackheads Road, Bhopal for virtual training i. Entrepreneurship as a career option for 100 weeks, 1st to 27 June 2020 RVSKVV, Gwalior</i></p>	<p><i>237180 = 00</i> <i>21.407 4744 = 00</i> <i>21.PDS 4744 = 00</i> <i>= 237180 = 00</i></p> <p>TOTAL = G.T. = <i>237180 = 00</i></p>

- Note:-1. Detailed classification should be recorded prominently in RED INK in manuscript or by rubber stamp in the blank space provided at top.
2. Erasures are absolutely forbidden incorrect entries must be cancelled neatly in RED INK and the correct entry interlined. Each correction must be attested by the Drawing and Disbursing officer it is in the order for payment.

**ENTREPRENEURSHIP DEVELOPMENT INSTITUTE OF INDIA [EDIII]**

Central Regional Office: 50 New MP-MLA Colony, Behind Canara Bank  
Near Depot Square, Bhadbhada Road, Bhopal- 462 003 (MP)  
Tele Fax: +91 755 4260015 +91 755 2424015 (M) +91 9425020517  
Email: [hanif@ediindia.org](mailto:hanif@ediindia.org) Website: [www.ediindia.org](http://www.ediindia.org), [www.ediindia.ac.in](http://www.ediindia.ac.in)

**Proforma Invoice**

Bill to party			
The Registrar Rajmata Vijayaraje Scindia Krishi Vishwavidyalaya Gwalior (Madhya Pradesh) India		Ref.: EDII/CRO/BPL/2020/115 Date: 05/09/2020	
GSTIN:		State: Madhya Pradesh	State Code: 23
S. N.	Particular	Remarks	Amount (Rs.)
1.	Being an amount charged towards Fee Payable to EDII, Ahmedabad for conducting virtual training for the students of the RVSKVV, Gwalior as follows: <ul style="list-style-type: none"><li>Mode - Virtual training</li><li>Subject - 'Entrepreneurship as a Career Option'</li><li>Training Duration - 2 weeks (12 days) - 15 to 27 June 2020</li></ul>	Fee Payable @ 50% Man days cost (50% of Rs.33,500/- per day) Rs. 16,750/- X 12 Days	2,01,000 /-
2.	Add: IGST@18%		36,180/-
Total			2,37,180/-
Invoice Value in Words: Rs. Two lakh, thirty seven thousand, one hundred and eighty only.			
Details of Entrepreneurship Development Institute of India [EDIII], Ahmedabad			
PAN NO: AAAT10740B		EDII GSTIN: 24AAAT10740B1ZG	
Bank Details: IDBI Bank LTD Super Mall-Info City, Near GH "0" Circle Gandhinagar – 382 009 (Gujarat) India		SB Account No: 0132011021000 IFSC (For NEFT): IBKL0000260 Customer ID:110210 MICR Code: 380259009 Branch Code: 260 Swift Code: IBKLINBB009	

For

Entrepreneurship Development Institute of India

Dr. M. H. Mevati



*[Handwritten signature]*

**PAID**

Head Office: Near Village Bhat, Via Ahmedabad Airport & Indira Bridge, P.O. Bhat – 382 428  
Dist. - Gandhinagar, Gujarat (India) Tel : (91) (079) 23969153, 58, Fax: (079) 23969164

## MEMORANDUM OF UNDERSTANDING (MoU)

Between

Dream Hatcher Incubator Centre, Gwalior

&

Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior

This Memorandum of Understanding ("MOU") is entered on the last date of signatures below, ("Date") between

**DREAMHATCHER INCUBATION CENTER, GWALIOR** a project of Gwalior Smart City Development Corporation Limited, having its registered office at Moti Mahal, Gwalior, Madhya Pradesh 474002, India

And

**Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Raja Pancham Singh Marg, Gwalior, Madhya Pradesh - 474002**

WHEREAS, DHIC and RVSKVV are referred to individually as a "Party" and collectively as "Parties".

WHEREAS, both parties have come together to collaborate and to maximize the benefits from mutual interests and setting out the working arrangements that each of the entities agree are necessary for successful collaboration.

NOW, THEREFORE, it is hereby agreed by and between the undersigned parties as follows:

### ARTICLE I: PURPOSE

The purpose of the collaborative relationship contemplated by this MOU is to offer potential synergy exchange and linkage opportunities for acceleration, pre-incubation and incubation programs. This collaboration will also serve as a platform for cross learning and sharing of knowledge, best practices on innovation, incubation and start-up ecosystem development. The undersigned parties will put forth a good faith effort in providing resources, both tangible and intangible, in assisting the other parties in this collaborative relationship to achieve their respective goals.

### ARTICLE II: BACKGROUND OF THE PARTIES

#### About Dream Hatcher Incubation Centre

Dream Hatcher is an initiative of Gwalior Smart City Development Corporation Ltd. for catalysing entrepreneurship culture in Gwalior. DHIC creates a culture of excellence & nurture the young entrepreneurs by providing them with mentorship & other required assistance. DHIC also facilitates office space, office infrastructure, mentoring and funding for all young and passionate budding entrepreneurs.

#### About RVSKVV

Established by Govt. of Madhya Pradesh, is a reputed State Agriculture University, engaged in improving the quality of human life in the region by imparting quality education at the undergraduate, post-graduate and doctoral level. The University's research initiatives in agriculture and environmental related sciences, as well as extension, farmer education and support to national level research projects gives it a unique status in contribution to the growth and development of the agriculture sector in the State and in the country. RVSKVV undertakes collaboration with a wide range of partners, both national and international, including civil society, farmers' organisations, experts and others to further its objectives.

### ARTICLE III: CONSULTATION & EXCHANGE OF INFORMATION

- The signatories may invite each other to send observers for meetings and conferences convened by them under their auspices in which, in the opinion of either signatory, the other may have an interest. Invitations shall be subject to the procedures applicable to such meetings or conferences.
- The signatories shall, at certain interval, keep each other informed of and consult on matters of common interest.
- Consultation and exchange of information and document under this article shall be without prejudice to arrangements, which may be required to safeguard the confidential and restricted character of certain information and documents.

### ARTICLE IV: EXPECTATIONS & BENEFITS

Under the terms of this memorandum of understanding, the parties seek, within the scope of this agreement to:

- DHIC may propose to organize some of our events in RVSKVV & shall provide auditorium for it. (if available on said date)
- RVSKVV may propose to organize some of their events related to incubatee's at DHIC. (Subject to availability & approvals)
- DHIC and RVSKVV may jointly organize inter college competitions to promote entrepreneurship ecosystem among student community.
- RVSKVV team can list as mentors with DHIC.
- Start-ups of RVSKVV and DHIC will get access to events organised by both Incubation centres.
- DHIC & RVSKVV may jointly invite senior industry people to Gwalior like Inventors, Heads of various industries and other resource personnel for start-ups.
- Identify synergies between the parties where they relate to each other's business strategies and common interests.
- Create opportunities for future joint or allied activities and projects which translate science into innovative tools or solutions for use by either party.
- Parties will nominate a single point of contact for better coordination.
- Either partner is not obligated to offering any financial resources to the other. However, financial support from one party to the other related to specific event/activity can be discussed on a case to case basis.

### ARTICLE VI: SCOPE

The parties acknowledge and agree that the areas of collaboration are not exhaustive in nature and the parties shall in good faith, negotiate to elaborate upon the areas of collaboration, including additional areas of collaboration as may be mutually agreed and the rights, responsibilities and obligation of each party in relation to each of the areas of collaboration.

### ARTICLE VII: VISIBILITY

This MOU is not legally binding and can be amended only in writing and subject to agreement by the parties. The parties have decided that neither party will acquire any rights to the intellectual property of the other party under this MOU. The parties recognize that the cooperative arrangements should be publicized.

**ARTICLE VIII: TERM, AMENDMENT & TERMINATION**

The proposed cooperation under this MOU is non-exclusive and shall have an initial term of 36 Months. (thirty-six months), renewable, commencing on \_\_\_/\_\_\_/ 2020, unless the MOU is terminated by either signatory upon 15 (fifteen) days' notice, in writing to other signatory. The MOU may be extended by mutual agreement of the parties, reflected in writing.

**ARTICLE IX: DISPUTE SETTLEMENT**

The parties are desirous of resolving all differences/disputes between them relating to or arising out of this agreement, through the chief executives or their nominated representatives of the respective parties for with the aggrieved party shall give at least 15 (fifteen) days prior notice to other party to resolve all differences/disputes.

**ARTICLE X: NOTICES & ADDRESSES**

IN WITNESS WHEREOF the parties have executed and delivered this MOU in two original copies in English language as at the day and year first above written at Gwalior.

DHIC

RVSKVV

*[Faint stamp text: Rajmata V... Vidyalaya, Gwalior, M.P.]*

By: *Mahip Tejari*

By: *S. K. RAO*

Name: Mahip Tejari

Name: DR S K RAO

Title:

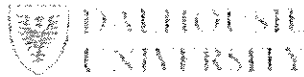
Title:

Date: 9/1/2020/

Date:

Email:

Email:



## MEMORANDUM OF UNDERSTANDING

between

**DALHOUSIE UNIVERSITY**  
Halifax, Nova Scotia, Canada  
on behalf of  
Faculty of Agriculture

and

**RAJMATA VIJAYARAJE SCINDIA KRISHI  
VISHWA VIDYALAYA**  
Gwalior, India

In order to facilitate the broadest academic relations, Dalhousie University ("Dalhousie"), Faculty of Agriculture and Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya ("RVSKV") agree to formally establish their cooperative relationship and, in doing so, provide a framework for further collaborative activities between the two institutions.

### 1. Areas of Academic Interest

This MOU initially will reflect the current collaboration in the field of **Crop protection, microbiology, precision farming, renewable energy, genetics and molecular biology**. Depending on the availability of resources, every effort will be made to build productive relationships and exchanges between members of both institutions. In particular, it is agreed that, subject to available resources, the two institutions will cooperate in the development of **Dual undergraduate degree programmes**.

### 2. Academic Cooperation in Agricultural Sciences

Cooperative activities under this MOU include or may be expanded to include faculty and researcher exchanges; student exchanges; mutual recognition and accreditation of courses; graduate student advising; development and/or delivery of courses; joint project development for external funding support; and any other area that may be mutually agreed upon by the two institutions. Such clearly beneficial activities will require specific arrangements, in particular with respect to financing.

### 3. Cooperative Research

It is recognized that significant opportunities exist for cooperative research between the two institutions. Such clearly beneficial activities may require specific arrangements, in particular with respect to financing. In view of the importance of cooperative research, both institutions agree to give high priority to this within their overall relationship, and to make every effort to develop programs within this area.

#### **4. Exchange of Faculty Members and Researchers**

Each institution will endeavour to facilitate visits by faculty members and researchers from the other. Visiting faculty members and researchers will comply with administrative procedures required by, and the regulations of, the host institution.

Each institution may provide economic support for visiting faculty members or researchers from the other institution, but is not required to do so.

Each institution will provide assistance to visiting faculty members and researchers from the other institution in securing living accommodations, but is not required to provide such accommodations.

Each institution will accord visiting faculty members and researchers from the other institution the use of research space (which must be negotiated and agreed upon prior to the visit), libraries and other facilities, opportunities to audit lectures free of charge and, to the extent possible, other common courtesies generally granted to guest scholars.

#### **5. Student Exchanges**

Both institutions will consider establishing student and research exchange programs for graduate and undergraduate students. The detailed conditions governing any such student or research exchange will be set forth in a separate agreement.

#### **6. Exchange of Scientific and Information Materials**

Both institutions agree to exchange as widely as is practicable such items as university calendars, prospectuses, course outlines, teaching materials, reference materials, scientific publications, journals and databases.

#### **7. Operational Constraints**

It is recognized that the implementation of program activities under this MOU will in every case be dependent upon the availability of necessary resources, either from within the institutions concerned or from external sources. In the case of externally funded projects, cooperative activities will be subject to the terms of the project of which they are a part.

#### **8. Specific Activities**

Both institutions agree that specific activities that may take place as a result of this MOU may be documented in subsequent more-detailed agreements which would then be appended to this one.

#### **9. Institutional Contacts**

The contact at Dalhousie for this MOU will be the Dean, Faculty of Agriculture. The contact at RVSKVV will be Prof. Surapaneni Koteswara Rao, Vice Chancellor.

#### **10. Duration of this MOU**

This MOU shall come into effect on **January 1, 2021**, and have a duration of five years,

after which extension, amendment or other changes may be made as agreed by both institutions. Within the initial five-year period, the terms of this MOU may be amended as required, subject to approval by each institution.

#### 11. Approval Procedure

Should this MOU require the approval of the Senate or other bodies within either institution, the signatories agree to initiate action for such approval at their respective institutions.

This agreement has been prepared in English, and the English version thereof shall prevail and be binding even though a translation may also be prepared.

Signed by:

**Dalhousie University**  
Halifax, Nova Scotia, Canada



Dr. Deep Saini  
President and Vice-Chancellor



Mr. Matt Hebb,  
Vice-President, Government and  
Global Relations

**Rajmata Vijayaraje Scindia Krishi Vishwa  
Vidyalyaya**  
Gwalior, India



Dr. Surapaneni K. Rao  
Vice Chancellor

Vice Chancellor

Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalyaya  
Gwalior (M.P.)-474002



**Detail list of Students Participating in International Training Programme under NAHEP-IDP**

**1. Dual Degree Programme- Dalhousie University, Canada- Duration: 2 years (Encl. 1-12)**

S.no.	Name	
1	Chandrika Chaturvedi	CoA Gwalior
2	ShailyTandekar	
3	Shreya Chaturvedi	
4	Vijaya Raje Singh	CoA Indore
5	Kuldeep Singh Anjana	CoHMandsaur

**2. Hebrew University of Jerusalem, Israel**

(Encl. 13-21)

**Duration: 17 days**

S.no.	Name of Student	Name of College
1	Shivansh	CoA Gwalior
2	Martand Sharma	CoA Gwalior
3	Atul Singh Jadon	CoA Gwalior
4	Priyanshi	CoA Gwalior

**3. Asian Institute of Technology, Bangkok, Thailand (First Batch)**

(Encl. 22-26)

**Duration: 3 Months**

S.No.	Name of students	Cat.	Roll no.	College Name
1.	SamriddhiUdaywal	OBC	19120158	CoA, Indore
2.	Vaishali Namdeo	Gen	19110179	CoA, Gwalior
3.	Ankita Gangwar	Gen	19110111	CoA, Gwalior
4.	Nikita Choudhary	SC	19150124	CoA, Khandwa
5.	Amit Birgodis	SC	19144505	CoH, Mandsaur
6.	Krishna Jayen	Gen	19130175	CoA, Gwalior
7.	Sakshi	OBC	19110161	CoA, Gwalior
8.	Mahak Chaturvedi	Gen	19120133	CoA, Indore
9.	Pushpalata Ahirwar	SC	19110154	CoA, Gwalior
10.	Banavth Bhavna	ST	19150106	CoA, Khandwa

**4. International Rice Research Institute, Manila, Philippines (First Batch)**

(Encl. 27-30)

**Duration: one Month**

S.No.	Name of students	Category	Roll no.	College Name
1.	Shivani Thakur	OBC	19110170	CoA, Gwalior
2.	Nikita Patidar	OBC	19120141	CoA, Indore
3.	RamuBaghel	OBC	19110158	CoA, Gwalior
4.	Kinga Trivedi	Gen	19110138	CoA, Gwalior
5.	Ishita Mital	Gen	19110132	CoA, Gwalior
6.	DeshieChoubey	Gen	19120119	CoA, Indore
7.	Harsh Jain	Gen	19110130	CoA, Gwalior
8.	Nitin Turkanc	Sc	19150127	CoA, Khandwa

Principal Investigator  
 NAHEP IDP  
 R.V.S.K.V.V. Gwalior

अनुज्ञापिका

I Mr KRISHNA TANDEKAR father of SHAILY TANDEKAR reside of SCUMYA APARTMENT H-2 FLAT NO 170, SAKET NAGAR, SECTOR 14, SHOPAL, A.P. do hereby undertake that my Daughter SHAILY TANDEKAR has been enrolled in Dual Degree Programme, under IDP-NAHEP, RVSKVV, Gwalior. Under Dual Degree Programme my Daughter SHAILY TANDEKAR is going to the Dalhousie University, Canada with my parental consent.

If my daughter SHAILY TANDEKAR has leave the Dalhousie University, Canada without completing the degree course with any reason, I will pay all expenses which have borne by the IDP-NAHEP, RVSKVV, Gwalior.

Parents Sign

Students Sign

Name: KRISHNA TANDEKAR

Name: SHAILY TANDEKAR

Date: 21/12/2021

Date: 21/12/2021

Place: SHOPAL

Place: SHOPAL

Witness two

1. Name: *Brijendra Singh*

2. Name: *...*

Signature: *[Signature]*

Signature: *[Signature]*

July 9, 2021  
Dalhousie ID Number: B00913095

Dear Shaily,

Congratulations, I am thrilled to inform that you have been admitted to the BSc (Agriculture) program in Plant Science (Faculty of Agriculture) for the session beginning September 2021 at Dalhousie's Agricultural Campus in Truro, Nova Scotia.

Your application has been accepted into the third year of the program according to the established agreement between Dalhousie University (Canada) and Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya University (RVSKVV) (India).

At Dalhousie, you are joining one of Canada's most established and diverse university communities. Our campuses welcome students from across Canada and over 115 countries around the world, and we look forward to welcoming you.

If you are currently attending classes, you must successfully complete your work and maintain an academic standing which continues to satisfy the admission requirements for your program. Please arrange for your final transcript to be sent to the Registrar's Office at [registrar@dal.ca](mailto:registrar@dal.ca) as soon as it is available.

Your next steps to prepare you to join the Dalhousie community are outlined at [dal.ca/congratulations](http://dal.ca/congratulations).

If you have any questions, please visit <http://dal.ca/connect> or call us at 1.902.494.2450. When communicating with us, please reference your Dalhousie ID number, which can be found in the top right-hand corner of this letter.

On behalf of the entire Dalhousie community, congratulations once again!

Sincerely,

*Adam Robertson*

Adam Robertson  
Registrar & Assistant Vice-Provost Student Affairs

July 9, 2021  
Dalhousie ID Number: B00912829

Dear Chandrika,

Congratulations, I am thrilled to inform that you have been admitted to the BSc (Agriculture) program in Plant Science (Faculty of Agriculture) for the session beginning September 2021 at Dalhousie's Agricultural Campus in Truro, Nova Scotia.

Your application has been accepted into the third year of the program according to the established agreement between Dalhousie University (Canada) and Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalyaya University (RVSKVV) (India).

At Dalhousie, you are joining one of Canada's most established and diverse university communities. Our campuses welcome students from across Canada and over 115 countries around the world, and we look forward to welcoming you.

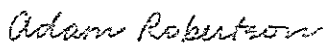
If you are currently attending classes, you must successfully complete your work and maintain an academic standing which continues to satisfy the admission requirements for your program. Please arrange for your final transcript to be sent to the Registrar's Office at [admission@dal.ca](mailto:admission@dal.ca) as soon as it is available.

Your next steps to prepare you to join the Dalhousie community are outlined at [dal.ca/congratulations](http://dal.ca/congratulations).

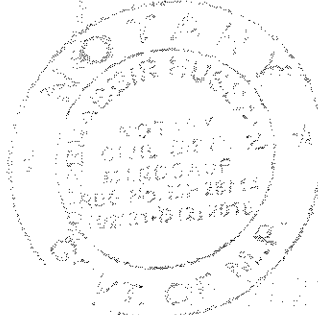
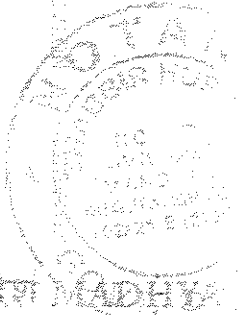
If you have any questions, please visit <http://dal.ca/connect> or call us at 1.902.494.2450. When communicating with us, please reference your Dalhousie ID number, which can be found in the top right-hand corner of this letter.

On behalf of the entire Dalhousie community, congratulations once again!

Sincerely,



Adam Robertson  
Registrar & Assistant Vice-Provost Student Affairs



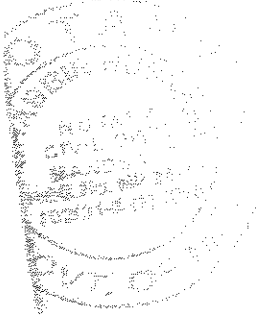
मध्य प्रदेश (MADHYA PRADESH)

Undertaking

I Mr. Hardeep Singh, Father of Kuldheep Singh Arjuna resident of House Number 539, Ward 14 Kuria, District of Indore Madhya Pradesh, India

do hereby undertake that my Son Kuldheep Singh Arjuna has been selected in Dual Degree Programme (M.A. + M.Phil. + M.N.S.W.) Gwalior. Under Dual Degree Programme my Son Kuldheep Singh Arjuna is going to the Dalhousie University Canada with my permission.

My Son Kuldheep Singh Arjuna will leave the Dalhousie University, Canada without completing his education. In addition, I will pay all expenses which have been borne by the Dalhousie University, Canada.



Name of the Applicant: Hardeep Singh  
Address: Kuria, District of Indore, Madhya Pradesh  
Signature: Hardeep Singh  
Date: 25-12-21  
Place: Indore

Signature of Applicant: Hardeep Singh  
Date: 25-12-21  
Place: Indore

Witness:  
Name of the Applicant: Hardeep Singh  
Signature: Hardeep Singh  
Date: 25-12-21  
Place: Indore

July 9, 2021  
Dalhousie ID Number: B00912725

Dear Kuldeep,

Congratulations, I am thrilled to inform that you have been admitted to the BSc (Agriculture) program in Plant Science (Faculty of Agriculture) for the session beginning September 2021 at Dalhousie's Agricultural Campus in Truro, Nova Scotia.

Your application has been accepted into the third year of the program according to the established agreement between Dalhousie University (Canada) and Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya University (RVSKVV) (India).

At Dalhousie, you are joining one of Canada's most established and diverse university communities. Our campuses welcome students from across Canada and over 115 countries around the world, and we look forward to welcoming you.

If you are currently attending classes, you must successfully complete your work and maintain an academic standing which continues to satisfy the admission requirements for your program. Please arrange for your final transcript to be sent to the Registrar's Office at [registrar@dal.ca](mailto:registrar@dal.ca) as soon as it is available.

Your next steps to prepare you to join the Dalhousie community are outlined at [dal.ca/congratulations](http://dal.ca/congratulations).

If you have any questions, please visit <http://dal.ca/connect> or call us at 1.902.494.2450. When communicating with us, please reference your Dalhousie ID number, which can be found in the top right-hand corner of this letter.

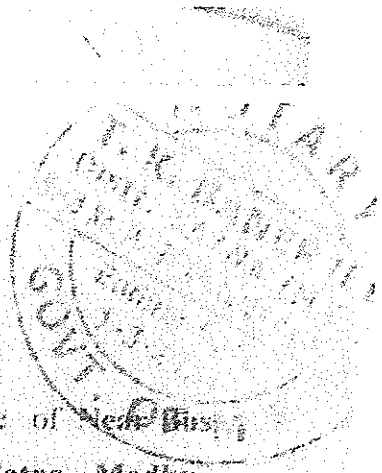
On behalf of the entire Dalhousie community, congratulations once again!

Sincerely,

*Adam Robertson*

Adam Robertson  
Registrar & Assistant Vice-Provost Student Affairs

Undertaking



I Mrs. Archana Singh Mother of Vijaya Raje Singh reside of Stand Sharda Colony Ward no. 07 Rana Ji House District Satna, Madhya Pradesh, India.

do hereby undertake that my Daughter Vijaya Raje Singh has been selected in Dual Degree Programme, under IDP-NAHEP, RVSKVV, Gwalior. Under Dual Degree Programme my Daughter Vijaya Raje Singh is going to the Dalhousie University Canada with my permission.

If my daughter Vijaya Raje Singh will leave the Dalhousie University, Canada without completing the degree course with any reason, I will pay all expenses which have borne by the IDP-NAHEP, RVSKVV, Gwalior.



Parents Sign: *Archana Singh*

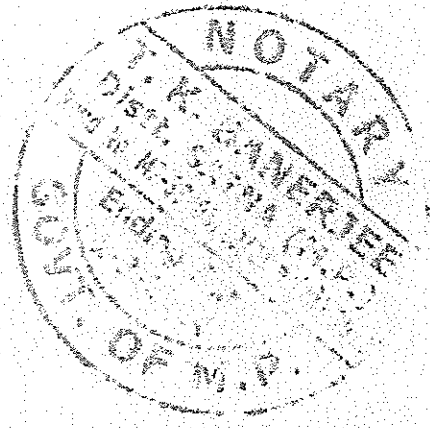
Students Sign: *Vijaya*

Name (in Capital): Mrs Archana Singh

Name (in Capital): Vijaya Raje Singh

Date: 18/12/2021

Place: SATNA



Witness two

1. Name: Ram Narayan Singh (Advocate)

Signature... *Ram Narayan Singh*

2. Name: Prince Kartkey Singh

Signature... *Prince Kartkey Singh*

WITNESSETH BEFORE ME BY THE WITHIN NAME:

July 9, 2021  
Dalhousie ID Number: B00912728

Dear Vijaya,

Congratulations, I am thrilled to inform that you have been admitted to the BSc (Agriculture) program in Plant Science (Faculty of Agriculture) for the session beginning September 2021 at Dalhousie's Agricultural Campus in Truro, Nova Scotia.

Your application has been accepted into the third year of the program according to the established agreement between Dalhousie University (Canada) and Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya University (RVSKVV) (India).

At Dalhousie, you are joining one of Canada's most established and diverse university communities. Our campuses welcome students from across Canada and over 115 countries around the world, and we look forward to welcoming you.

If you are currently attending classes, you must successfully complete your work and maintain an academic standing which continues to satisfy the admission requirements for your program. Please arrange for your final transcript to be sent to the Registrar's Office at [registrar@dal.ca](mailto:registrar@dal.ca) as soon as it is available.

Your next steps to prepare you to join the Dalhousie community are outlined at [dal.ca/congratulations](http://dal.ca/congratulations).

If you have any questions, please visit <http://dal.ca/connect> or call us at 1.902.494.2450. When communicating with us, please reference your Dalhousie ID number, which can be found in the top right-hand corner of this letter.

On behalf of the entire Dalhousie community, congratulations once again!

Sincerely,

*Adam Robertson*

Adam Robertson  
Registrar & Assistant Vice-Provost Student Affairs



## FOR VISA PURPOSES

## Personal Information:

July 9, 2021

<b>Family Name:</b> Singh	<b>Student's Full Mailing Address:</b> Near bus stand sharda colony ward no-7 SATNA (M.P.) Near bus stand SATNA (M.P.) Satna, India 485001
<b>Given Name(s):</b> Vijaya Raju	
<b>Date of Birth:</b> August 10, 2000	
<b>Student ID Number:</b> B00912728	

## Institutional Information:

<b>Name of Contact:</b> Adam Robertson	<b>Type of Institution:</b> Public
<b>Full Name and Address of Institution:</b> Dalhousie University 6299 South St, PO Box 15000 Halifax, NS B3H 4R2	<b>Website and Email Address:</b> www.dal.ca admissions@dal.ca
<b>Telephone Number:</b> 902.494.2450	<b>Fax Number:</b> 902.494.1630
<b>Designated Learning Institution (DLI) number:</b> O19209939282 (Required for Visa Application)	

## Program Information:

<b>Field/Program of Study:</b> Bachelor of Science Agriculture in Plant Science	<b>Level of Study:</b> Undergraduate
<b>Year of Study:</b> Year three of four	<b>Start Date:</b> September 7, 2021 <b>Last Date to Register:</b> September 17, 2021
<b>Estimated tuition fee for the first semester/year of program:</b> Tuition and incidental fees* 2 Terms Faculty of Agriculture \$1,650 Faculty of Architecture & Planning \$10,978 Faculty of Arts and Social Sciences \$9,405 - \$10,686 Faculty of Computer Science \$10,508 Faculty of Engineering \$11,755 Faculty of Health Professions \$10,739 - \$16,292 Faculty of Management Creative Co-op \$11,723 Management \$9,874 Faculty of Science \$10,686 On Campus Residence (lodging and food) \$11,627 - \$19,839 Off Campus Housing & Food \$12,000 Additional International Tuition Fee \$3,177 Health Insurance \$723 (Single) \$1,352 (Family) Books/Supplies \$4,800 Total \$20,027 - \$40,036 * Estimates above are provided as information only, based on rates for the 2020-2021 academic year. Rates are subject to increase each year upon approval by the Board of Governors.	<b>Length of Program:</b> - All Bachelor degree programs are four years. - All Diploma programs are a minimum of two years.

Signature of Institution representative:

*Adam Robertson*Adam Robertson  
Registrar & Assistant Vice-President Student Affairs

No./PI/IDP-NAHEP/RVSKV/IGWL/2021-22/107

Date: 28/07/2021

Certificate

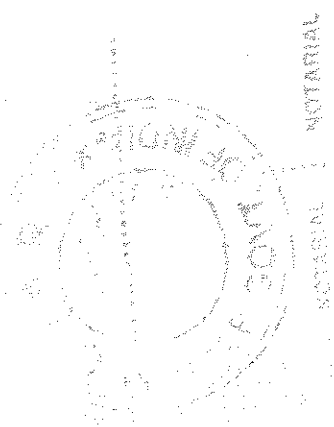
This is to Certify that Vijaya Raje Singh D/O Late Ashok Singh (Roll. No 18130177) College of Agriculture Indore RVSKVV, is selected for Dual Degree Programme at Dalhousie University, Canada for the Session 2021-22 & 2022-23.

She will be awarded 1500 CAD (Fifteen Hundred CAD Only) per month for the session 2021-22 for ten months only. 20000 CAD (Twenty Thousand CAD only) will be awarded one time stipend of the session 2022-23 to each student.

She will also avail the one time To and Fro travel expenses (Air India / Indian Airlines only) with Study Permit Processing Fee, Visa Fee and Health Insurance by IDP-NAHEP Project.

  
(Sanjay Sharma)

मध्य प्रदेश MADHYA PRADESH



I Mr. Manish Chaturvedi son of Shree Chaturvedi  
reside of G.S. Chindwara Colony, MP, Chindwara (M.P.)

do hereby associate and by Mr. Manish Chaturvedi has been selected in Dual  
Degree Programme in M.A. (Hons.) in History, U.S. Govt. Under Dual Degree  
Programme my son Manish Chaturvedi is going to Dalhousie University  
Canada with my permission.

If my son Manish Chaturvedi will leave for Dalhousie University, Canada  
without completing the degree course with any reason, I will pay all expenses which have  
come by the University of Dalhousie, Canada.

Parents Sign  
Name (in Capital Letters)  
Date: 21/12/2024  
Place: Chindwara

Signature  
Name (in Capital) SHREYA CHATURVEDI  
Date: 21/12/2024  
Place: Chindwara

Witness for  
1. Name  
Signature  
2. Name  
Signature

July 9, 2021  
Dalhousie ID Number: B00913094

Dear Shreya,

Congratulations, I am thrilled to inform that you have been admitted to the BSc (Agriculture) program in Plant Science (Faculty of Agriculture) for the session beginning September 2021 at Dalhousie's Agricultural Campus in Truro, Nova Scotia.

Your application has been accepted into the third year of the program according to the established agreement between Dalhousie University (Canada) and Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya University (RVSKVV) (India).

At Dalhousie, you are joining one of Canada's most established and diverse university communities. Our campuses welcome students from across Canada and over 115 countries around the world, and we look forward to welcoming you.

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Your next steps to prepare you to join the Dalhousie community are outlined at [dal.ca/congratulations](http://dal.ca/congratulations).

If you have any questions, please visit <http://dal.ca/connect> or call us at 1.902.494.2450. When communicating with us, please reference your Dalhousie ID number, which can be found in the top right-hand corner of this letter.

On behalf of the entire Dalhousie community, congratulations once again!

Sincerely,

*Adam Robertson*

Adam Robertson  
Registrar & Assistant Vice-President Student Affairs

FOR VISA PURPOSES

July 9, 2021

Personal Information:

Family Name: Chaturvedi	Student's Full Mailing Address: 69 Madhuban Colony VIP Road Near New Aadarsh ITI Cbhindwara, India 480001
Given Name(s): Shreya	
Date of Birth: December 7, 1998	
Student ID Number: D00913094	

Institutional Information:

Name of Contact: Adam Robertson	Type of Institution: Public
Full Name and Address of Institution: Dalhousie University 6299 South St. PO Box 15000 Halifax, NS B3H 4R2	Website and Email Address: www.dal.ca admissions@dal.ca
Telephone Number: 902.494.2450	Fax Number: 902.494.1630
Designated Learning Institution (DLI) number: O19209959282 (Required for Visa Application)	

Program Information:

Field/Program of Study: Bachelor of Science Agriculture & Plant Science	Level of Study: Undergraduate																				
Year of Study: Year three of four	Start Date: September 7, 2021 Last Date to Register: September 17, 2021																				
<p>Estimated tuition for the academic year of program: Tuition and Incidentals* 2 Terms</p> <table border="0"> <tr><td>Faculty of Agriculture</td><td>\$9,028</td></tr> <tr><td>Faculty of Architecture &amp; Planning</td><td>\$10,978</td></tr> <tr><td>Faculty of Arts and Social Sciences</td><td>\$9,405 - \$10,688</td></tr> <tr><td>Faculty of Computer Science</td><td>\$10,508</td></tr> <tr><td>Faculty of Engineering</td><td>\$11,735</td></tr> <tr><td>Faculty of Health, Education &amp; Society</td><td>\$10,739 - \$15,292</td></tr> <tr><td>Faculty of Management</td><td></td></tr> <tr><td>    Commerce Group</td><td>\$11,723</td></tr> <tr><td>    Management</td><td>\$9,874</td></tr> <tr><td>Faculty of Science</td><td>\$10,588</td></tr> </table> <p>On-Campus Residence (single room only) \$11,521 - \$18,369          Off-Campus Housing &amp; Food \$12,000          Additional International Tuition Fee \$2,000          Health Insurance \$728 (Single)                                            \$1,332 (Family)          Books &amp; Supplies \$1,800          Total \$12,301 - \$48,588</p> <p>* Estimated based on available information only, based on rates in effect for the academic year. Rates are subject to increase each year as approved by the Board of Governors.</p>	Faculty of Agriculture	\$9,028	Faculty of Architecture & Planning	\$10,978	Faculty of Arts and Social Sciences	\$9,405 - \$10,688	Faculty of Computer Science	\$10,508	Faculty of Engineering	\$11,735	Faculty of Health, Education & Society	\$10,739 - \$15,292	Faculty of Management		Commerce Group	\$11,723	Management	\$9,874	Faculty of Science	\$10,588	<p>Duration of Program:</p> <ul style="list-style-type: none"> <li>- All Bachelor degree programs are four years.</li> <li>- All Diploma programs are a minimum of two years.</li> </ul>
Faculty of Agriculture	\$9,028																				
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Management	\$9,874																				
Faculty of Science	\$10,588																				

Signature of Adam Robertson



Adam Robertson  
Registrar & Academic Vice-President, Student Affairs



## Umbrella Memorandum of Understanding

between

ICAR-National Research Centre for Grapes (ICAR-NRCG), Pune  
and

Rajmata Vijayaraje Scindia Krishi Vishwavidyalaya, Gwalior  
[Madhya Pradesh]



for facilitating

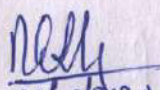
Students' Training/Postgraduate Research

This Memorandum of Understanding (hereinafter referred to as MoU) is made on 25<sup>th</sup> day of the month of August in the year 2020 by and between the **ICAR-National Research Centre for Grapes (ICAR-NRCG)** (Name of the ICAR Institute) having its Head Office at **P.B. No.3, Manjri Farm P.O., Solapur Road, Pune – 412307, Maharashtra** [hereinafter called " **ICAR-NRCG**"/First party], a constituent Research Institution of the Indian Council of Agricultural Research, Krishi Bhavan, New Delhi-110 001 on the ONE PART and the **Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya (Madhya Pradesh)** [Name of the AU/ICAR-DU (Within NARS) or Central/State Govt./Public Sector Funded Institution/State University/Autonomous Body/Private University or Institution having its headquarters at **Gwalior (Madhya Pradesh State)**] [hereinafter called "**RVSKVV**"/Second party] on the OTHER PART (who for the purpose of this MoU are hereinafter collectively referred to as the parties).

The parties, having discussed fields of common research interests and allied activities between the two institutions, have decided to enter into long-term collaboration for promotion of students' training and quality postgraduate research in cutting edge areas in accordance with the provisions contained in the Guidelines issued vide Letter F.No. 2-8/2012-HRD dated 25<sup>th</sup> April 2014 or as revised from time to time.

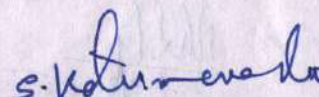
WHEREAS the "First Party" is involved in

- **Strategic and applied research on safe grape production and productivity.**
- **Transfer of technology and capacity building of stakeholders for enhanced and sustained production of grapes.**
- **National Referral Laboratory for Food Safety and Pesticide residue in fruits.** (specific mandated domain within the approved disciplines/divisions),

  
25/08/2020

(Signature of First Party)





(Signature of Second Party)

AND WHEREAS the "Second Party", established *vide* F. No..... dated..... by Govt. of India/Govt. of ..... (Name of the Agency) *vide* Act No. .... of ..... and recognized by University Grants Commission] at its Department of ..... is involved in ..... (specific areas of research),

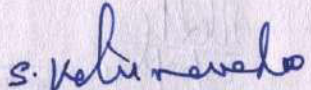
AND WHEREAS it has been considered expedient to agree in writing to participate jointly in the projects requiring expertise and logistics from both the parties.

### Article 1. Scope

- 1.1 Both the parties will recognize each other as an institute for conducting research related to thesis requirement of the student of Master and Doctorate degree programme. First party will recognize Scientist of Second part and vice versa as recommended by its Director in accordance with the University rules and regulations for guiding students working for the said degree.
- 1.2 The teacher/scientist in which the student is registered for the degree programme will be considered as Advisor and in which the research programme conducted with the approval of Director Instruction of both the Universities.
- 1.3 Operational details of research effort and collaboration will be made in common research programmes and/or projects restricted to specific mandated domain within the approved disciplines/divisions. The objective(s) for research work for a student coming from a Second party outside NARS should be exclusively different as far as possible.
- 1.4 Research instrumentation facility and library facilities available with the First party and the Second party will be made available to the faculty and research scholars. However, the costs of specific consumables will be borne by the respective organizations.
- 1.5 There shall be an exchange of students for academic, research and training purposes. Accommodation in the Hostel shall be arranged, wherever possible,

  
25/08/2020  
(Signature of First Party)



  
(Signature of Second Party)

as per extant rates. The duration of exchange visits will be determined by mutual consent between both the parties.

## Article 2. Management

- 2.1 Director of the First party and the Vice-Chancellor/Head of the Institution of the Second party will be responsible to work out operational details of co-operation between the two organizations and ensure proper and effective implementation of this MoU.
- 2.2 The Advisory Committee will meet at least once in a year alternatively in the institutions of the First party and the Second party to review the activities. This meeting shall include presentation on the academic and research activities, which should be open to the students, faculty and scientists.

## Article 3. Exchange of Information

- 3.1. The term "information" includes scientific or technical data, results and/or methods of investigation, and other information intended to be provided, exchanged, or arising under project descriptions entered into pursuant to this MoU.
- 3.2. The parties support the widest possible dissemination of information. Each party in joint projects shall be given the right to use, disclose, publish or disseminate such information for any and all purposes.

## Article 4. General Provisions

- 4.1 It is understood that the First party and the Second party subscribe to the principle of equal opportunity and do not discriminate on the basis of race, sex, age, caste or religion. Both the Institutions shall abide by these principles in the administration of this agreement and neither party shall impose criteria for exchange of scholars or students, which violate principles of non-discrimination.
- 4.2 Both parties understand that all financial agreements will have to be negotiated separately and will depend on the availability of funds.
- 4.3 Both parties acknowledge that exchange of students from one party to the other shall be subject to the availability of funds and shall comply with the regulations and policies of the institute where student will perform the research work..

(Signature of First Party)

*N. K. Kulkarni*  
25/10/2020



*S. K. Kulkarni*  
(Signature of Second Party)



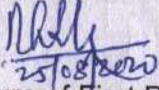
- 4.4 Any research publications arising will be jointly published with the senior authorship of the student followed by the advisor, co-advisor and member of the advisory committee (if contributed significantly) with the address of the University where the student was registered for the degree programme.
- 4.5 A copy of the thesis/dissertation will be submitted to the University where research work was performed by the student based on the MoU.
- 4.6 All questions related to this MoU arising during its term will be settled by the parties by mutual agreement. Disagreement at the operating level shall be forwarded to respective higher official for appropriate resolution failing which an arbitrator of mutual acceptance may be identified for the settlement of dispute, if any.
- 4.7 All questions not foreseen related to this MoU will be handled by the parties by mutual agreement.
- 4.8 Nothing in this MoU is intended to affect other cooperation or collaborations between the parties.

#### **Article 5. Intellectual Property Rights**

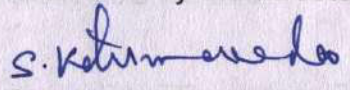
- 5.1 Both the parties will ensure protection of the Intellectual Property Rights generated or likely to be generated during the student's research work. The University where students is registered for the degree programme will be the first applicant for submission of joint application for IPR and the students and involved scientific staff from both the University shall be included as the inventor/breeder/author. The 'ICAR Guidelines for Intellectual Property Management and Technology Transfer/Commercialization' as amended from time to time shall be the reference for exploitation of the generated intellectual property, whose management and benefits sharing shall be mutually decided in each case.

#### **Article 6. Admission and Fees**

- 6.1 All those who wish to register for Master/Doctoral Programme under this MoU must apply for admission to other University through respective Director of Instructions. The allocation of Major Guide/Advisor would be finalized by the University where student is registered for the degree programme before submission of application where as Co-advisor will be allocated by the Director

  
25/08/2020  
(Signature of First Party)



  
(Signature of Second Party)

- of Instruction from the University where research work will be conducted in consultation with Professor and Head of respective Department.
- 6.2 Synopsis has to be finalized by the University where student is registered for the degree programme in consultation with the Co-advisor of the University where research work has to be performed.
  - 6.3 Admission of the student and the award of degree for different programmes will be the responsibility of the University where student is registered for the degree programme as per the rules and regulations.
  - 6.4 University where student is registered for the degree programme would have the right to screen the students eligibility for the admission based on their academic period..
  - 6.5 The PME Cell of the First party in consultation with the representative of the Second party shall decide the location and sharing quantum of research work.
  - 6.6 The number of students at any particular time will be subjected to the availability of research facilities and scientist time to guide thesis research in the University where research work has to be performed.
  - 6.7 Any students admitted to for training/postgraduate research, if found violating the rules and regulations laid down by the University where student is registered for the degree programme or indulge in such activities that amount to tarnishing the image of the Institute, or cause damage to the property, the registration to such student (s) would be summarily terminated. He University where student is registered for the degree programme will not complete the formalities of issuing the certificates to such students until they compensate the losses to the University where research work has been performed..
  - 6.8 Fees will be charged from the students by the First party as per Guidelines for the students to conduct research for their degree programmes as trainees at ICAR institutions vide Letter F. No. 2-8/2012-HRD dated 25<sup>th</sup> April, 2014 or revised Guidelines, if any, as may be issued from time to time. No fee may be charged by the First party from the students registered with AU/DU within NARS. However a student registered with a Second party, outside NARS, will deposit fee of fee of Rs. 20,000/- for training/research/dissertation up to duration of 3 months and @ Rs. 30,000/- per semester for the work exceeding three months. The fee structure is to be reviewed periodically after two years

(Signature of First Party)

*Mally*  
25/08/2020



(Signature of Second Party)

*S. K. Kulkarni*

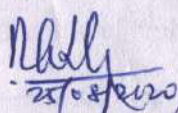
by the AU/DU or the ICAR Institute, as the case may be. However, the students may be charged a fee of Rs. 10,000/- for training duration of three months not leading to a dissertation/degree. Any change in fee structure by ICAR will be applicable from the date of revision and shall be charged by the First party.

#### **Article 7. Entry into effect, modification and termination**

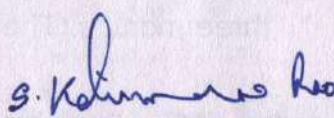
- 7.1. This MoU shall become effective on the date it is signed by the parties and shall be valid for three years extendable up to five years. Both parties shall review the status of the MoU at the end of each three/five year period to determine any modification, whenever necessary. The period of validity of this MoU may be extended by mutual consent up to five years. This MoU may be amended by mutual written agreement and may be terminated at any time by either party upon written notification signed by the competent authority of the party initiating termination. Such notification must be given to the other party at least six months in advance from the effective date of termination.
- 7.2. All joint activities not completed at the expiration or termination of the MoU may be continued until their completion under the terms of this MoU.
- 7.3. No amendment or modification of the MoU shall be valid unless the same is made in writing by both the parties or their authorized representatives and specifically stating the same to be amendment of the MoU. The modifications/changes shall become part of the MoU and shall be effective from the date on which they are made/executed, unless otherwise agreed to.

#### **Article 8. Terms and conditions**

- 8.1 This MoU is valid for a period of five years at the first instance, but can be extended with the consent of both the parties.
- 8.2 The MoU shall be deemed to have been automatically rescinded after the expiry of the MoU period, unless renewed for any further period as per mutually agreed upon terms at later stage.
- 8.3 Either of the parties hereto shall be entitled to terminate the MoU at any time with valid reasons acceptable in writing to both the parties and in such case, the MoU will terminate six month after the date of written notification or date expiry of the MoU whichever is earlier.

  
(Signature of First Party)

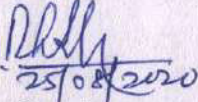


  
(Signature of Second Party)

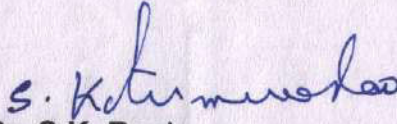
In case of any disputer that may crop-up during executing of MoU, the matter would be settled through arbitration committee comprising of a member nominated each by the two parties and one member will be jointly nominated by two parties.

This MoU has been executed in two originals, one of which has been retained by the First party and the other by the Second party).

IN WITNESS WHEREOF, the parties have executed this MoU and represent that they approve, accept and agree to terms contained herein.

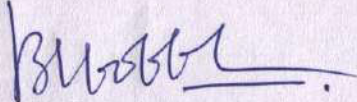
  
25/08/2020  
**Dr. R.G. Somkuwar**  
Director  
ICAR-National Research Centre for  
Grapes (ICAR-NRCG)  
P.B. No.3, Manjri Farm P.O., Solapur  
Road, Pune – 412307, Maharashtra  
(Name and Address of the First Party)  
Tel No. 020-26956001  
Signature with Seal

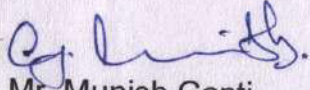
निदेशक / Director  
भाकूअनुप-राष्ट्रीय अंगूर अनुसंधान केंद्र, पुणे-412307  
ICAR-National Research Centre for Grapes, Pune-412307

  
**(Dr. S.K. Rao)**  
Vice-Chancellor  
Rajmata Vijayaraje Scindia Krishi  
Vishwavidyalaya, Gwalior [Madhya  
Pradesh]  
(Name and Address of the First Party)

Tel No.  
Signature with Seal

**Witness :** (Name and Address)

  
1. Mr. B.L. Kokkula  
Administrative Officer  
ICAR-NRCG, Pune

  
2. Mr. Munish Ganti  
Assistant Finance & Accounts  
Officer, ICAR-NRCG, Pune

(Signature of First Party)



**Witness :** (Name and Address)

1. Mr. D.L. Kori  
Registrar  
RVSKVV, Gwalior

  
2. Dr. A.K. Singh  
Director Instructions  
RVSKVV, Gwalior

(Signature of Second Party)



Mail 16/11/22

**OFFICE OF THE DIRECTORATE OF INSTRUCTIONS**  
**Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya,**

Raja Pancham Singh Marg, Behind LNUPE, Gwalior – 474002 (M.P.)

Telfax: 0751-2970517(O)

E-mail di@rvskvv.net

Website [www.rvskvv.net](http://www.rvskvv.net)

No./DI/2022-23/ 2826

Dated:...../11/2022

**ORDER**

On the recommendation of Dean, College of Agriculture, Gwalior and as per consent received from Dr. R.G. Somkuwar (Fruit Science) ICAR-NRC for Grapes, Pune, (M.H.) Mr. Praveen Kumar Ausaari (Roll No. 21113304) Ph.D. student of Fruit Science, College of Agriculture, Gwalior is hereby permitted to conduct his research work (Thesis research work) at ICAR-NRC for Grapes, Pune, with following terms & conditions.

1. He shall report the Director, ICAR-NRC for Grapes, Pune for thesis research work after relieving from the Dean, College of Agriculture, Gwalior.
2. He shall be registered in each semester at College of Agriculture, Gwalior after payment of prescribed fees of each semester.
3. He shall submit the progress of research work time to time to HOD, Fruit Science, College of Agriculture, Gwalior.
4. He shall submit his attendance every month of fulfill her residential requirements to HOD, Fruit Science, College of Agriculture, Gwalior duly verified by Major Advisor-II of ICAR-NRC for Grapes, Pune.
5. Major Advisor-I of the thesis research work shall be Teacher/Professor/Scientist of the University and Major Advisor-II shall be from ICAR-NRC for Grapes, Pune.
6. After completion of research work, he shall submit his thesis to HOD, Fruit Science, College of Agriculture, Gwalior.
7. The comprehensive exam, Doctoral Degree Seminar at College of Agriculture, Gwalior and thesis viva-voce shall be conducted at RVSQVV, Gwalior.

  
Director Instructions

Dated: ..... /11/2022

Endt./ No. DI/2022-23/ 2826

C.C. to:

1. Dean Faculty of Agriculture, RVSQVV, Gwalior.
2. Dean, College of Agriculture, Gwalior
3. Director, ICAR-NRC for Grapes, Pune.
4. Registrar, RVSQVV, Gwalior
5. Dy. Registrar, (Academic), RVSQVV, Gwalior
6. HOD, Horticulture, College of Agriculture, Gwalior
7. Person concern, Mr. Praveen Kumar Ausaari (Roll No. 21113304) Ph.D. student of Fruit Science, College of Agriculture, Gwalior.
8. P.S. to Hon'ble Vice Chancellor, RVSQVV, Gwalior.

  
Director Instructions



(8)

**DIRECTORATE OF RESEARCH SERVICES**  
**Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalyaya,**  
**Raja Pancham Singh Marg, Gwalior (M.P.) - 474 002**

**Dr. B.S. Baghel**  
Director Research Services

Ph. No. 0751-2970509 (Tele-Fax)  
Email-drsrvskvv@rediffmail.com

No. DRS/TO/2019/ 2595

Dated: 25-01-2019

To,  
The Director Instructions,  
RVSKVV, Gwalior,

Sub: Submission of signed copy MoU between RVSKVV & ABV-IIITM, Gwalior -reg.

Please find enclosed herewith a copy of signed MoU between RVSKVV & ABV-IIITM, Gwalior for your kind information and necessary action

Encl: As above

No. DRS/TO/2019/ 2596  
CC for favour of information to:

Director Research Services

Dated: 25-01-2019

1. The P.S. to Hon'ble Vice Chancellor, R.V.S.K.V.V., Gwalior.

Director Research Services

0/2

**Umbrella Memorandum of Understanding**

**Between**

-----  
**Atal Bihari Vajpayee Indian Institute of Information Technology & Management,  
Gwalior [Madhya Pradesh]**

**And**

**Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior [Madhya Pradesh]**

**For facilitating**

**Students Training/Postgraduate Research**

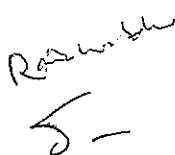
This Memorandum of Understanding (Hereinafter referred to as MoU) is made on this.....day of the month of .....in the year.....by and between the **Atal Bihari Vajpayee Indian Institute of Information Technology & Management, Gwalior [Madhya Pradesh]** having its Head Office at **Gwalior (Madhya Pradesh)**[Hereinafter called "ABVIITM"/First Party], on the ONE PART and the **Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya (Madhya Pradesh)** [Name of the AU (Within NARS) having its headquarters at **Gwalior (Madhya Pradesh State)** [Hereinafter called "RVSKVV"/Second party] on the OTHER PART (who for the purpose of this MoU are hereinafter collectively referred to as the parties) shall be involved in teaching, research and extension and outreach programmes related to agriculture and allied sectors.


The parties, having discussed fields of common research interests and allied activities between the two institutions, have decided to enter into long-term collaboration for promotion of students training and quality postgraduate research in cutting edge areas

WHEREAS the "First Party" is involved in the studies on Information Technology and Management (Specific mandated domain within the approved discipline/division), AND WHEREAS the "Second Party", established Govt. of Madhya Pradesh vide ordinance No. 4 of 2008 notified in the Extraordinary Gazette No. 507 dated 19<sup>th</sup> August, 2008. As per RVSKVV act (No. 4, Year 2009) shall be involved in teaching, research and extension and outreach programmes related to agriculture and allied sectors.

AND WHEREAS it has been considered expedient to agree in writing to participate jointly in the research projects requiring expertise and logistics from both the parties.





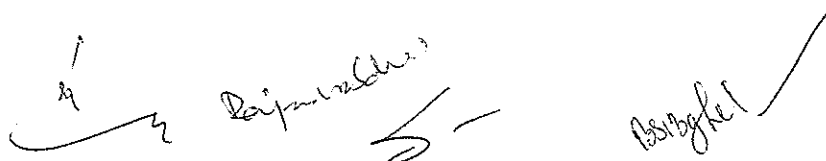


## Article 1. Scope

- 1.1 Both the institutes are agreed upon to work together in the area of Teaching, Research and Extension
1. Teaching: Capacity Building of Student and faculties in the frontier areas Image Analysis, Robotics, Artificial Intelligence etc.
  2. Research:
    - Collaborative research programme for IT application in Agriculture
    - Development of project for CSR activities as per needs of funding agencies for the outreach programmes.
    - Validation and up scaling of Technology of IT application in agriculture related areas.
- 1.2 Both the parties will recognize each other as an institute for conducting research related to thesis requirement of the student of Master and Doctorate degree programme. First party will recognize Scientist of Second part and *vice versa* as recommended by its Director in accordance with the University rules and regulations for guiding students working for the said degree.
- 1.3 Any research publications arising will be jointly published with the senior authorship of the student followed by the advisor, co-advisor and members of the advisory committee (if contributed significantly) with the address of the University where the student was registered for the degree programme.
- 1.4 Both the parties will ensure protection of the Intellectual Property Rights generated or likely to be generated during the student's research work. The University where students is registered for the degree programme will be the first applicant for submission of joint application for IPR and the students and involved scientific staff from both the University shall be included as the inventor/breeder/author. The 'ICAR Guidelines for Intellectual Property Management and Technology Transfer/Commercialization' as amended from time to time shall be the reference for exploitation of the generated intellectual property, whose management and benefits sharing shall be mutually decided as on 50% sharing basis in each case.

## Article 2. Entry into effect, modification and termination

- 3.1 This MoU shall become effective on the date it is signed by the parties and shall be valid till both the parties agreed. Both parties shall review the status of the MoU if required to determine any modification, whenever necessary. The period of validity of this MoU may be extended by mutual consent up to five years. This MoU may be amended by mutual written agreement and may be terminated at any time by either party upon written notification signed by the competent authority of the party initiative termination. Such notification must be given to the party at least six months in advance from the effective date of termination.
- 3.2 All joint activities not completed at the expiration or termination of the MoU may be continued until their completion under the terms of MoU.
- 3.3 No amendment or modification of the MoU shall be valid unless the same is made in writing by both the parties or their authorized representatives and specifically stating the same to be amendment of the MoU. The modification/changes shall become part of the

Handwritten signatures of three individuals, likely representing the parties to the MoU. The signatures are in black ink and are written over a white background.



MoU and shall be effective from the date on which they are made/executed, unless otherwise agreed to.

### Article 3. Terms and conditions

- 4.1 This MoU is valid for a period of five years at the first instance, but can be extended with the consent of both the parties.
- 4.2 The MoU shall be deemed to have been automatically rescinded after the expiry of the MoU period, unless renewed for any further period as per mutually agreed upon terms at later stage.
- 4.3 Either of the parties hereto shall be entitled to terminate the MoU at any time with valid reasons acceptable in writing to both the parties and in such case, the MoU will terminate six months after the date of written notification or date of expiry of the MoU whichever is earlier.

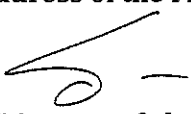
In case of any disputer that may crop-up during execution of MoU, the matter would be settled through arbitration committee comprising of a member nominated each by the two parties and one member will be jointly nominated by two parties.

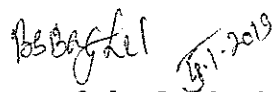
This MoU has been executed in two originals, one of which has been retained by the First party and the other by the Second party.

IN WITNESS WHERE OF, the parties have executed this MoU and represent that they approve, accept and agree to terms contained herein.

(Name and Address of the First Party)

(Name and Address of the Second Party)

  
Authorized Director of the Institution  
of the First Party

  
Authorized Director of the Institution of the  
Second party

Tel No.

Tel No.

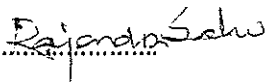
Date

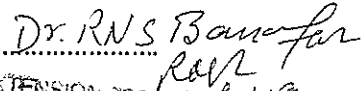
Date

DIRECTOR RESEARCH SERVICES  
Rajmata Vijayraje Scindia Krishi Vishwa Vidhyalaya  
Gwalior-474002 M.P. India

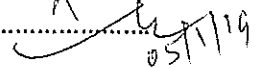
Signature with Seal

Signature with Seal

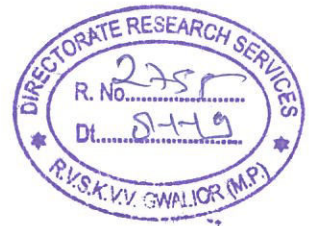
Witness 1.....

Witness 1.....  
DIRECTOR EXTENSION SERVICES  
DES-RVSKVV, Gwalior (M.P.)

Witness 2.....

Witness 1.....

कुलसचिव  
जयराजे सिंधिया कृषि विश्वविद्यालय  
ग्वालियर (म.प्र.)



Memorandum of Understanding  
Between

*Borlaug Institute for South Asia ("BISA") Jabalpur*

And

*Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior [Madhya Pradesh]*

*For facilitating*

*Students Training/ Ph.D. Research*

This Memorandum of Understanding (Hereinafter referred to as MoU) is made on this 02<sup>nd</sup> day of the month of January in the year 2019 by and between the *Borlaug Institute for South Asia ("BISA") Jabalpur [Madhya Pradesh]* having its Head Office at New Delhi, India; [Hereinafter called "BISA"/First Party], on the ONE PART and the *Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya (Madhya Pradesh)* [Name of the AU (Within NARS) having its headquarters at *Gwalior (Madhya Pradesh State)*] [Hereinafter called "RVSKVV"/Second party] on the OTHER PART (who for the purpose of this MoU are hereinafter collectively referred to as the parties).

The parties, having discussed fields of common research interests and allied activities between the two institutions, have decided to enter into long-term collaboration for promotion of students training and quality Ph.D. research in cutting edge areas.

WHEREAS the "First Party" is a non-profit international research institute having its registered office at C-2, B-Block, National Agricultural Science Centre (NASC) Complex, DPS Marg, PUSA Campus, New Delhi-110012, India; involved in the research activities in the field of agriculture AND WHEREAS the "Second Party", established by Govt. of Madhya Pradesh vide ordinance No. 4 of 2008 notified in extraordinary Gazette No. 507 dated 19<sup>th</sup> August, 2008. As per RVSKVV Act (No. 4, 2009), and recognized by University Grants Commission) is involved in teaching and research in agriculture.

AND WHEREAS it has been considered expedient to agree in writing to participate jointly in the facilitating Students Training and Ph.D. Research requiring expertise and logistics from both the parties.



Handwritten signature and date: 2-1-19

Handwritten notes: FP, 1351346/011, AP MOU, 8

#### Article 1. Scope

- 1.1 Both the institutes are agreed upon to work together in the areas of Academic and Research through Facilitating Students Training and Ph D Research.
- 1.2 Both the parties will recognize each other as an institute for conducting research related to thesis requirement of the student of Doctorate degree programme. First party will recognize Scientist of Second party and *vice versa* as recommended by its Director in accordance with the University rules and regulations for guiding students working for the said degree.
- 1.3 Any research publications arising will be jointly published with the senior authorship of the student followed by the advisor, co-advisor and member of the advisory committee (if contributed significantly) with the address of the University where the student was registered for the degree programme.
- 1.4 Both the parties will ensure protection of the Intellectual Property Rights generated or likely to be generated during the student's research work. The University where student is registered for the degree programme will be the first applicant for submission of joint application for IPR and the student and involved scientific staff from both the institutes shall be included as the inventor/breeder/author. The ICAR Guidelines for Intellectual Property Management and Technology Transfer, Commercialization as amended from time to time shall be the reference for exploitation of the generated intellectual property, whose management and benefits sharing shall be mutually decided as on 50% sharing basis in each case.

#### Article 2. Entry into effect, modification and termination

- 2.1 This MoU shall become effective on the date it is signed by the parties and shall be valid till the both the parties agreed upon. Both parties shall review the status of the MoU if required to determine any modification, whenever necessary. The period of validity of this MoU may be extended by mutual consent till the both the parties agreed upon. This MoU may be amended by mutual written agreement and may be terminated at any time by either party upon written notification signed by the competent authority of the party initiating termination. Such notification must be given to the party at least six months in advance from the effective date of termination.
- 2.2 All joint activities not completed at the expiration or termination of the MoU, may be continued until their completion under the terms of MoU.
- 2.3 No amendment or modification of the MoU shall be valid unless the same is made in writing by both the parties or their authorized representatives and specifically stating the same to be amendment of the MoU. The modification/change shall become part of the MoU and shall be effective from the date on which they are made/executed, unless otherwise agreed to.

#### Article 3. Terms and conditions

- 3.1 This MoU is valid till both the parties agreed upon.



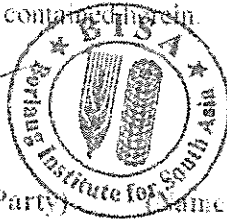
4.2. The MoU shall be deemed to have been automatically rescinded after the expiry of the MoU period, unless renewed for any further period as per mutually agreed upon terms at later stage.

4.3. Either of the parties hereto shall be entitled to terminate the MoU at any time with valid reasons acceptable in writing to both the parties and in such case, the MoU will terminate six months after the date of written notification or date of expiry of the MoU whichever is earlier.

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This MoU has been executed in two originals, one of which has been retained by the First party and the other by the Second party.

IN WITNESS WHERE OF, the parties have executed this MoU and represent that they approve, accept and agree to terms contained herein.



(Name and Address of the First Party)

*Managing Director*  
*BLSA*

Authorized Director of the Institution of the First Party

Tel No.

Date

Signature with Seal

Witness 1 *Meenakshi*  
*Office Coordinator*

Witness 2.....

(Name and Address of the Second Party)

*Director Instruction*  
*R.V.S.K.V.V. Gwalior (M.P.)*

Authorized Director of the Institution of the Second party

Tel No.

Date

Signature with Seal

Witness 1 *Pragati*  
*Office Coordinator*

Witness 2.....

*कुलसचिव*  
*जवाहर नगरपालिका लिखिया कुमि विश्वविद्यालय*  
*ग्वालियर (म.प्र.)*



(2019-20)-284

**Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya**  
Near Mela Ground, Raja Pancham Singh Marg, Gwalior (M.P.) - 474 002

Director Research Services

Ph. No. 0751-2970509, 2970510

Email- drsrsvskv@rediffmail.com.

drs@rsvskv.net

No. DRS S.T./2020-21/1114

Revised

Date: - 20-09-2021

Review meeting of the BISA/BARC Project on 21 September 2021 at 02:30PM

Through : Video Conferencing (Google meet)

- Chairman - Prof. S.K. Rao, Hon'ble Vice Chancellor  
 Co-Chairman - Dr. M.P. Jain, Director Research Services  
 Programme Conducted - Dr. H.P. Singh, Deputy Director Research  
 Rapporteur - Dr. Sushma Tiwari, Dr. Sudhanshu Jain & Dr. S.C. Shrivastav

**Programme Schedule**

- 02:30 - Welcome and Introductory Remarks:- Dr. S.S. Tomar, ADR  
 02:35 - Address BARC Scientists  
 02:40 - Chairman Address, Prof. S.K. Rao, Hon'ble Vice Chancellor

**Presentation by project Incharge**

	Name of the Project	Place	Name of the PI
<b>BISA Projects</b>			
02:50	Wheat trail	Gwalior, Indore, Sehore, Khandwa, Bhind, Morena, Sheopur & Ujjain	Dr Sushma Tiwari
<b>BARC Projects</b>			
03:00	Evaluation of Trombay Groundnut (TS) Genotype	Gwalior, Shivpuri, Ujjain & Mandsaur	Dr R S Sikarwar
	Field and laboratory facilities for Groundnut	Gwalior	Dr Sushma Tiwari
03:10	Evaluation of Trombay Sesame (TS) Genotype	Gwalior, Shivpuri, Morena & Aron (Guna)	Dr R S Sikarwar
03:20	Biological Management of Chickpea root rot wilt complex Field and laboratory facilities	Indore	Dr R K Singh
03:30	Screening of M1 generation of pea variety for early maturity	Gwalior	Dr Sudhanshu Jain
03:40	Evaluation of new mungbean selections	Sehore, Indore, Gwalior, Khandwa, Jhabua & Badwani	Dr Lekha Ram
03:50	Evaluation of new blackgram selections	Sehore	Dr Lekha Ram
04:00	Maintenance breeding for Moong & Urdbean Field and laboratory facilities	Sehore	Dr Lekha Ram
04:10	Screening of M5 population in chickpea for temperature tolerance Screening of M2 population in chickpea for temperature tolerance Confirmation of screened lines for temperature tolerance Confirmation of selected lines for temperature tolerance Maintenance breeding for Chickpea Field and laboratory facilities	Sehore	Dr M Yasin
04:20	Mutation in pigeonpea Maintenance breeding for Pigeonpea Field and laboratory facilities	Sehore	Dr Ashok Saxena



DIRECTORATE OF RESEARCH SERVICES  
Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya  
Near Mela Ground, Raja Pancham Singh Marg, Gwalior (M.P.) - 474 002

Ph. No. 0751-2970509, 2970510  
E.mail: drsrsvskvv@rediffmail.com,  
drs@svskvv.net

Director Research Services

04:30	Screening of M2 generation of Kalimooch rice varieties	ARS, Bagwai (Gwalior)	Dr. Janmejy Sharma Dr. Sushma Tiwari
04:40	Assessment of yield performance in Mustard genotype	ZARS, Morena	Dr. Jagendra Singh
04:50	Field evaluation of bio pesticide formulation based on Bacillus thuringiensis subsp. Kenyee (Bt kenyae) against lepidopteran insects pests on chickpea	KVK, Morena	Dr. M.L. Sharma Dr. Swati Singh
05:10	Views of V.V. authorities		
05:20	Views of BARC Scientists		
05:30	Concluding remarks by Hon'ble Vice Chancellor		
	Vote of thanks by Dr. H.P. Singh, DDR, RVSKVV, Gwalior		

No./DRS /S.T./2020-21/ L115  
Cc. for information to

1. Dean Faculty of Agriculture, RVSKVV, Gwalior.
2. Director Extension Services, RVSKVV, Gwalior.
3. All Dean, College of Agriculture/Horticulture, Gwalior, Sehore, Indore, Khandwa and Mandsaur
4. Associate Director Research, ZARS, Jhabua, Khargone, Morena
5. Sr. Scientist & Head, KVK.....
6. Person Concerned
7. P.S. to Hon'ble Vice Chancellor, RVSKVV, Gwalior.

Director Research Services  
Date: - 20/09/2021

Director Research Services



**DIRECTORATE OF RESEARCH SERVICES**  
**Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya,**  
2<sup>nd</sup> Floor, Administrative Block, Raju Chancham Singh Marg, Gwalior 474 002 M.P.  
(An ISO 9001:2008 Certified Org. with IAF No. 67934/A/0001/UK/En)

Dr. S.A. Sharma  
Director, Research Services

Dr. No. 477/2022  
Gwalior, M.P.

No./DRS/TO/2022/ 592

Date: 02-06-2022

To,

All Incharge,  
BISA/BARC/RKVY Projects, RVSKVV, Gwalior.

**Subject: Virtual meeting of BISA/BARC/RKVY Projects for review of progress during 2021-22 and planning for 2022-23 on June 07, 2022 at 10:00 AM. (through google meet)**

A review and planning meeting of of the BISA/BARC/RKVY Projects is scheduled to be held on June 07, 2022 at 10:00 AM through google meet under the Chairmanship of Hon'ble Vice Chancellor. You are therefore, requested to attend the meeting with power point presentation (PPT) of the physical and financial progress of the BISA/BARC/RKVY Projects for the period 2021-22 with action plan of 2022-23 in the attached format on scheduled date and time and send the same to this directorate. The Programme schedule & meeting link is attached herewith.

No. DRS/TO/2022/ 593  
CC for favour of information:-

1. The DFA/DI/DES, RVSKVV, Gwalior
2. The Dean, College of Agriculture/Horticulture, Gwalior, Indore, Sehore, Khandwa/Mandsaur.
3. The Associate Director Research, ZARS. Morena/Jhabua/Khargone.
4. Incharge, SARS, Bagwai.
5. Sr. Scientist & Head KVK, Shivpuri, Dhar, Aron (Guna), Jhabua, Badwani, Alirajpur.
6. Dr. G.K. Sharma, Asst Professor/Scientist, DRS, RVSKVV, Gwalior.
7. P.S. to the Hon'ble Vice Chancellor, RVSKVV, Gwalior.

  
Director Research Services

Dated: 02-06-2022

  
Director Research Services



**DIRECTORATE OF RESEARCH SERVICES**  
**Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya,**  
 2<sup>nd</sup> Floor, Administrative Block, Raja Pancham Singh Marg, Gwalior(MP)- 474002

Dr. S.K. Sharma  
 Director Research Services

Ph.No.0751-2970509  
 Email-drs@rvskvv.net

No./DRS/TO/2022/ 590

Date: 02-06-2022

**Virtual meeting of BISA/BARC/RKVY Projects for review of progress during 2021-22  
 and planning for 2022-23 on June 07, 2022 at 10:00 am**

Through : Video Conferencing{Google meet}

Time: 10:00 AM

- Chairman** - Prof. S.K. Rao, Hon'ble Vice Chancellor  
**Co-Chairman** - Dr. S.K. Sharma, Director Research Services  
**Program Conduction** - Dr. G.K. Sharma, Asst. Professor/Scientist  
**Rapporteur** - Dr. Sushma Tiwari, Dr. Sudhanshu Jain

Program Schedule

- 10:00 - Welcome and Introductory Remarks- Dr. S.K. Sharma, DRS  
 10:05 - Chairman Address - Prof. S.K. Rao, Hon'ble Vice-Chancellor

**Presentation by project Incharge**

	Name of the Project	Place	Name of the PI
<b>BISA Projects</b>			
10:10 am	Wheat trail	Gwalior, Indore, Sehore, Khandwa, Bhind, Morena, Sheopur & Ujjain	Dr Sushma Tiwari
<b>BARC Projects</b>			
10:20 am	Evaluation of Trombay Groundnut (TS) Genotype	Gwalior, Shivpuri, Ujjain & Mandsaur	Dr R S Sikarwar
	Field and laboratory facilities for Groundnut	Gwalior	Dr. Sushma Tiwari
10:30 am	Evaluation of Trombay Sesame (TS) Genotype	Gwalior, Shivpuri, Morena & Aron (Guna)	Dr R S Sikarwar
10:40 am	<ul style="list-style-type: none"> <li>Biological Management of Chickpea root rot wilt complex</li> <li>Field and laboratory facilities</li> </ul>	Indore	Dr R K Singh
10:50 am	Screening of M1 generation of pea variety for early maturity	Gwalior	Dr Sudhanshu Jain
11:00 am	Evaluation of new mungbean selections	Sehore, Indore, Gwalior, Khandwa, Jhabua, Badwani, Alirajpur & Shivpuri	Dr Lekha Ram
11:10 am	Evaluation of new blackgram selections		
11:20 am	Maintenance breeding for Moong & Urdbean Field and laboratory facilities	Sehore	Dr Lekha Ram
11:30 am	<ul style="list-style-type: none"> <li>Screening of M5 population in chickpea for temperature tolerance</li> <li>Screening of M2 population in chickpea for temperature tolerance</li> <li>Confirmation of screened lines for temperature</li> <li>Confirmation of selected lines for temperature tolerance</li> <li>Maintenance breeding for Chickpea</li> <li>Field and laboratory facilities</li> </ul>	Sehore	Dr M Yasin
11:40 am	<ul style="list-style-type: none"> <li>Mutation in pigeonpea</li> <li>Maintenance breeding for Pigeonpea</li> <li>Field and laboratory facilities</li> </ul>	Sehore	Dr. Ashok Saxena
11:50 am	Screening of M2 generation of Kalimooch rice varieties	SARS, Bagwai (Gwalior)	Dr. Janmejay Sharma Dr. Sushma Tiwari



12:00 pm	Assessment of yield performance in Mustard genotype	ZARS, Morena	Dr. Jagendra Singh
12:10 pm	Field evaluation of bio pesticide formulation based on Bacillus thuringiensis subsp. Kenyee (Bt kenyac) against lepidopteran insects pests on chickpea.	KVK, Morena	Dr. M.L. Sharma Dr. Swati Singh
<b>RKVY Projects</b>			
12:20 pm	RKVY Projects	CoA, Gwalior	Dr. Amita Sharma
12:30 pm	Establishment of Modal Nursery under RVSKVV	CoH, Mandasaur	Dr. Nitin Soni
12:40 pm	Views of V.V. authorities		
12:50 pm	Concluding remarks by Hon'ble Vice Chancellor		
01:00 pm	Vote of thanks by Dr. Sushma Tiwari.		

*[Signature]*  
Director, Research Services

Date: 02-06-2022

No./DRS/TO/2022/ 591

Cc. for information to-

1. DFA/DI/DES, RVSKVV, Gwalior.
2. Dean, College of Agriculture/Horticulture, Gwalior, Indore, Sehore, Khandwa/Mandasaur.
3. ADR, ZARS, Morena/Jhabua/Khargone.
4. I/c, SARS, Bagwai.
5. Sr. Scientist & Head, KVK, Shivpuri, Dhar, Aron (Guna), Jhabua, Badwani, Alirajpur.
6. Dr. Sudhanshu Jain, Senior Technical Officer, RVSKVV, Gwalior.
7. Dr. G.K. Sharma, Asst. Professor/Scientist, RVSKVV, Gwalior.
8. Dr. Sushma Tiwari, Scientist, College of Agriculture, Gwalior.
9. Person concerned.....
10. Ps to Hon'ble Vice Chancellor, RVSKVV, Gwalior.

*[Signature]*  
Director, Research Services



**DIRECTORATE OF RESEARCH SERVICES**  
**Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya,**  
Raja Pancham Singh Marg, Gwalior (M.P.) - 474 002

**Dr. M.P.Jain**  
Director Research Services

Ph. No. 0751-2970509 (Tele-Fax)  
Email-drsrvskvv@rediffmail.com

No. DRS/TO/2019/ 762

Dated: 05-07-2019

To,

The Director Instructions,  
RVSKVV, Gwalior,

Sub: Submission of signed copy MoU -reg.

Please find enclosed herewith a copy of signed MoU with following organization for your kind information and necessary action. The details are as mentioned below;

- ✓ KAMATAN FARM TECH Pvt Ltd, New Delhi & Madhya Bharat Consortium of farmer producer Company Ltd, Bhopal
- Bhabha Atomic Research Centre (BARC), Trombay, Mumbai, Maharashtra.

Encl: As above

No. DRS/TO/2019/ 763

CC for favour of information to:

1. The P.S. to Hon'ble Vice Chancellor, R.V.S.K.V.V., Gwalior.

Director Research Services

Dated: 05-07-2019

Director Research Services

o/c

## Memorandum of Understanding

This Memorandum of understanding is entered on 2<sup>nd</sup> July, 2019

BETWEEN

**RAJMATA VIJAYARAJE SCINDIA KRISHI VISHWAVIDYALAYA,**  
an academic institution of repute, located at Raja Pancham Singh Pahadgarh Marg,  
LNUPE Campus, Thatipur, Gwalior, Madhya Pradesh – 474002  
(Hereinafter referred to as RVSKVV)

AND

**KAMATAN FARM TECH PVT. LTD.,**  
a company incorporated under Companies Act of 2013, having its office at B – 231,  
Ground floor, Greater Kailash Part 1, New Delhi – 110048  
(Hereinafter referred to as KFTL)

AND

**MADHYA BHARAT CONSORTIUM OF FARMER PRODUCER COMPANY LTD.**  
a farmers' producer company, registered under sub section 2 of section 7 of the Companies Act  
2013 and Rule 8 of the Companies Incorporation Rules 2014, having its office at House No- 74,  
E-5, Arera Colony, Bhopal, Madhya Pradesh- 462016  
(Hereinafter referred as MBC-FPC)

WHEREAS

- A. **RVSKVV**, established by Govt. of Madhya Pradesh, is a reputed State Agriculture University, engaged in improving the quality of human life in the region by imparting quality education at the undergraduate, post-graduate and doctoral level. The University's research initiatives in agriculture and environmental related sciences, as well as extension, farmer education and support to national level research projects gives it a unique status in contribution to the growth and development of the agriculture sector in the State and in the country. **RVSKVV** undertakes collaboration with a wide range of partners, both national and international, including civil society, farmers' organisations, experts and others to further its objectives.
- B. **KFTL** is engaged in the business of sourcing, marketing, value addition and overall supply chain management of various agricultural produce and marketing of such produce through multiple channels in major cities of India. **KFTL** works directly with farmers, farmers' groups, cooperatives, farmer producer organizations, rural entrepreneurs and rural enterprises to assist producers in realizing a fair value for their produce.

- C. **MBC-FPC** is engaged in supporting the production, aggregation and marketing of agricultural produce by farmers. **MBC-FPC** works directly with farmers and their collectives to create an umbrella support to member FPOs particularly on market, financial linkages, brand development, value adding, agri-extension, insurance and leverage & transfer the benefits of the economy of scale.
- D. All parties described briefly above have agreed to collaborate to develop a programme to introduce Global Good Agricultural Practices (GAP) in the pulses production chain in Madhya Pradesh by leveraging their individual and collective strengths to meet this objective.

**Broad objectives of the partnership:**

1. Development of an Indian Version of Global GAP Manual and Customization for the pulses group of crops (within the broader boundaries of Global GAP Practices which are already available), validation and recommendation and notification by RVSKVV.
2. Organize training of lead farmers and FPO functionaries, field staff etc. on the protocols to be developed, especially agronomy, soil health management and plant protection practices.
3. Leverage Pulses GAP training modules through Krishi Vigyan Kendras (KVK) and other partners to enable outreach to farmers and FPO members.
4. Organize FLDS on GAP practices and adoption of villages for FLDs on GAP.
5. Ensure inclusion of development of GAP based Pulses Supply Chain under upcoming Business Incubation Programme of the University.
6. Promotion of pulses seeds production under Seed Village Scheme or any new scheme in partnership with MBC-FPC, KFTL and its partners.
7. Support for organizing GAP conferences, Buyer-Seller meet etc. for awareness building on GAP in partnership with MBC-FPC, KFTL and its partners.
8. KFTL & MBC-FPC will support RVSKVV in these efforts by linking members of FPOs through its partnership networks in Madhya Pradesh as well as marketing throughout the country.

All the three parties agree that:

1. Either side may terminate this MOU by giving the other one month's advance intimation in writing to this effect during the validity period of this document.
2. Unless extended by mutual agreement, this agreement will be valid for five years from the date of signing.

(Signature)

(Authorized Signatory)

*M. J. S. 2/7/19*  
DIRECTOR RESEARCH SERVICES

Rajmata Vijayaraje Scindia Krishi Vishwa Vidhyalaya  
Gwalior-474002 M.P. India

For **RAJMATA VIJAYARAJE SCINDIA KRISHI VISHWAVIDYALAYA**  
PLACE:

(Signature)

(Authorized Signatory)

For **KAMATAN FARM TECH PRIVATE LIMITED**

PLACE: *Gwalior, 2 July 2019*

(Signature)

(Authorized Signatory)

For **MADHYA BHARAT CONSORTIUM OF FARMER PRODUCER COMPANY LIMITED**

PLACE: *CWL 2 July 2019*



**DIRECTORATE OF RESEARCH SERVICES**  
**Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya,**  
Raja Pancham Singh Marg, Gwalior (M.P.) - 474 002

24/10

**Dr. M.P.Jain**  
Director Research Services

Ph. No. 0751-2970509 (Tele-Fax)  
Email-drsrvskvv@rediffmail.com

No. DRS/TO/2019/ 762

Dated: 05-07-2019

To,  
The Director Instructions,  
RVSKVV, Gwalior,

Sub: Submission of signed copy MoU -reg.

Please find enclosed herewith a copy of signed MoU with following organization for your kind information and necessary action. The details are as mentioned below;

- KAMATAN FARM TECH Pvt Ltd, New Delhi & Madhya Bharat Consortium of farmer producer Company Ltd, Bhopal
- ✓ Bhabha Atomic Research Centre (BARC), Trombay, Mumbai, Maharashtra.

Encl: As above

No. DRS/TO/2019/ 763

CC for favour of information to:

1. The P.S. to Hon'ble Vice Chancellor, R.V.S.K.V.V., Gwalior.

Director Research Services

Dated: 05-07-2019

Director Research Services

o/c

**MEMORANDUM OF UNDERSTANDING  
BETWEEN**

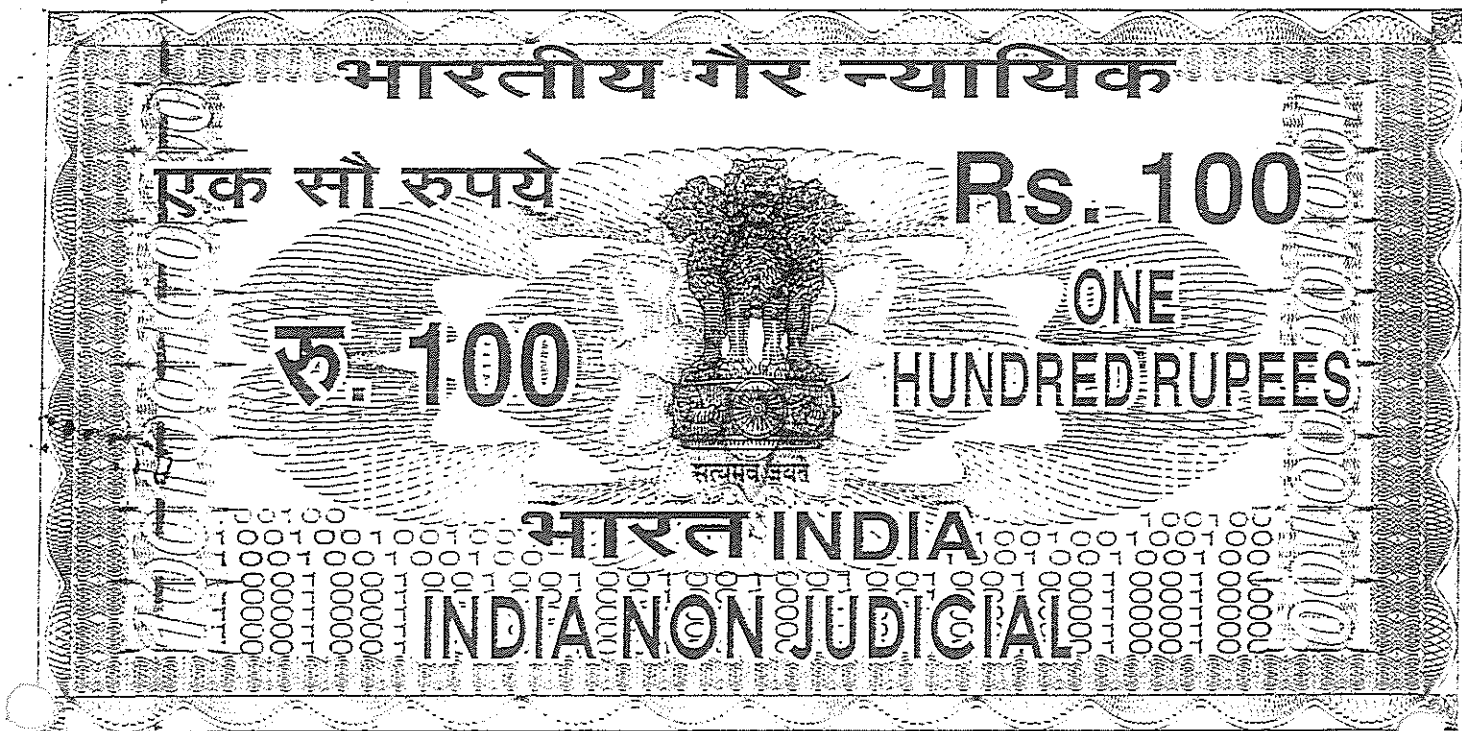
**BHABHA ATOMIC RESEARCH CENTRE  
MUMBAI**

**AND**

**RAJMATA VIJAYARAJE SCINDIA KRISHI VISHWA  
VIDYALAYA, GWALIOR, MADHYA PRADESH**

**For**

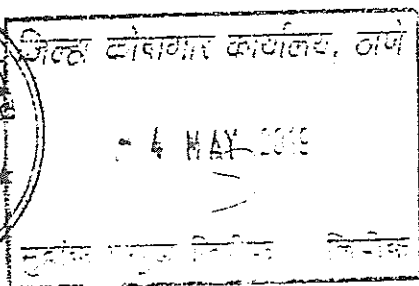
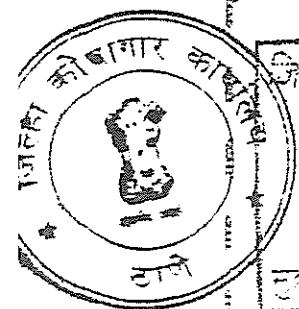
**FIELD EVALUATION OF TROMBAY CROP  
MUTANTS/SELECTIONS-RESEARCH AND SEED  
PRODUCTION ACTIVITIES IN AGRICULTURE**



महाराष्ट्र MAHARASHTRA

2019

VC 056845



MEMORANDUM OF UNDERSTANDING (MoU)  
BETWEEN  
BHABHA ATOMIC RESEARCH CENTRE (BARC),  
DEPARTMENT OF ATOMIC ENERGY (DAE), MUMBAI  
AND  
RAJMATA VIJAYARAJE SCINDIA KRISHI VISHWA VIDYALAYA, GWALIOR,  
MADHYA PRADESH  
FOR  
FIELD EVALUATION OF TROMBAY CROP MUTANTS/SELECTIONS-RESEARCH AND  
SEED PRODUCTION ACTIVITIES IN AGRICULTURE

This MoU is made on this 5<sup>th</sup> day of July in the year 2019 between the President of India, acting through and represented by the Director, Bhabha Atomic Research Centre (hereinafter called BARC, which shall, unless the context does not admit, include its successors and assigns), Government of India, Department of Atomic Energy, Trombay, Mumbai-400085 on the one part  
AND

Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior, Madhya Pradesh [hereinafter called RVSKVV which shall, unless the context does not admit, include its successors and assigns] having its registered office at Raja Pancham Singh Marg, Gwalior-474002, M.P. on the other part.



## PREAMBLE

Whereas BARC is a premier multidisciplinary R&D organization under the Department of Atomic Energy, Govt. of India, engaged in research with the objective of generating knowledge and techniques for nuclear power production, advancement of science, use of radioisotopes in industry, health and agriculture as well as research in frontier areas of science and technology. This includes development of various types of accelerators for nuclear studies, medical applications, bio-technology, food preservation, non-destructive testing, pollution control & monitoring and other industrial applications.

Whereas RVSKVV is an Agricultural university located in central India providing high quality agricultural education and research to serve the farmers of Madhya Pradesh and other parts of the country. This university is a leader in soybean, chickpea and lentil at the national level and played a major role in soybean and pulse revolution in the country. A chickpea variety JG-11 developed by this University brought chickpea revolution in Andhra Pradesh. The University activities are operated through five Zonal Agricultural Research Stations (Morena, Khargone, Jhabua, Indore and Sehore); four Regional Agricultural Research Stations (Gwalior, Mandasaur, Ujjain and Khandwa) and 4 Special Research Stations (Entkhedhi, Bagwai, Jaora and Badwah). University outreach programme is supported through 22 KVKs for technology transfer and contribute to the agriculture development.

Induced mutations by use of gamma rays can be used for improvement of local landraces and traditional varieties of pulses, soybean, linseed, groundnut and other field crops. One of the important advantages of induced mutation breeding is that it enables breeders to introduce specific improvements without affecting the existing good attributes qualities of crop varieties. BARC has strong expertise in the field of induced mutation breeding. Therefore, induced mutagenesis with treatment of proper dose of radiation is one of the good options to improve the farmers' varieties land races without losing their original quality. This breeding method helps to reduce height and duration as well as some other drawbacks viz. grain shattering problem, long awns, grain coloration, grain/pod size etc.


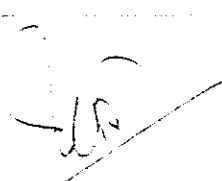
The applications of nuclear techniques in research efforts of these areas are highly relevant. BARC has developed new mutants or breeding lines in different crops, which need large scale field experimentation. Active collaboration between RSVKVV and BARC may open new avenues for development in the state agriculture.

BARC and RVSKVV hereby enter into this MoU covering the activities as detailed below:

1. This MoU supersedes all the previous correspondence and discussions, understanding and agreement between the two parties on the subject pertaining to this MoU.

### 2. PERIOD OF MoU AND ITS EXTENSION

This MoU comes into effect from the date of its signing and will remain in force for 5 years. Its validity can be extended by mutual agreement between both the parties.



## SCOPE OF THIS MoU

This MoU aims at strengthening the linkages between Nuclear Agriculture and Biotechnology Division (NA&BTD), Food Technology Division (FTD), BARC and RVSKVV through a collaborative programme on

### 1.1 Breeding of new crop varieties, evaluation, release and notification.

- 1.1.1 Testing and evaluation trials of newly developed mutants or selections (Viz. pigeonpea, mungbean, urdbean, cowpea, chickpea, soybean, linseed, groundnut, mustard etc.) developed by BARC or jointly developed by BARC and RVSKVV.
- 1.1.2 Providing field and laboratory facilities for growing and multiplication of hybridized segregating and irradiated population.
- 1.1.3 Breeder seeds multiplication of Trombay varieties.

### 1.2 Collaborative research programs on Agriculture

The following research areas have been identified for collaboration between BARC and RVSKVV.

- 1.2.1 Mutation breeding for improving new crop varieties in cereals, pulses oilseeds and horticultural crops.
  - 1.2.2 Breeder seed production of Trombay varieties.
  - 1.2.3 Improvement of traditional and special land races of Madhya Pradesh through induced mutagenesis
  - 1.2.4 Facilitating growing and testing of biotic and abiotic stress tolerant lines in the field
  - 1.2.5 Studying quality aspects (bio-fortification), thermo-tolerance and disease resistance in cereals, pulses and oilseeds.
  - 1.2.6 Field testing of crop protection technologies/ microbial bio-agents developed at BARC.
- 1.3 Research and development programme for application of radiation technology for preservation of food and agricultural commodities produced in Madhya Pradesh; setting up of a radiation processing plant in the vicinity of the university; and carrying out entrepreneur development and awareness programmes to popularize radiation technology and strengthening linkages between Food Technology Division (FTD), BARC and RVSKVV.

## 3. ROLE AND RESPONSIBILITIES OF BARC AND RVSKVV

### 3.1 Roles and Responsibilities of BARC:

During the period of this MoU, BARC will provide:

- 3.1.1 Irradiation service to RVSKVV for mutation breeding research experiments.
- 3.1.2 Mutants or recombinant lines in advanced generations, for testing at the research stations of the university. Seeds of these lines will be sent to scientist concerned of the university after finalizing the mutually agreed number. Scientist concerned

from BARC will visit at different crop growth stages, record observations as per need decided by mutual consultations.

3.1.3 Laboratory facilities for teaching staff and Ph.D. students (three each per year) for the purpose of training and experimental work in nuclear and molecular techniques. The expenses on research experiments such as consumables will be borne by BARC.

3.1.4 BARC may provide guest house accommodation to the visiting faculty scholars on payment basis.

#### 4. ROLE AND RESPONSIBILITIES OF RVSKVV :

4.1 The R&D programmes for the genetic improvement of crop plants will be taken up by the university as per the needs of the Madhya Pradesh region. The contents of such R&D programmes will be decided by mutual agreement.

4.2 The university will conduct trials for stable mutant/recombinant lines developed by BARC, on its fields. These will include cereals, oilseeds, pulses and other crops. The university will provide its infrastructure and manpower for conducting these trials.

4.3 To take up breeder seed production of Trombay varieties of pulses, groundnut and other crops.

4.4 The university may nominate each year eligible and deserving persons (teaching staff and Ph.D. scholars: three each) for one month training in BARC, Trombay.

4.5 The university will nominate scientists from BARC as members of Student Advisory Committee, as co-major advisor for smooth functioning of students' research work at BARC.

#### 5. SCHEDULE OF IMPLEMENTATION.

Activities plan will be submitted by concerned scientists from both institutions. The plan for the season will be scrutinized by Director of Research, RVSKVV, Gwalior, Director, Associate Director, BSG, Head, NA&BTD, BARC will be invitee for the meeting. The university along with Head, NA&BTD and Head, FTD BARC will carry out planning and review of MoU-activities.

#### 6. CO-ORDINATION OR PROGRESS REVIEW COMMITTEE

A committee would be set up with members from BARC and RVSKVV to monitor the progress.

##### Project Review Committee

Frequency of the meeting: at least once a year to review the progress.

Director of Research, RVSKVV: Chairman

Director/ Associate Director, Bio-Science Group, BARC: Co-Chairman

1. Dr. S.S. Tomar, ADR (HQs), RVSKVV, Gwalior Co-ordinator/PI

2. Dr. V.K. Khandalkar, Prof. & Head, CoA, RVSKVV, Gwalior

3. Dr. Rajesh Lekhi, Prof. & Head, CoA, RVSKVV, Gwalior

Head, Nuclear Agriculture & Biotechnology Division, BARC

Senior Scientists (Cereals, Oilseeds, Pulses), RVSKVV

Senior Scientists (Cereals, Oilseeds, Pulses), BARC

**Project Implementation Committee:**

**Frequency of the meeting: Once every 6 months to prepare the road map and implement the work plan.**

1. Head, NABTD, BARC-Chairman
2. Dr. M. Yasin, Principal Scientist, CoA, RSKVV, Sehore
3. Dr. R.K. Singh, Senior Scientist, CoA, RSKVV, Indore
4. Dr. J.G. Manjaya, Soybean Improvement Group, NABTD, BARC
5. Dr. Anand M. Badigannavar, Head, Groundnut Improvement Section, NABTD, BARC
6. Dr. J. Souframani, SO F, Pulses Improvement Section, NABTD, BARC
7. Dr. S. T. Mehetre, SO F, NABTD, BARC
8. Dr. S. N. Jamdar SO G, FTD, BARC

**7. FINANCIAL TERMS AND MODE OF PAYMENT**

- 7.1 BARC will provide financial assistance of Rs. 50,00,000 (Rupees Fifty lakhs Only) for the five year agreement according to Appendix – I.
- 7.2 BARC will release the financial assistance to RSKVV on yearly basis subject to satisfactory review of the work and proper utilization of previous financial year's grant.
- 7.3 The Comptroller/ Director of Research, RSKVV will allot the funds for various activities as per the decision of Project Review Committee.
- 7.4 RSKVV shall submit a detailed account of expenditure out of money received from BARC immediately after financial year is over. The account will be examined by NA&BTD with reference to items, quantity etc. of work and passed to Accounts Division, BARC for further examination.

**8. NO LIABILITY CLAUSE**

BARC shall not be responsible for any loss or damage whatsoever, resulting due to implementation of any technology at the premises of the user(s) or due to testing of the same at the premises of the user(s).

**9. CONFIDENTIALITY CLAUSE**

RSKVV undertakes with BARC not to transfer for any consideration to be received by it, the know-how/data obtained from BARC through this MoU, to any other party in any manner whatsoever without the prior written approval of BARC whether within and beyond the period of this MoU. RSKVV shall take all necessary measures to ensure that the knowledge/data obtained under this MoU is not passed on or disclosed. Similarly, BARC will not transfer any data obtained through this MoU to any other party in any manner whatsoever without the prior written approval of RSKVV. In case of replying to any possible RTI application regarding joint activities, it will be so done with mutual consultation.

**10. NON-EXCLUSIVE NATURE OF THIS MOU:**

This MoU shall be non- exclusive in its nature for all purposes.

**11. PUBLICATIONS**

Publications, if any, in respect of the development of the know-how as envisaged with the prior mutual consent of the two parties shall be in the names of the investigators from both parties. It will be suitably acknowledged that the work has been carried out jointly by the two parties. Prior publications will be avoided where a patent or patents may possibly be taken

## 12. PATENTS & PATENT INFRINGEMENT

If the know-how developed as a result of the joint development programme leads to a patent or patents being taken, the parties hereto shall mutually agree whether or not to apply for a patent patents and if so in which countries. Patents taken if any shall be in the joint names of the two parties. The cost of taking out a patent / patents shall be shared equally by the two parties.

In the event of any claim or action being brought against either party to this MoU alleging infringement of a patent of a third party, the parties hereto shall mutually decide whether to defend the claim or not. The cost of defense against any such claim or action shall be born equally by the two parties hereto.

## 13 Credit sharing and intellectual property rights:

- 1.1 All the work covered under the MoU will be joint intellectual property of the two organizations and as per their initiative will be given first or second position in credits.
- 1.2 The new crop varieties produced under the MoU will carry names of both the organizations: starting with 'T' for Trombay for the material developed where the initiative is from B.A.R.C. and name of the newly developed variety will begin with 'R' for material where the initiative is from RVSKVV.
- 1.3 The mutants/ selections advanced during the MoU period will also follow the same nomenclature system in the event of getting released after the period of MoU.
- 1.4 Patents coming out of the MoU will be joint property of both the sides.
- 1.5 Data produced under the MoU will be joint intellectual property of BARC and RVSKVV and the publication's authorship sequence will be as per their contribution.

## 14. MoU AND ITS AMENDMENTS

This MoU shall be the sole repository of the terms and conditions agreed to between the parties and no amendment thereof shall take effect or be binding on BARC and RVSKVV unless such amendment is authorised by them and is recorded in writing and signed by the duly authorised representatives of BARC and RVSKVV.

## 15. ASSIGNMENT

This MoU shall not be assignable by either party without the prior written consent of the other except that this agreement shall be automatically binding upon and inure to the benefit of any successor of either party.

## 16. TERMINATION

In case it is found by the two parties that the desired objectives cannot be achieved due to any reason(s) whatsoever, this MoU will be treated as terminated by a mutually agreed procedure without any liability on either of the party.

## 17. FORCE MAJEURE

Neither party shall be held responsible for non-fulfilment of their respective obligation under this agreement due to the exigency of one or more of the force majeure events such as, but not limited to Acts of God, War, Flood, Earthquakes, Strike(s), Lockout(s), Epidemics, Riots, Civil commotion etc. provided on occurrence and cessation of such events, the party affected by these shall give a notice in writing to the other party within one month of such occurrence

and cessation. If the majeure conditions continue beyond six months, the parties shall then mutually decide about the future course of action.

**18. ARBITRATION**

If any dispute arises between the two parties to this MoU regarding implementation of the terms of the MoU or any other matter incidental to or connected with the subject matter of the MoU, such dispute shall be resolved as far as possible amicably by mutual consultations, failing which, a reference may be made by either party to the machinery of arbitrators, Secretary, Legal Affairs, Government of India as a measure of last resort, as per the latest Government Instructions in this regard. The decision shall bind the parties finally and conclusively and the parties will share equally the cost of arbitration as intimated by the arbitrator.

In witness whereof the parties hereto have executed this MoU through their authorized representatives.

FOR AND ON BEHALF OF

FOR AND ON BEHALF OF

BHABHA ATOMIC RESEARCH CENTRE

RAJMATA VIJAYARAJE SCINDIA  
KRISHI VISHWA VIDYALAYA,  
GWALIOR

Signature.....

Signature.....

Name.....

Name.....

Designation.....

Designation.....

Place .....  
Date .....

Place.....  
Date .....

Witness:

Witness:

1.....  
2.....

1.....  
2.....

### Appendix-I

Work plan and budget allocation (Rupees in Lakhs)

Activity	1 <sup>st</sup> year (2019- 20)	2 <sup>nd</sup> year (2020- 21)	3 <sup>rd</sup> year (2021- 22)	4 <sup>th</sup> year (2022- 23)	5 <sup>th</sup> year (2023- 24)	Total budget
i) Field evaluation of Trombay Mutants/selections which are subject of R&D at BARC including pulses oilseeds. and cereals etc. at RVSKVV, Gwalior	5.0	5.0	5.0	5.0	5.0	25.0
ii) Maintenance and breeder seed production of BARC crop varieties	3.0	3.0	3.0	3.0	3.0	15.0
iii) Providing field and laboratory facilities for growing and multiplication of hybridized segregating and irradiated population	2.0	2.0	2.0	2.0	2.0	10
<b>Total</b>	<b>10.0</b>	<b>10.0</b>	<b>10.0</b>	<b>10.0</b>	<b>10.0</b>	<b>50.0</b>

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# Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya

Near Mela Ground, Raja Pancham Singh Marg, Gwalior (M.P.) - 474 002

Director Research Services

Ph. No. 0751-2970509, 2970510

Email- drsrsvskv@rediffmail.com.

drs@rsvskv.net

No. DRS S.T./2020-21/1114

Revised

Date: - 20-09-2021

Review meeting of the BISA/BARC Project on 21 September 2021 at 02:30PM

Through : Video Conferencing (Google meet)

- Chairman - Prof. S.K. Rao, Hon'ble Vice Chancellor  
 Co-Chairman - Dr. M.P. Jain, Director Research Services  
 Programme Conducted - Dr. H.P. Singh, Deputy Director Research  
 Rapporteur - Dr. Sushma Tiwari, Dr. Sudhanshu Jain & Dr. S.C. Shrivastav

### Programme Schedule

- 02:30 - Welcome and Introductory Remarks:- Dr. S.S. Tomar, ADR  
 02:35 - Address BARC Scientists  
 02:40 - Chairman Address, Prof. S.K. Rao, Hon'ble Vice Chancellor

### Presentation by project Incharge

	Name of the Project	Place	Name of the PI
<b>BISA Projects</b>			
02:50	Wheat trail	Gwalior, Indore, Sehore, Khandwa, Bhind, Morena, Sheopur & Ujjain	Dr Sushma Tiwari
<b>BARC Projects</b>			
03:00	Evaluation of Trombay Groundnut (TS) Genotype	Gwalior, Shivpuri, Ujjain & Mandsaur	Dr R S Sikarwar
	Field and laboratory facilities for Groundnut	Gwalior	Dr Sushma Tiwari
03:10	Evaluation of Trombay Sesame (TS) Genotype	Gwalior, Shivpuri, Morena & Aron (Guna)	Dr R S Sikarwar
03:20	Biological Management of Chickpea root rot wilt complex Field and laboratory facilities	Indore	Dr R K Singh
03:30	Screening of M1 generation of pea variety for early maturity	Gwalior	Dr Sudhanshu Jain
03:40	Evaluation of new mungbean selections	Sehore, Indore, Gwalior, Khandwa, Jhabua & Badwani	Dr Lekha Ram
03:50	Evaluation of new blackgram selections		
04:00	Maintenance breeding for Moong & Urdbean Field and laboratory facilities	Sehore	Dr Lekha Ram
04:10	Screening of M5 population in chickpea for temperature tolerance Screening of M2 population in chickpea for temperature tolerance Confirmation of screened lines for temperature tolerance Confirmation of selected lines for temperature tolerance Maintenance breeding for Chickpea Field and laboratory facilities	Sehore	Dr M Yasin
04:20	Mutation in pigeonpea Maintenance breeding for Pigeonpea Field and laboratory facilities	Sehore	Dr Ashok Saxena





DIRECTORATE OF RESEARCH SERVICES  
Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya  
Near Mela Ground, Raja Pancham Singh Marg, Gwalior (M.P.) - 474 002

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Email: drsr@rvskvv@rediffmail.com,  
drsr@rvskvv.net

Director Research Services

04:30	Screening of M2 generation of Kalimooch rice varieties	ARS, Bagwai (Gwalior)	Dr. Janmejy Sharma Dr. Sushma Tiwari
04:40	Assessment of yield performance in Mustard genotype	ZARS, Morena	Dr. Jagendra Singh
04:50	Field evaluation of bio pesticide formulation based on Bacillus thuringiensis subsp. Kenyee (Bt kenyae) against lepidopteran insects pests on chickpea	KVK, Morena	Dr. M.L. Sharma Dr. Swati Singh
05:10	Views of V.V. authorities		
05:20	Views of BARC Scientists		
05:30	Concluding remarks by Hon'ble Vice Chancellor		
	Vote of thanks by Dr. H.P. Singh, DDR, RVSKVV, Gwalior		

No./DRS /S.T./2020-21/ 1115

Cc. for information to

1. Dean Faculty of Agriculture, RVSKVV, Gwalior.
2. Director Extension Services, RVSKVV, Gwalior.
3. All Dean, College of Agriculture/Horticulture, Gwalior, Sehore, Indore, Khandwa and Mandsaur
4. Associate Director Research, ZARS, Jhabua, Khargone, Morena
5. Sr. Scientist & Head, KVK.....
6. Person Concerned
7. P.S. to Hon'ble Vice Chancellor, RVSKVV, Gwalior.

Director Research Services  
Date: - 20/09/2021

Director Research Services



**DIRECTORATE OF RESEARCH SERVICES**  
**Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya,**  
2<sup>nd</sup> Floor, Administrative Block, Rajaram Singh Marg, Gwalior 474 002 M.P.  
(An ISO 9001:2008 Certified Organization No. 67934/A/0001/U/K/En)

Dr. B.S. Sharma  
Director, Research Services

Dr. B.S. Sharma  
Director, Research Services

No./DRS/TO/2022/ 592

Date: 02-06-2022

To,


All Incharge,  
BISA/BARC/RKVY Projects, RVSKVV, Gwalior.

**Subject: Virtual meeting of BISA/BARC/RKVY Projects for review of progress during 2021-22 and planning for 2022-23 on June 07, 2022 at 10:00 AM. (through google meet)**

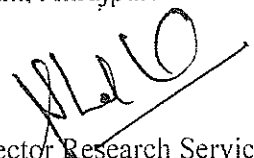
A review and planning meeting of of the BISA/BARC/RKVY Projects is scheduled to be held on June 07, 2022 at 10:00 AM through google meet under the Chairmanship of Hon'ble Vice Chancellor. You are therefore, requested to attend the meeting with power point presentation (PPT) of the physical and financial progress of the BISA/BARC/RKVY Projects for the period 2021-22 with action plan of 2022-23 in the attached format on scheduled date and time and send the same to this directorate. The Programme schedule & meeting link is attached herewith.

No. DRS/TO/2022/ 593  
CC for favour of information:-

1. The DFA/DI/DES, RVSKVV, Gwalior
2. The Dean, College of Agriculture/Horticulture, Gwalior, Indore, Sehore, Khandwa/Mandsaur.
3. The Associate Director Research, ZARS. Morena/Jhabua/Khargone.
4. Incharge, SARS, Bagwai.
5. Sr. Scientist & Head KVK, Shivpuri, Dhar, Aron (Guna), Jhabua, Badwani, Alirajpur.
6. Dr. G.K. Sharma, Asst Professor/Scientist, DRS, RVSKVV, Gwalior.
7. P.S. to the Hon'ble Vice Chancellor, RVSKVV, Gwalior.

  
Director Research Services

Dated: 02-06-2022

  
Director Research Services



# DIRECTORATE OF RESEARCH SERVICES

## Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya,

2<sup>nd</sup> Floor, Administrative Block, Raja Pancham Singh Marg, Gwalior(MP)- 474002

Dr. S.K. Sharma  
Director Research Services

Ph.No.0751-2970509  
Email-drs@rvskvv.net

No./DRS/TO/2022/ 590

Date: 02-06-2022

**Virtual meeting of BISA/BARC/RKVY Projects for review of progress during 2021-22  
and planning for 2022-23 on June 07, 2022 at 10:00 am**

Through : Video Conferencing{Google meet}

Time: 10:00 AM

- Chairman** - Prof. S.K. Rao, Hon'ble Vice Chancellor  
**Co-Chairman** - Dr. S.K. Sharma, Director Research Services  
**Program Conduction** - Dr. G.K. Sharma, Asst. Professor/Scientist  
**Rapporteur** - Dr. Sushma Tiwari, Dr. Sudhanshu Jain

Program Schedule

- 10:00 - Welcome and Introductory Remarks- Dr. S.K. Sharma, DRS  
 10:05 - Chairman Address – Prof. S.K. Rao, Hon'ble Vice-Chancellor

**Presentation by project Incharge**

	Name of the Project	Place	Name of the PI
<b>BISA Projects</b>			
✓ 10:10 am	Wheat trail	Gwalior, Indore, Sehore, Khandwa, Bhind, Morena, Sheopur & Ujjain	Dr Sushma Tiwari
<b>BARC Projects</b>			
✓ 10:20 am	Evaluation of Trombay Groundnut (TS) Genotype	Gwalior, Shivpuri, Ujjain & Mandsaur	Dr R S Sikarwar
	Field and laboratory facilities for Groundnut	Gwalior	Dr. Sushma Tiwari
10:30 am	Evaluation of Trombay Sesame (TS) Genotype	Gwalior, Shivpuri, Morena & Aron (Guna)	Dr R S Sikarwar
✓ 10:40 am	<ul style="list-style-type: none"> <li>• Biological Management of Chickpea root rot wilt complex</li> <li>• Field and laboratory facilities</li> </ul>	Indore	Dr R K Singh
10:50 am	Screening of M1 generation of pea variety for early maturity	Gwalior	Dr Sudhanshu Jain
11:00 am	Evaluation of new mungbean selections	Sehore, Indore, Gwalior, Khandwa, Jhabua, Badwani, Alirajpur & Shivpuri	Dr Lekha Ram
11:10 am	Evaluation of new blackgram selections		
11:20 am	Maintenance breeding for Moong & Urdbean Field and laboratory facilities	Sehore	Dr Lekha Ram
11:30 am	<ul style="list-style-type: none"> <li>• Screening of M5 population in chickpea for temperature tolerance</li> <li>• Screening of M2 population in chickpea for temperature tolerance</li> <li>• Confirmation of screened lines for temperature</li> <li>• Confirmation of selected lines for temperature tolerance</li> <li>• Maintenance breeding for Chickpea</li> <li>• Field and laboratory facilities</li> </ul>	Sehore	Dr M Yasin
11:40 am	<ul style="list-style-type: none"> <li>• Mutation in pigeonpea</li> <li>• Maintenance breeding for Pigeonpea</li> <li>• Field and laboratory facilities</li> </ul>	Sehore	Dr. Ashok Saxena
11:50 am	Screening of M2 generation of Kalimooch rice varieties	SARS, Bagwai (Gwalior)	Dr. Janmejay Sharma Dr. Sushma Tiwari

12:00 pm	Assessment of yield performance in Mustard genotype	ZARS, Morena	Dr. Jagendra Singh
12:10 pm	Field evaluation of bio pesticide formulation based on Bacillus thuringiensis subsp. Kenyee (Bt kenyae) against lepidopteran insects pests on chickpea.	KVK, Morena	Dr. M.L. Sharma Dr. Swati Singh
<b>RKVY Projects</b>			
12:20 pm	RKVY Projects	CoA, Gwalior	Dr. Amita Sharma
12:30 pm	Establishment of Modal Nursery under RVSKVV	CoH, Mandsaur	Dr. Nitin Soni
12:40 pm	Views of V.V. authorities		
12:50 pm	Concluding remarks by Hon'ble Vice Chancellor		
01:00 pm	Vote of thanks by Dr. Sushma Tiwari.		

*[Signature]*  
Director, Research Services

Date: 02-06-2022

No./DRS/TO/2022/ 591

Cc. for information to-

1. DFA/DI/DES, RVSKVV, Gwalior.
2. Dean, College of Agriculture/Horticulture, Gwalior. Indore, Sehore, Khandwa/Mandsaur.
3. ADR, ZARS, Morena/Jhabua/Khargone.
4. I/c, SARS, Bagwai.
5. Sr. Scientist & Head, KVK, Shivpuri, Dhar, Aron (Guna), Jhabua, Badwani, Alirajpur.
6. Dr. Sudhanshu Jain, Senior Technical Officer, RVSKVV, Gwalior.
7. Dr. G.K. Sharma, Asst. Professor/Scientist, RVSKVV, Gwalior.
8. Dr. Sushma Tiwari, Scientist, College of Agriculture, Gwalior.
9. Person concerned.....
10. Ps to Hon'ble Vice Chancellor, RVSKVV, Gwalior.

*[Signature]*  
Director, Research Services

**DIRECTORATE OF RESEARCH SERVICES**  
**Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya,**  
 2<sup>nd</sup> Floor, Administrative Block, Raja Pancham Singh Marg, Gwalior-474 002 M.P.  
 (AN ISO 9001:2008 Certified Organization No. 67924/A/0001) K. (In)

**Dr. Sanjay Kumar Sharma**  
 Director Research Services

Ph. No. 0751-2970509 (Tele-Fax)  
 Email: [drs@rvskvv.net](mailto:drs@rvskvv.net)

No.DRS/BARC/2024/2715

Date: 16-02-2024

**Review meeting of BARC Project February 19, 2024**

Through : Video Conferencing {Google meet}

Time: 11:00 AM

- Chairman - Dr. Arvind Kumar Shukla, Hon'ble Vice Chancellor  
 Co- Chairman - Dr. Sanjay Kumar Sharma, Directorate of Research Services  
 Programme - Dr. Ekta Joshi, Scientist, DRS, RVSKVV, Gwalior  
 Conduction  
 Rapporteur - Dr. Sudhanshu Jain, STO, RVSKVV, Gwalior

**Programme Schedule**

- 11:00 AM - Dignitaries/officers/ PI, CoPI  
 Should available for video link connectivity  
 11:10 AM - Welcome & Introductory Remark:- Dr. Sanjay Sharma, DRS, RVSKVV,  
 11:20 AM - Chairman Address - Dr. Arvind Kumar Shukla, Hon'ble Vice Chancellor

**Presentation by project Incharge**

S. No.	Name of the Project	Place	Name of the PI
11:30 - 11:50	Evaluation of Trombay Groundnut (TS) Genotype/	Gwalior, Shivpuri, Dhar & Mandsaur	Dr R S Sikarwar
11:50 - 12:10	Evaluation of Trombay Sesame (TS) Genotype	Gwalior, Shivpuri, Morena & Aron (Guna)	Dr R S Sikarwar
12:10 - 12:30	<ul style="list-style-type: none"> <li>Biological Management of Chickpea root rot wilt complex</li> <li>Field and laboratory facilities</li> </ul>	Indore	Dr R K Singh
12:30 - 12:50	Evaluation of new mungbean selections	Sehore, Indore, Gwalior, Khandwa, Jhabua, Badwani, Alirajpur & Shivpuri	Dr Lekha Ram
12:50 - 01:10	Evaluation of new blackgram selections		
01:10 - 01:30	Maintenance breeding for Moong & Urdbean Field and laboratory facilities	Sehore	Dr Lekha Ram
<b>1:30 to 2:30 lunch</b>			
02:30 - 0 2:50	<ul style="list-style-type: none"> <li>Screening of M5 population for temperature tolerance</li> <li>Screening of M2 population for temperature tolerance</li> <li>Confirmation of screened lines for temperature</li> <li>Confirmation of selected lines for temperature tolerance</li> <li>Maintenance breeding for Chickpea</li> <li>Field and laboratory facilities</li> </ul>	Sehore	Dr M Yasin
02:50 - 0 3:10	<ul style="list-style-type: none"> <li>Mutation in pigeonpea</li> <li>Maintenance breeding for Pigeonpea</li> <li>Field and laboratory facilities</li> </ul>	Sehore	Dr. Nishant Bhanu
03:10 - 03:30	Screening of M2 generation of Kalimooch rice varieties	ARS, Bagwai (Gwalior)	Dr. R. S.Sikarwar
03:30 - 03:50	Field and laboratory facilities for Genotypes Screening of Wheat Population for irrigated and Rainfed condition	Gwalior	Dr Sushma Tiwari

**DIRECTORATE OF RESEARCH SERVICES**  
Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya,  
2<sup>nd</sup> Floor, Administrative Block, Raja Pancham Singh Marg, Gwalior 474 002 M.P.  
(An ISO 9001:2008 Certified Organization No. 67934/A/0001/UK/En)

Dr. Sanjay Kumar Sharma  
Director Research Services


Ph. No. 0751-2970509 (Tele-Fax)  
Email: [drs@rvskvv.net](mailto:drs@rvskvv.net)


03:50 – 04:10	Assessment of yield performance in mustard genotype	ZARS, Morena	Dr. Jagendra Singh
04:10 – 04:30	Field experiment of biopesticide formulation based on Bacillus thuringiensis subsp. Kenyae (Bt kenuae) against lepidopteran insect pests on Chickpea	KVK, Morena	Dr. M.L. Sharma/ Dr. Swati Singh Tomar
04:30 – 04:45	Views of V.V. Authorities		
04:45 – 05:00	Views of BARC Scientists		
05:00 – 05:20	Concluding remarks by Hon'ble Vice Chancellor		
05:20	Vote of Thanks by Dr. Ekta Joshi, Scientist, DRS, RVSKVV		

End. No./ DRS/ST/20224/2720

CC for information and necessary action to:

1. The Dean Faculty of Agriculture, R.V.S.K.V.V., Gwalior.
2. Director Extension Services, RVSKVV, Gwalior
3. All Deans, College of Agriculture/Horticulture, Gwalior, Sehore, Indore, Khandwa, Mandsaur
4. Associate Director Research, ZARS, Jhabua, Khargone, Morena
5. Sr. Scientist & Head, KVK,.....
6. Person Concerned.....
7. The P.S. to Hon'ble Vice Chancellor, R.V.S.K.V.V., Gwalior.

  
Director Research Services  
Date: 16-02-2024

  
Director Research Services

OK



## Memorandum of Understanding

कॉन्फेडरेशन ऑफ ऑल इंडिया ट्रेडर्स

एवं

राजमाता विजयाराजे सिंधिया कृषि विश्वविद्यालय, ग्वालियर के मध्य

कॉन्फेडरेशन ऑफ ऑल इंडिया ट्रेडर्स (CAIT) एवं राजमाता विजयाराजे कृषि विश्वविद्यालय, ग्वालियर के मध्य निम्नलिखित बिन्दुओं पर आपसी सहमति के आधार पर कार्य करने के लिए आज दिनांक 19-10-2019 को एक MOU पर हस्ताक्षर किये गये।

CAIT देश के व्यापारियों के हितों को कार्य करने वाली राष्ट्रीय स्तर की शीर्षस्थ संस्थाओं में से एक है, जो ट्रेडिंग समुदाय को सर्वोत्तम सहायता प्रदान करने के साथ व्यापारियों की वैध शिकायतों के निवारण के लिए संबंधित प्रशासन के बीच कार्य करती है। व्यापारिक समुदाय से संबंधित मुद्दों पर नवीनतम जानकारी देने के लिए सेमिनार, सम्मेलन और व्याख्यान का आयोजन करना एवं उन्हें जानकारी देने का कार्य करती है।


RVSKVV, Gwalior की स्थापना 19 अगस्त 2008 को म.प्र. शासन के अध्यादेश द्वारा हुई थी प्रदेश में कृषि शिक्षा, कृषि अनुसंधान एवं विस्तार के क्षेत्र में सुधार को बढ़ावा देने के उद्देश्य से इस विश्वविद्यालय की स्थापना की गई थी। इन 10 वर्षों में विश्वविद्यालय ने अभूतपूर्व प्रगति की है, जिससे प्रदेश के किसान लाभान्वित हो रहे हैं।


दोनों पक्षों द्वारा विचार-विमर्श के बाद स्वरोजगार एवं व्यापार के क्षेत्र में विद्यार्थियों को बढ़ावा देने के उद्देश्य से निम्न बिन्दुओं पर सहमति प्रदान की गई।

1. कॉन्फेडरेशन ऑफ ऑल इंडिया ट्रेडर्स (कैट) मध्यप्रदेश, राजमाता विजयाराजे सिंधिया कृषि विश्वविद्यालय, ग्वालियर के साथ मिलकर के छात्र-छात्राओं को स्टार्टअप खड़ा करने में मदद विश्वविद्यालय करेगा उन्हें नोलेज, केन्द्र एवं राज्य सरकार की योजनाओं का लाभ, वित्तीय सहयोग दिलाने में मदद करेगा। इसके लिए समय-समय पर सेमिनार, स्टार्टअप समिट आयोजित किये जायेंगे। जिसमें मध्यप्रदेश के निवेशकों युवाओं उद्यमियों को आमंत्रित किया जायेगा ताकि वे कृषि के क्षेत्र में उद्योग एवं व्यापार स्थापित कर सकें एवं कृषि विश्वविद्यालय के छात्रों की शिक्षा को लेकर नये उद्योग व्यापार की संभावनाओं को तलाशें और उन्हें आगे बढ़ायें।

2. कॉन्फेडरेशन ऑफ ऑल इंडिया ट्रेडर्स (कैट) मध्यप्रदेश कृषि मंत्रालय भारत सरकार से एवं कृषि मंत्रालय मध्यप्रदेश सरकार से समन्वय स्थापित करके विश्वविद्यालय के विकास हेतु केन्द्र और राज्य सरकार की योजनाओं को लाने में मदद करेगा सिके लिए फोलोअप करेगा एवं राष्ट्रीय राज्य स्तर पर अपने प्रयासों से विश्वविद्यालय के चहुँमुखी विकास के लिए कार्य करेगा।
3. कॉन्फेडरेशन ऑफ ऑल इंडिया ट्रेडर्स (कैट) मध्यप्रदेश कृषि विश्वविद्यालय के साथ मिलकर ग्वालियर अंचल के जो गांव विश्वविद्यालय चयनित करेगा उन गांवों में स्वरोजगार के माध्यम उपलब्ध कराने में सहयोगी रहेगा।
4. कॉन्फेडरेशन ऑफ ऑल इंडिया ट्रेडर्स (कैट) मध्यप्रदेश, राजमाता विजयाराजे सिंधिया कृषि विश्वविद्यालय, ग्वालियर एवं अटल बिहारी वाजपेयी सूचना प्रौद्योगिकी एवं प्रबंध संस्थान के साथ मिलकर 1000 कृषकों का जो प्रोजेक्ट डिजाइन कर रहे हैं उसमें सहभागी रहेगा एवं CSC, HDFC स्मार्ट कार्ड में सहयोग के साथ जिन संस्थानों से कैट का अनुबंध है। उन संस्थानों को भी इस महत्वपूर्ण प्रोजेक्ट में सम्मिलित करेगा।

उपरोक्त बिन्दुओं पर कॉन्फेडरेशन ऑफ ऑल इंडिया ट्रेडर्स (कैट) मध्यप्रदेश, राजमाता विजयाराजे सिंधिया कृषि विश्वविद्यालय के प्रतिनिधियों ने अपनी सहमति व्यक्त की।

  
 प्रतिनिधि  
 कॉन्फेडरेशन ऑफ ऑल इंडिया  
 ट्रेडर्स एसोसिएशन

  
 प्रतिनिधि  
 राजमाता विजयाराजे सिंधिया  
 कृषि विश्वविद्यालय, ग्वालियर  
 Director Research  
 R.V.S.K.V.V., Gwalior (M.P.) 474002





(3)

**DIRECTORATE OF RESEARCH SERVICES**  
**Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya,**  
Raja Pancham Singh Marg, Gwalior (M.P.) - 474 002

**Dr. M.P.Jain**  
Director Research Services

Ph. No. 0751-2970509 (Tele-Fax)  
Email-drsrvskvv@rediffmail.com

No. DRS/TO/2019/ 1533

Dated: 04-10-19

To,  
The Director Instructions,  
RVSKVV, Gwalior,

Sub: Submission of signed copy MoU -reg.

Please find enclosed herewith a copy of signed MoU between RVSKVV & Research Institute for Organic Agriculture (FiBL), Frick, Switzerland for "Collaborative, Teaching, Research and Extension Programme towards organic production" for your kind information and necessary action.

Encl: As above

No. DRS/TO/2019/ 1534  
CC for favour of information to:

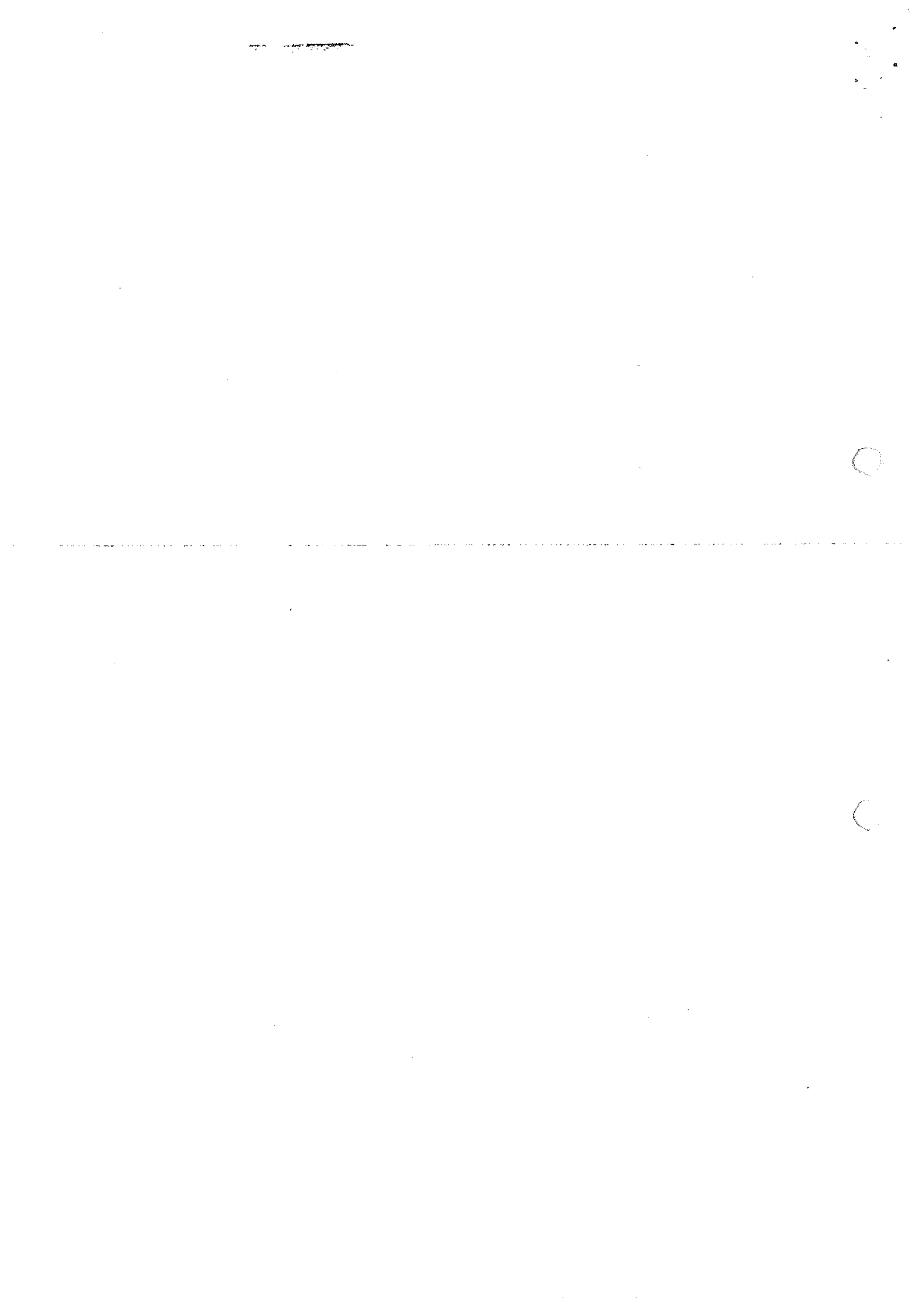
1. The P.S. to Hon'ble Vice Chancellor, R.V.S.K.V.V., Gwalior.

Director Research Services

Dated: 04-10-19

Director Research Services

CM





## Agreement of for the "Seeding the Green Future" Project

BETWEEN

Rajmata Vijayaraje Scindia Krishi Vishwavidyalaya (RVSKVV), Gwalior University, Race Course Road, Near Mela Grounds, Gwalior, Madhya Pradesh 474002, INDIA, further referred to as "Gwalior University" legally represented in this matter by Dr. B.S. Baghel, Director Research Services – Gwalior University

AND

Research Institute for Organic agriculture (FiBL), Ackerstrasse 113, Box 219, 5070 Frick, Switzerland, further referred to as "FiBL" legally represented in this matter by Dr. Amritbir Riar, Project Leader

Concerning the implementation of the project Seeding the Green Future - Participatory Cotton Breeding for Organic Farming & Securing Genetic Diversity of non-GM Cotton according to the project proposal submitted by FiBL to the Mercator Foundation Switzerland and Organic Cotton Accelerator (OCA) Switzerland in 2017.

### The Parties

The Research Institute of Organic Agriculture (FiBL) is a private foundation aiming at establishing practice-oriented agronomic and economic research in organic farming, including plant breeding. FiBL has about 150 staff and is one of the world's leading R&D and technology transfer centers dedicated to sustainable, organic and low-input agriculture. FiBL focuses on applied soil and crop science, socio-economic and animal science and the dissemination of scientific findings to farmers, policy makers and other stakeholders in the food supply chain. The close links between R&D and technology transfer is a particular strength of FiBL. FiBL is/was coordinator/partner in over 25 scientific projects of the European Research framework. FiBL's Plant Breeding focuses focus on plant soil/microbe interaction aiming for breeding for improved adaptation and symbiosis, on genotype x management interaction (cropping systems, fertilizer levels), participatory breeding approaches (cotton breeding), optimizing genotype and management simultaneously (breeding for mixed cropping systems) and networking. FiBL is collaborating closely with private and public breeders farmers, label organisations and policy makers. Breeding activities are complemented by on farm cultivar trials and the development of marketing concepts involving different stakeholders. FiBL has long been committed to the international development of organic agriculture. Alongside practical research, high priority is given to transferring knowledge into agricultural practice through advisory work, training courses and expert reports as well as various modern methods of documentation. Since 2002, FiBL is conducting research on cotton in India and also in West Africa. FiBL has close collaboration with various scientific groups in India in the scope of the Indo-Swiss-Collaboration for Biotechnology since almost 15 years and is conducting long term research in collaboration with bioRe since 2007. The participatory cotton breeding work in collaboration with Prof Patil is running since 2011.

### Gwalior University

The Rajmata Vijayaraje Scindia Krishi Vishwavidyalaya Gwalior was established by Government of Madhya Pradesh Vide Ordinance No. 4 of 2008 notified in the Extraordinary Gazette No. 507 dated

Research Institute of Organic Agriculture FiBL - Ackerstrasse 113 | Postfach 219  
5070 Frick | Switzerland | Phone +41 62 845 22 21 | info.suisse@fibl.org | www.fibl.org

# FiBL

19th August 2008 as second Agricultural University by bifurcating the JNKVV, Jabalpur. As per RVSKVV act (No. 4, year 2009) the horticulture and veterinary science & animal husbandry. The research activities are operated through five Zonal Agricultural Research Stations (Morena, Khargone, Jhabua, Indore and Sehore); four Regional Agricultural Research Stations (Gwalior, Mandsaur, Ujjain and Khandwa) and 4 special research stations (Entkhedi, Bagwai, Jaora and Badwah) having 22 All India Coordinated Research Projects and several adhoc projects to enhance the productivity and profitability of agriculture system. Transfer of technology is the part of extension activities carried out by 19 Krishi Vigyan Kendras.

## Scope of Agreement

FiBL and Gwalior University will cooperate in the implementation of the Seeding the Green Future project, in accordance with the project description, the approved budget and, where applicable, additional agreements and documents. The project milestones (Annex I) and approved budget (Annex II) form part of this agreement.

Subject to the provisions for termination set forth below, this agreement is for the duration of 3 years (2019-2022) subjected to availability of funds. Milestones and budget will be revised each year accordingly.

The above-mentioned partners agree to work together with the aim to improve the availability of high-quality seed of adapted non-GM cultivars of cotton for the benefit of small holder farmers in India. In a participatory approach involving farmers and the entire value chain, organic GM-free seeds and improved cotton cultivars are developed that show a high degree of adaptability to the local growing conditions and increase the genetic diversity. An important goal of the project is the conservation and use of genetic diversity, especially the local robust Desi cotton types. In this trans-disciplinary project researchers growers crop consultants farmers, representatives of the textile industry will work closely with each other to ensure a rapid practical application of the learning s from this project. The aim is to enhance the collaboration among the various stakeholders and to facilitate local capacity building together with farmers in the short term to establish the local seed supply for organic cotton and in the medium term to restore and to improve yields (especially the yield security) and the fibre quality under organic and low input farming and to promote seed sovereignty of smallholder farmers.

The Seeding the Green Future Project is anticipated for three phases (01 January 2017 - 01 April 2026); the first phase (2017-2018), and a second phase (2018-2022) and third phase each for 4 years is foreseen Phase one is completed, phase two is approved however phase three is not yet approved.

The above-mentioned partners agree to collaborate in the Seeding the Green Future project to the benefit of smallholder farmers. Additional organic farmers organizations, breeders and stakeholders of the cotton chain are encouraged to participate in the Seeding the Green Future project if they have own funding. Project results will be disseminated to the organic cotton sector and promising breeding lines will be exchanged with interesting organic growers' organisation for testing under their local conditions.

## Role of Partners:

Project Manager and Principal investigator for FiBL will be Dr. Amritbir Riar. Dr. Monika Messmer group leader of organic plant breeding at FiBL will provide scientific support. Dr. Tanay Joshi Country coordinator will be responsible for coordination and monitoring of this project.

MW

# FiBL

Specific tasks and responsibilities of FiBL are as follows:

- Overall project coordination, planning, scientific guidance and coordinated implementation of the project in mutual agreement with the Indian partners.
- Monitoring and controlling of the project progress.
- Technical and financial reporting to the funding agency.
- Defining experimental procedures, research layout, organising scientific workshops.
- Leading activities foreseen for support in participatory breeding approaches statistical analysis of data and for communication among partners and supports local capacity building of research staff.
- Coordinating dissemination activities related to Seeding the Green Future project, and fund raising for phase III.

Gwalior University will be responsible for the proper and timely implementation of on station and on farm field trials in accordance with project needs under different growing conditions, training of small holder farmers, organisation of workshops and field days for farmers. Segregating material provided by various source will be selected for the participatory development of new varietal lines. Selection will be jointly done with farmers. Gwalior University is responsible for capacity building and improvement of seed sovereignty of small holder farmers with emphasis on female farmers. Gwalior University will be responsible for reporting of activities and results and financial record keeping in India.

\*Specific tasks and responsibilities of Gwalior University are as follows:

- List of 30 promising cotton cultivar and breeding lines based on past experience.
- 20 crosses of Desi and American cultivars
- Total of 1 On-station trials with at least 15 or more cultivars tested to be free of GMO and fiber length (>28mm); at least 5 *G. arboreum* lines and 5 *G. hirsutum* lines at one site with most prevalent growing conditions (black soil, sandy soil, irrigation, rainfed) tested in two replications with detailed assessment of agronomic and fiber parameters.
- At least 20 F1 hybrids / crosses forwarded to obtain at least 200 F2 seed per population.
- At least 20 F2 populations forwarded to F3 generations.
- At least 20 F3 populations forwarded to F4 generations.
- At least 20 F4 populations forwarded to F5 generations.
- At least 10 populations of advanced generations (F5-F8) selected under organic conditions (seed of at least 10 selected plants out of minimum 200 plants per population from own breeding material or obtained from other partners).
- Seed multiplication of 5 promising cotton cultivars for next season (2020).
- At least 1 workshop/training for small scale farmers in (i) varietal evaluation, (ii) individual plant selection, (iii) crossings = hybrid seed preparation.

Both partners will be responsible for networking and promoting the project.

*\*All the above-mentioned tasks and responsibilities are minimum requirements to be fulfilled for SGF 2019-2020. However, partners are encouraged to carry out more no of trials, to avoid failure due to any unforeseen circumstances through the season.*



#### CODE OF ETHICS FOR PLANT GERMPLASM EXCHANGE:

- Plant variety protection and patent mechanisms focus attention on property rights afforded developers/owners of germplasm materials. The purpose of this code is to encourage the continued exchange of plant germplasm by recognizing these rights and by codifying the obligations of persons receiving unreleased plant germplasm. The partners, therefore, agree to support the following principles:
  - Owners, as well as originating breeders (owner/breeder of the parental lines or the breeder who developed the novel hybrid), stations, companies or farmer organisations have property rights to unreleased plant germplasm such as pure lines, early generation lines or populations, bulk populations, breeding stocks, or genetic stocks. These rights are not waived with the distribution of seeds or plants of any of these unreleased materials. In this context "released" materials include named cultivars or breeding or genetic stocks described in an official statement of release.
  - The owner/breeder, in distributing seeds of plant materials of unreleased plant germplasm, grants permission for their use (1) in trials under the recipient's control, and (2) as parents for making crosses for use in basic research or for selection leading to the development of cultivars. Use of unreleased germplasm for which written approval from the owner/breeder is required include: selecting from the stock; induction of mutations; insertion of recombinant DNA; production of somatic clones; use in backcrosses for addition of a gene(s) controlling a specific trait; testing at outlying locations; use as parents in commercial F1 hybrids or as components in synthetic or multiline cultivars; or seed increases and release as a cultivar.
  - The recipient of unreleased seeds of plant material shall make no secondary distribution of the germplasm without the permission of the owner/breeder.
  - The recipient of unreleased materials shall take precautions to prevent unauthorized transfer or theft of seed of these materials from field nurseries or seed inventories.
  - The owner/breeder of unreleased plant germplasm stocks may waive, in writing, any of the above restrictions or may impose additional restrictions.
  - Both owner/breeder and recipient of released and unreleased germplasm will take all necessary measures to guarantee GMO-free seed and to avoid any GMO contamination during the breeding and multiplication process.
  - Retention and use of the germplasm accompanying this statement indicates your agreement with the policies set forth in the statement.

#### Ownership of germplasm developed within the scope of the Project Seeding the Green Future

- Released hybrids and varietal lines used in cultivar trials remain property of the original breeder.
- Released hybrids and varietal lines can be used for crosses to develop new cultivars.
- Unreleased breeding material can only be used with allowance of breeding institute or company (see above).
- Selection by farmers based on crosses, segregating populations or breeding lines provided by one breeder is co-owned by both farmers and breeders.

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# FiBL

- Partners can aim for releasing own cultivars or truthfully labelled seed, but in any case access of seed of cultivars developed under Seeding the Green Future must be made available to all organic farmers at reasonable price.

Novel genetic materials and Intellectual Property generated during the participatory breeding process of this Project will be owned by respective Project partners who developed this material. They may decide on their own expense to register and maintain any protection of that IP, including cultivar registration or testing for truthfully labelled seed to allow commercialisation of the seed of such cultivars. However, it is mandatory for all Project partners involved in developing new cultivars to make seed of such cultivars available to all organic cotton farmers in India, not only to their own organisation. This obligation is binding during the time of the project and at least 15 years after the end of the project.

## General agreement among project partners as agreed in Bhopal 26<sup>th</sup> November 2016

The project partners of Seeding the Green Future, i.e. Chetna Organic, Prathiba Syntex, CottonConnect, ASA, Gwalior University, JNKVV Jabulpur, and FiBL agreed to:

- Collaborate to the benefit of the whole consortium
- Exchange information and germplasm to serve spread of seed among organic farmers
- Focus on non-GM desi (*G. arboreum*, *G. herboceum*) cotton and American (*G. hirsutum*) varietal lines
- Open project to further organic cotton associations and breeders with matching funds
- Become active in fund raising to involve further universities and cotton institutes (i) to enlarge source of cotton germplasm and (ii) to include more organic associations in MP and other states to scale up the project

## Incompliance and termination of the agreement

If project partner fails to perform their duties, the contract may be terminated, and the non-breaching party may be able to recover losses caused by the breach under following conditions:

- Fabrication or creation of false data, or research documentation can lead to the termination of contract.
- Falsification, which comprises the inappropriate manipulation and/or selection of data, imagery or consent.
- Plagiarism, which comprises the misappropriation or use of others' ideas, intellectual property or work (written or otherwise) without acknowledgement or permission.
- Misrepresentation of data, duplication of publication, material interests, qualifications or experience, and of involvement in research.
- Non-compliance to the specified guideline/trial protocols, cultivation of mandatory cultivars and checks, layout/design, and timely achieving milestones.

The underlying agreement can be dissolved with or without juridical intervention by one of the signing parties in only one of the following situations:

- If any party fails to comply with the agreement, due to internal or external reasons.
- When fraud or abuse of the funds is observed and ascertained.

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- If and as soon as one of the parties be declared bankrupt.
- If and as soon as one of the parties be granted a moratorium in respect of his debts.

## Applicable law and Jurisdiction

The parties shall strive to settle any dispute arising in an amicable manner. This agreement will be construed under Swiss Law and disputes which cannot be resolved amicably may be brought before the court (Bezirksgericht) in Laufenburg (Canton of Aargau).

This agreement will become valid after FIBL has received a copy of the agreement signed by involved parties. This agreement will replace any previous multilateral or bilateral agreement between project partners with respect to the Seeding the Green Future. The agreement will end after the agreed term indicated at the beginning of this agreement and after FIBL has received reports mentioned in this agreement.

After termination of the project, FIBL shall be entitled to claim back any remaining project funds.

Each party has agreed as above and hereby sign

Place and Date: Gwalior (M.P) India  
03-10-2019

Place and Date: Gwalior (M.P) India  
03-10-2019

Signature: \_\_\_\_\_

Signature: \_\_\_\_\_

~~Dr. B.S. Baghel~~ Dr. M.P. Jain  
Director Research Service  
R.V.S.K.V.V., Gwalior (M.P.) 474002  
Rajmata Vijayaraje Scindia Krishi  
Vishwavidyalaya, Gwalior University

Dr. Amritbir Riar  
Sr. Scientist & Project Leader  
Research Institute of Organic Agriculture  
(FIBL)

Race Course Road, Near Mela Grounds,  
Gwalior, Madhya Pradesh 474 002, INDIA

Ackerstrasse 113  
CH-5070 Frick, Switzerland



## Milestones, Expected outcomes and Indicators of Phase II (January 2018 – March 2022)

The following milestones against timeline will be followed to determine the project progress:

**Table 1: Milestones for “Seeding the Green Future”**

WP	Milestones for Seeding the Green Future after work packages		
<b>WP 1</b>	<b>Coordination of Project Activities, Communication and Networking among Project Partners and Stakeholders</b>	<b>Month</b>	<b>Responsible</b>
M1.1	Detailed project plan for upcoming season is available	04/2018	FiBL
M1.2	Detailed project plan for upcoming season is available	04/2019	FiBL
M1.3	Minutes of the national workshop are available	04/2019	FiBL
M1.4	Operational Annual Report and Financial Report is available	05/2019	FiBL
M1.5	Detailed project plan for upcoming season is available	04/2020	FiBL
M1.6	Operational Annual Report and Financial Report is available	05/2020	FiBL
M1.7	Minutes of the national workshop are available	04/2021	FiBL
M1.8	External assessment of the project is available	05/2021	FiBL
M1.9	Detailed project plan for upcoming season is available	04/2021	FiBL
M1.10	Operational Annual Report and Financial Report is available	05/2021	FiBL
M1.11	Final report and financial report are available	07/2022	FiBL
<b>WP 2</b>	<b>Creating the Genetic Diversity of Desi and American cotton</b>	<b>Month</b>	<b>Responsible</b>
M2.1	Seed list of crossbreeding offspring of Desi cotton is available	04/2019	Gwalior University, Akola University, Pratibha, Chetna
M2.2	Seed list of F1 multiplication of Desi cotton is available	04/2020	Gwalior University, Akola University, Pratibha, Chetna
M2.3	Seed of the selected individual plants of the F2 progeny is available	05/2021	Gwalior University, Akola University, Pratibha, Chetna
<b>WP 3</b>	<b>Participatory selection of early generation Desi and American cotton for adaptation to organic growing conditions in the respective regions)</b>	<b>Month</b>	<b>Responsible</b>
M3.1	Seed of selected <i>G. hirsutum</i> , <i>G. arboreum</i> genotypes is present	05/2019	Pratibha, Gwalior University, Akola University, Chetna
M3.2	Yield and fiber quality data from on-station tests is present	04/2020	Pratibha, Gwalior University, Akola University, Chetna
M3.3	Yield and fiber quality data from on-farm tests is present	04/2021	Pratibha, Gwalior University, Akola University, Chetna

# FiBL

<b>WP 4</b>	<b>Participatory selection of advanced breeding lines and cultivars for adaptation to organic growing conditions in the respective regions</b>	<b>Month</b>	<b>Responsible</b>
M4.1	Seed of selected <i>G. hirsutum</i> , <i>G. arboreum</i> genotypes is present for on-farm trials	05/2019	Pratibha, Gwalior University, Akola University, Chetna
M4.2	Yield and fiber quality data from on-station tests is present for on-farm trials	04/2020	Pratibha, Gwalior University, Akola University, Chetna
M4.3	Yield and fiber quality data from on-farm tests is present for on-farm trials	04/2021	Pratibha, Gwalior University, Akola University, Chetna
<b>WP 5</b>	<b>Capacity building in participatory breeding</b>	<b>Month</b>	<b>Responsible</b>
M5.1	Workshop & Training with small farmers in varietal evaluation carried out	03/2019	Pratibha, CottonConnect, ASA, Chetna, CSA
M5.2	Workshop & Training with small farmers in individual plant selection	03/2019	Pratibha, CottonConnect, ASA, Chetna, CSA
M5.3	Agronomists are trained in practical cotton cultivation	03/2019	Pratibha, CottonConnect, ASA, Chetna, CSA
M5.4	Training of small farmers in seed propagation	04/2019	Pratibha, CottonConnect, ASA, Chetna, CSA
M5.5	Workshop & Training with small farmers in varietal evaluation carried out	03/2020	Pratibha, CottonConnect, ASA, Chetna, CSA, Additional Cotton growers
M5.6	Workshop & Training with small farmers in individual plant selection	03/2020	Pratibha, CottonConnect, ASA, Chetna, CSA, Additional Cotton growers
M5.7	Agronomists are trained in participatory breeding methods	03/2020	Pratibha, CottonConnect, ASA, Chetna, CSA, Additional Cotton growers
M5.8	Workshop & Training with small farmers in varietal evaluation carried out	03/2021	Pratibha, CottonConnect, ASA, Chetna, CSA, Additional Cotton growers
M5.9	Workshop & Training with small farmers in individual plant selection	03/2021	Pratibha, CottonConnect, ASA, Chetna, CSA, Additional Cotton growers
M5.10	Training of small farmers in seed propagation	04/2021	Pratibha, CottonConnect, ASA, Chetna, CSA, Additional Cotton

			growers
<b>WP 6</b>	<b>Dissemination, Knowledge transfer and Fundraising</b>	<b>Month</b>	<b>Responsible</b>
M6.1	Proceedings of Scientific workshop are available	07/2019	FiBL
M6.2	Abstract, presentations from International participation	04/2020	FiBL
M6.3	Proceedings of Scientific workshop are available	09/2021	FiBL
M6.4	Abstract, presentations from International participation	02/2022	FiBL
<b>WP 7</b>	<b>Dissemination and outreach activities in Switzerland and Europe</b>	<b>Month</b>	<b>Responsible</b>
M7.1	Press release on Public event in Switzerland is available	03/2021	FiBL
M7.2	Proceedings of Scientific workshop are available	03/2021	FiBL

*[Handwritten signature]*

Table 2: Budget and Financial Plan for Seeding the Green Future Phase II

<b>Green Cotton Phase II "Seeding the Green Future" Budget Estimate 31 Aug 2017 Cost Center (annual changes reserved)</b>	<b>Budget Season 2019-2020 (in CHF)</b>
Personnel costs including social charges & overhead	6000.00
Material costs	6750.00
Travel expenses	2250.00
<b>Budget Estimate Cost Center</b>	
<b>TOTAL BUDGET (Fifteen thousand Swiss francs)</b>	<b>15'000.00</b>

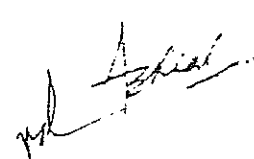
**Please Note:**

\*Allocated budget will come into 2 installments (75% after signing MoU and 25% after final data submission and approval)

\*\*Total budget allocation is segregated for Personal, Material and Travel cost (Annexure II)

\*\*\*Project partners need to provide details sufficient to justify, if the deviation of expenses is more than 15% for any main budget line.

\*\*\*\*Project partners are responsible to submit financial reporting and financial audits against these main budget lines to FiBL.





RAJMATA VIJAYARAJE SCINDIA KRISHI VISHWA VIDYALAYA  
COLLEGE OF AGRICULTURE, GWALIOR (M.P.)  
SYNOPSIS OF THESIS PROBLEM OF POST-GRADUATE STUDENT  
M. Sc. Ag. (Genetics & Plant Breeding)

Name of the Student : Pardeep Beniwal  
Roll No. : 20111606  
Permanent Address : 60, Beniwal Cottage, V.P.O.- Shakar Mandori,  
Tehsil- Nathusari Chopta, Distt.-Sirsa, Haryana  
Year of admission : 2020-2021  
Major Subject : Genetics and Plant Breeding  
Minor Subject : Plant Pathology and Agricultural Entomology  
Major Advisor : Dr. D.K. Srivastava  
Co- Advisor : Dr. Sushma Tiwari  
Title of research problem : "Characterization of elite cotton (*Gossypium arboreum* L. and *Gossypium hirsutum* L.) genotypes with DUS traits and SSR markers under organic condition".

## INTRODUCTION

The quality of any product starts with the quality of the raw materials. Cotton is one of such kind material that controls the quality of the end product. The cultivation of cotton has long been marked by the use of unsustainable methods such as monocropping, extensive irrigation and the use of synthetic fertilizers and pesticides, but there is a change in the trend towards sustainability. Many developmental programmes to promote sustainability in cotton cultivation have been undertaken to protect the livelihood of the farmers and their habitat (Radhakrishnan, 2017). Organic cotton was first planted in the 1980s as an attempt to secure sustainable, ecological, and biodynamic agriculture (C. Yu, 2015). Organic cotton notably promotes and enhances biodiversity and biological cycles. It is also beneficial to human health and the environment.

Cotton belongs to the genus *Gossypium* from the *Malvaceae* family. There are four cultivated species of cotton viz. *Gossypium arboreum* (old world cotton) and *G. herbaceum*, (American cotton) *G. hirsutum* and (Egyptian cotton) *G. barbadense*. World wide area under cotton for the year 2019-20 was 34.49 million hectares and production and productivity accounted for 26.13 million MT and 757.6 kg/hectare respectively (Anonymous, 2020a). In India area under cotton for the year 2019-20 was 13.48 million hectares and production and productivity accounted for 36.5 million bales and 460 kg/hectare respectively (Anonymous, 2020b). In Madhya Pradesh area under cotton for the year 2019-20 was 0.65 million hectares and production and productivity accounted for 2.0 million bales and 523 kg/hectare respectively (Anonymous, 2020c).

Globally, an estimated 222,134 farmers were growing certified organic cotton in 2018-19, spread across 19 countries and 418,935 ha of certified land with overall production of 239,787 MT. India was by far the biggest contributor to the global growth seen in 2018-19, adding 37,138 MT to the global total (Anonymous, 2020d). According to the Ministry of textiles data, presented to Rajya Sabha in February 2022, the production of organic cotton during 2020-21 has been 8,10,934 tonnes. Last five years Madhya Pradesh is in the top for organic cotton production chart with shearing 38% of total cotton production. (Anonymous 2022a).

Descriptors of varieties of crop species are required for characterization of varietal identity, determine varietal purity, and establish the distinctiveness of new variety from existing varieties and documentation of genetic resources. Registration and protection can be granted to a variety only if it confirms to the criteria of Distinctness, Uniformity and Stability. It means that the new variety has to Distinct-Uniform-Stable (DUS) in its characteristics.

DNA fingerprinting is the rapid, easy, and most common method to discriminate, identify and characterize various cultivars to protect Plant Breeder rights (PBRs) and promote marker-assisted breeding (MAB) (Jamil *et al.*, 2021). Genetic profiling recapitulates the biological determination of species as well as traceability of diverse crop samples using the short tandem repeats. Through this Polymerase chain reaction (PCR) based approach, individual plant hybrids/varieties can be identified by acquiring a specific pattern of genetic profiles (Zhang *et al.*, 2013).

Moreover, both International Union for the Protection of new Varieties of Plants (UPOV) and Plant Protection Variety and Farmer's Right (PPV&FR) has encouraged the use of molecular markers in DUS testing for the identification of crop cultivars (UPOV-BMT 2002). Simple Sequence Repeat (SSR/Microsatellites) are proven to be an ideal tool for DUS testing of new varieties because they are high polymorphic, multi-allelic, co-dominant inheritance, high reproducible, abundant and distributed all over the genome and short amplification product and widely used for molecular characterization of genotypes (Jamil *et al.*, 2020). Based on this background information, the present investigation is aimed with following objectives:

**Objectives:**

1. To characterize the morphological traits in cotton advance lines using DUS (PPV&FR) test guide lines.
2. To characterize advance cotton lines using SSR markers.
3. To estimate the genetic parameters of variability for yield and its attributing traits.
4. To study the correlation among traits and measure direct and indirect effects of various traits on seed cotton yield.

**A BRIEF REVIEW OF WORK DONE IN INDIA AND ABROAD:**

*Aruna et al. (2012)* studied characterization of cotton hybrids and their parental lines based on both qualitative and quantitative characters. Leaf size was categorized into small, medium and large. Leaf colour grouped as light green, medium green and

green. Variation in leaf size and colour reveals genetic character of parents. Cause of variation may be variability in soil, cultural, nutritional and environmental factors during the growth and development period of crop.

Yu *et al.* (2012) report a core set of 105 SSR markers with wide genome coverage of at least four evenly distributed markers per chromosome for the 26 tetraploid cotton chromosomes. The results indicated from the study core marker set was robust in revealing DNA polymorphism either between and within species. Average value of polymorphism information content (PIC) among the CMD (Cotton Molecular Database) panel was 0.65.

Pooja *et al.* (2016) studied the varietal characterization of various DUS characters of fifty elite lines of upland cotton. The results showed that maximum variation among the morphological characters studied was present in hypocotyl pigmentation, leaf colour, leaf hairiness, leaf petiole pigmentation, leaf shape, leaf lobe number, leaf size, plant stem hairiness, plant stem pigmentation, plant height (cm), plant growth habit, bract type, bract number of serrations, days to 50 per cent flowering, flower petal colour, flower petal spot, flower stigma position, flower anther filament colouration, boll colour, boll shape (longitudinal section), boll surface, prominence of tip in boll, boll opening, number of locules/boll and seed fuzz density proved to be useful and stable diagnostic characters which could classify the genotypes based on the phenotypic traits.

Li *et al.* (2018) examined upland cotton and utilized 26 chromosomes for core primers selection used for DNA fingerprinting. The 26 markers showed clear band patterns, good repeatability and high polymorphism. The average alleles, gene diversity index and polymorphism information content were 3.12, 0.4312 and 0.3830, respectively. This study provides a molecular basis for assessing identification, authenticity and seed purity of cotton cultivars.

Balakrishnan *et al.* (2020) studied morphological traits plant height (cm), plant growth habit, days to fifty percent flowering (days), boll weight (g) and seed index (100 seed weight in gram) were observed as grouping traits. The results showed that all varieties showed considerable variation in 5 qualitative characters. The characterization of extant varieties was completed to establish distinctness of candidate variety from all other varieties to utilize these genotypes in further identification and improvement.

Santosh *et al.* (2021) evaluated 24 popular Asiatic cotton varieties were profiled using 300 genome-wide SSR markers. Among these 48 were identified as distinctly polymorphic which detected a total of 124 alleles ranging from 2 to 5 alleles per loci with an average of 2.58. The genetic dissimilarity among 24 G. *arboreum* varieties ranged from 0.27 to 0.53 with an average of 0.42 indicating presence of sufficient genetic diversity in Indian *arboreum* varieties. The dissimilarity based unweighted neighbor joining method of clustering grouped them into 6 distinct clusters.

#### **MATERIAL AND METHODS:**

**Technical programme of work:**

**(Including work location, facility available, etc.)**

**(A) Location of experiment:** The experiment will be conducted during Kharif season in the year 2021-22 at the research farm, AICRP (All India Coordinated Research Project) on Cotton, B.M. Collage of Agriculture, Khandwa, R.V.S.K.V.V., Gwalior. The research farm, AICRP on cotton is located at 21°48'30.0"N and 76°23'43.1"E in Khandwa, Madhya Pradesh.

**(B) Facility available:** All necessary facilities are available at AICRP on Cotton, B.M. Collage of Agriculture, Khandwa, R.V.S.K.V.V., Gwalior.

**(C) Details of experiments:**

1. Experimental Crop : Cotton
2. Design : Randomized Block Design
3. Treatments : 12
4. Replications : 03
5. Gross plot size : 3.6 x 6 m<sup>2</sup>
6. Net plot size : 1.8 x 4.8 m<sup>2</sup>
7. Spacing : 90 cm x 60 cm
8. Seed rate : 6-7 Kg ha<sup>-1</sup>
9. Method of sowing : Dibbling
10. Total number of plots : 36

**(D) Details of treatments:** 12 cotton advance lines are mentioned below: -

Sr. No.	Genotypes	Type of Cultivar	Source of Seed
1.	AV-G13	AV	Chetna Organic
2.	AV-G11	AV	Chetna Organic
3.	AV-C14	AV	Chetna Organic
4.	GA-8004	AV	Chetna Organic
5.	GAV-8011	AV	Vasudha Swaraj Private Limited
6.	GAV-8012	AV	Vasudha Swaraj Private Limited
7.	Chetna J1	HV	Vasudha Swaraj Private Limited
8.	Chetna D11	HV	Chetna Organic
9.	Chetna S1	HV	Chetna Organic
10.	BKMP 27	HV	Chetna Organic
11.	GHV-8023	HV	Chetna Organic
12.	GHV-8036	HV	Vasudha Swaraj Private Limited

AV- *Gossypium arboreum* L. variety HV- *Gossypium hirsutum* L. variety

**Molecular Markers-** Highly polymorphic SSR markers from Li *et al.* (2018), Santosh *et al.* (2021), Yu *et al.* (2012), (Jamil *et al.*, 2021), and Santhy *et al.* (2019) will be utilized to determine DNA fingerprinting of 12 advance lines of *Gossypium hirsutum* L. and *Gossypium arboreum* L.

**(E) Observations to be recorded:**



### Morpho-physiological traits

S.No.	Characteristics	S.No.	Characteristics
1	Hypocotyl: Pigmentation	23	Boll: Bearing habit
2	Leaf: Colour	24	Boll: Colour
3	Leaf: Pubescence/ hairiness	25	Boll: Shape (longitudinal section)
4	Leaf appearance	26	Boll: Surface
5	Leaf gossypol glands	27	Boll: Prominence of tip
6	Leaf: Nectaries	28	Boll: Opening
7	Leaf: Petiole pigmentation	29	Boll: Weight of seed cotton/boll (g)
8	Leaf: Shape	30	Number of locules/ boll
9	Plant: Stem hairiness	31	Number of seed/ locule
10	Plant: Stem pigmentation	32	Final Seed cotton yield (g/plant)
11	Plant height (cm)	33	Seed: Fuzz
12	Plant growth habit	34	Seed: Fuzz colour
13	Bract type	35	Seed: Index /Size(100 seed weight in gram)
14	Flower: Time of flowering (50% of plants with at least one open flower)	36	Ginning %
15	Flower: Petal colour	37	Lint index
16	Flower: Petal spot	38	Fibre: Colour
17	Flower: Stigma	39	Fibre: Length (2.5% span length) (mm)
18	Flower: Anther colouration	40	Fibre: Strength (g/tex)
19	Flower: Pollen colour	41	Fibre: Fineness (Micronaire value)
20	Number of monopodia per plant	42	Fibre: Uniformity
21	Number of sympodia per plant	43	Fibre: Maturity (%)
22	Boll: Number of bolls per plant		

### MOLECULAR METHODOLOGY

#### DNA Extraction:

Genomic DNA of all the cotton advance lines will be isolated from 2-3 young healthy leaves collected from field using modified CTAB method (Murray & Thompson, 1980). Leaf sample will be ground to fine paste in DNA extraction buffer (composition: 1M Tris-Cl, pH 8.0, 0.5M EDTA, pH 8.0, 4M NaCl, 10% CTAB,  $\beta$ -mercaptoethanol and Milli-Q water), using mortar and pestle. The DNA will be diluted to a final concentration of 25ng /  $\mu$ l for PCR amplification.

#### PCR Amplification with SSR Markers:

The PCR will be performed in 10  $\mu$ l volume using 30 ng of genomic DNA together with 10 picomole primer (forward and reverse each), 1X PCR buffer, 0.1 U/l of Taq DNA polymerase, and 0.1 mM dNTPs. The amplification will be done in ABI thermal cycler (BioRad, USA). The amplified PCR products will be separated by electrophoresis at 110 V for 1-2 h on a 3.0% agarose gel in 1X TBE buffer. The ethidium bromide (EtBr) will be used for staining the fragments. While running the agarose gel, 100 bp DNA ladder will be used as size reference for amplified fragments.

### **Molecular Analysis:**

The SSR profiles will be scored based on the size of fragments amplified across all groundnut genotypes. The major allele frequency, polymorphism information content and genetic distance based clustering will be performed with Unweighted Pair Group Method for Arithmetic Average (UPGMA) tree using Power Marker v 3.25 & the dendrogram will be constructed using MEGA 4.0 SOFTWARE. The population structure will be inferred using STRUCTURE 2.3.4. The relation between genetic similarity identified by SSR markers and taxonomic distance measured by mean genetic distance will be analysed using Jaccard's similarity index and average taxonomic distance calculated by NTSYS-pc v 2.1.

### **(F) Statistical Analysis:**

1. Analysis of variance (Burton, 1952)
2. Heritability (Hanson *et al.*, 1956)
3. Genetic advance (Johnson *et al.*, 1955)
4. Correlation analysis (Miller *et al.*, 1958)
5. Path coefficient analysis (Wright, 1921 and Dewey and Lu, 1959)

### **Collaboration with other departments:**

1. Department of Plant Molecular Biology and Biotechnology, COA, Gwalior
2. Department of Agronomy, B.M. College of Agriculture, Khandwa.
3. Department of Statistics, College of Agriculture, Gwalior

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Synopsis seminar successfully delivered on 22/03/2021 (to be certified by I/C seminar).  
Dr. R. S. Sikarwar (I/C Seminar)

Major advisor and Chairman

Dr. D.K. Srivastava



Co- Advisor

Dr. Sushma Tiwari

Member of advisory committee

Dr. Armitbir Riar



Dr. Tanay Joshi



Mr. Y. M. Indapurkar



Dr. V.B. Singh



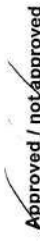
Forwarded in triplicate to the director of instructions Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior for approval.

Head of Department/Section

Genetics & Plant Breeding  
College of Agriculture, Gwalior



Approved / not approved



Dean

College of Agriculture, Gwalior  
College of Agriculture  
Gwalior (M.P.)

Director of Instruction

R. V. SIKARWAR (I/C Seminar)  
R.V.S.K.V. COLLEGE (M.P.)

*Knowingly to approve  
may be approved as this is as per  
R.S.K.V. Superintendent of VV*





Synopsis of Thesis Problem of Post Graduate Student

M.Sc. (Ag.) Agronomy

Name of student : Tejpal Sharma  
Father's name : Chanan Mal Sharma  
Enrollment I.D. No. : 20111111  
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Taranagar, Distt.- Churu 331304, (Raj.)  
Semester and year : 1<sup>st</sup> Semester and 2020-21  
of admission  
Major Subject : Agronomy  
Minor Subject : Soil Science & Agricultural Chemistry  
Major Advisor : Dr. Ekta Joshi (Scientist)  
Co-Advisor : Dr. D.K. Shrivastava

**Title of the research problem :** Non-GM cotton cultivars response studies to varying nitrogen levels under rainfed organic conditions.

**INTRODUCTION:**

Cotton belongs to the genus *Gossypium* from the *Malvaceae* family. There are four cultivated species of cotton viz. *Gossypium arboreum* (old world cotton), *G. herbaceum*, (American cotton) *G. hirsutum* and (Egyptian cotton) *G. barbadense*. Cotton cultivation in India employs 7 million people for the living, and the cotton textile industry contributes 38% of the country's export earnings (Eyhorn *et al.*, 2005). Worldwide area under cotton for the year 2019-20 was 34.49 mha and production and productivity accounted for 26.13 million MT and 757.6 kg/ha, respectively (Anonymous, 2020a). China, Kyrgyzstan, Turkey, Tajikistan, Tanzania, USA, Uganda, Greece, Benin, Peru, Burkina Faso, Pakistan, Egypt, Ethiopia, Brazil, Mali, and Argentina are the other organic cotton-producing countries. In India area under cotton for the year 2019-20 was 13.48 mha and production and productivity accounted for 36.5 million bales and 460 kg/ha respectively (Anonymous, 2020b). In Madhya Pradesh, area under cotton was 0.65 mha with production and productivity accounted for 2.0 million bales and 523 kg/ha respectively during 2019-20 (Anonymous, 2020c). Among all cash crops, cotton is the most important crop growing from last many decades in India, occupies only 5% of arable area and accounts 50% of total pesticide consumption. So, there is now a re-vitalized interest in current organic cotton cultivation which performs well in several sustainability domains.

According to the Ministry of textiles data, presented to Rajya Sabha in February 2022, the production of organic cotton during 2020-21 has been 8,10,934 tonnes. From last five years, Madhya Pradesh is in the top for organic cotton production chart with shearing 38% of total cotton production. (Anonymous 2022a). Madhya Pradesh is the biggest organic cotton producer, accounting for 38% of total output during the previous five years, followed

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observed in the plants grown in 200 g of vermicompost applied pots. The soil properties such as pH, EC, available nitrogen, phosphorus, potassium, iron, zinc, copper and manganese were found to vary in the soils treated with vermicompost. An increase in micro and macro nutrient content was observed with the 200 g of vermicompost treated plots.

**Vora et al. (2015)** carried out an experiment to study the effect of combined application of organic and inorganic fertilizers comprising 10 treatment combinations of NPK, gypsum, castor cake, compost and vermicompost. The effect of different treatments on EC, organic carbon, available phosphorus, potash and sulphur in the soil were found significant and the same treatment recorded the maximum availability of the micronutrients in the soil. Bulk density of soil was reduced under treatment where compost @ 10 t ha<sup>-1</sup> + vermicompost @ 1 t ha<sup>-1</sup> + castor cake at 500 kg ha<sup>-1</sup> + azotobacter + PSM was applied and it was at par with the application of 80 kg N ha<sup>-1</sup> + castor cake at 500 kg ha<sup>-1</sup> and 80 kg N ha<sup>-1</sup> + compost @ 10 t ha<sup>-1</sup> + castor cake @ 500 kg ha<sup>-1</sup> + bio-fertilizer application.

**Chavda et al. (2015)** carried out an experiment during Kharif 2011-12 to 2012-13 and reported that organic cultivation of cotton with application of vermicompost @ 5 tons ha<sup>-1</sup> resulted in higher yield (3500 kg ha<sup>-1</sup>), gross returns (Rs. 172375/-) and BC ratio (4.66) compared to local check (RDF) with yield level of 3044 kg ha<sup>-1</sup>. Similarly, application of vermicompost @ 3 tons ha<sup>-1</sup> in groundnut crop resulted in higher yield (2144 kg ha<sup>-1</sup>), gross returns (Rs. 80888/-) and BC ratio (6.16) compared to local check (RDF) (1858 kg ha<sup>-1</sup>). Both groundnut and cotton crops in organic plots did not show any moisture stress during the period of dry spell.

**Pradeep et al. (2019)** carried out an experiment at the farm of Zonal agricultural and horticultural research station, Navile Shivmoga, Kamalaka during 2013 to 2017 and reported that the treatment where recommended dose of FYM + 100 percent N equivalent vermicompost was applied resulted in the highest soil microbial population at different growth stages in field bean (*Dolichus lablab* L.). It had also recorded the increase in the available nutrient status as compared to their initial levels in soil. They reported that application of vermicompost @ 2 tha<sup>-1</sup> + FYM @ 7.5 tha<sup>-1</sup> was best for obtaining highest yield of pigeon pea (*Cajanus cajan*) under organic cultivation.

**Kumar et al. (2020)** conducted an experiment at the farm of Cotton Research Unit, Central Research Station, Dr. PDKV, Akola, during Kharif 2015-16 to study the effect of organic nutrient sources on biological properties of Vertisols in cotton. Results revealed that significantly highest seed cotton yield was obtained with the concentrated organic manure i.e. Neem cake @ 500 kg ha<sup>-1</sup> and remained at par with Castor cake @ 500 kg ha<sup>-1</sup>, FYM 5 t ha<sup>-1</sup> + Neem cake @ 500 kg ha<sup>-1</sup>. The results revealed that, use of bulky organic manure i.e. FYM, vermicompost and conc. organic manure i.e. castor cake full fill the nutritional requirement of rainfed cotton crop as significantly highest uptake of N, P and K was estimated after harvest of cotton.

**Gaikwad et al. (2020)** conducted an experiment at the Cotton Research Unit, Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola during Kharif 2016-17 to study the effect of organic

sources on growth parameter of organic cotton under rainfed condition. The results revealed that among different nutrient management through organic sources, the growth attributing characters viz. plant height, number of functional leaves and drymatter accumulation plant<sup>-1</sup> at different growth stages were observed significantly highest with application of recommended dose of nutrient through organics on P equivalent basis (FYM @ 12.5 t ha<sup>-1</sup>).

#### Technical programme of work

The experiment will be conducted during *kharrif* season of year 2021-22 at the research farm, B.M.College of Agriculture, Khandwa, R.V.S.K.V.V., Gwalior. The treatments shall be imposed as per the programme of research work. Plant and soil sampling will be done at respective stages using appropriate methodology. Chemical analysis and quality parameters will be estimated using standard procedures.

#### Methodology:

##### • Experimental details:

1. No. of treatments	:	<b>Factor A:</b> Arboreum : Two cultivars Hirsutum : Two cultivars <b>Factor B</b> Two Nitrogen levels: 40 and 60 Kg ha <sup>-1</sup>
2. No. of replications	:	03
3. Source of nutrients	:	Vermicompost
4. Design of experiment	:	RBD
5. Crop	:	Cotton ( <i>kharrif</i> )
6. Variety	:	Advance lines each of Arboreum Cotton : SGF-013 and SGF-008 Hirsutum Cotton : SGF-303 and SGF-324
7. Plot size	:	Gross : 5.4 X 6.0 m <sup>2</sup> Net : 4.5 X 5.4 m <sup>2</sup>
8. Seed Rate	:	6 kg ha <sup>-1</sup>
9. Spacing	:	90 X 30 cm
10. Method of sowing	:	Dibbling
11. Total number of plots	:	24

##### • Treatment details:

Tr.	Treatment details
T <sub>1</sub>	SGF-013 - Arboreum cultivar + 40 kg N ha <sup>-1</sup>
T <sub>2</sub>	SGF-008 - Arboreum cultivar + 40 kg N ha <sup>-1</sup>
T <sub>3</sub>	SGF-303 - Hirsutum cultivar + 40 kg N ha <sup>-1</sup>
T <sub>4</sub>	SGF-324 - Hirsutum cultivar + 40 kg N ha <sup>-1</sup>
T <sub>5</sub>	SGF-013 - Arboreum cultivar + 60 kg N ha <sup>-1</sup>



T <sub>6</sub>	SGF-008 - <i>Arboreum</i> cultivar + 60 kg N ha <sup>-1</sup>
T <sub>7</sub>	SGF-303 - <i>Hirsutum</i> cultivar + 60 kg N ha <sup>-1</sup>
T <sub>8</sub>	SGF-324 - <i>Hirsutum</i> cultivar + 60 kg N ha <sup>-1</sup>

**Observations:**

<b>Morphological parameters</b>	Plant height at harvest (cm), Initial & final plant stand, Number of sympodial branches, Days to first 50% flowering, Days to first 50% boll bursting, Bolls per plant at I,II and III picking
<b>Yield</b>	Seed cotton yield plot <sup>-1</sup> & Seed cotton yield ha <sup>-1</sup> at I,II and III picking, Seed Index(g), GOT %, Lint index(g), Lint yield(%)
<b>Quality parameters</b>	Fibre fineness, Fibre length (mm), Fiber's strength(g/tex), Fibre uniformity (%) and Fibre maturity
<b>Soil Studies</b>	
<b>Physical Properties</b>	Bulk density (kg m <sup>-3</sup> ) and Water holding capacity
<b>Chemical Properties</b>	pH, EC (ds m <sup>-3</sup> ), Available N, P, K content (kg ha <sup>-1</sup> ), Organic carbon (%)
<b>Plant analysis</b>	N, P, K content (%) and their uptake (kg ha <sup>-1</sup> ) at 50% boll formation stage
<b>Nutrient use efficiencies (NUE)</b>	Agronomic efficiency % (AR) Physiological efficiency % (PE) Recovery efficiency % (RE) Partial factor productivity % (PFP)
<b>Economics</b>	Gross monetary returns Net monetary returns BC Ratio

**Collaborations with other departments:**

- Department of Soil Science & Agricultural Chemistry, College of Agriculture, Gwalior.
- Department of Statistics, College of Agriculture, Gwalior.

**E) References:**

- Anonymous (2020a). International cotton advisory committee.  
[https://www.icac.org/Content/PublicationsPdf%20files/1e6c593d\\_66b1\\_4b82\\_b5bc\\_5902d266c2f/CTM\\_2022\\_03\\_01.pdf](https://www.icac.org/Content/PublicationsPdf%20files/1e6c593d_66b1_4b82_b5bc_5902d266c2f/CTM_2022_03_01.pdf)
- Anonymous (2020b). The Cotton Corporation of India Ltd.  
[https://cottoncorp.org.in/national\\_cotton.aspx](https://cottoncorp.org.in/national_cotton.aspx)  
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 (accessed on 25 March 2022)

by Odisha (20%) and Maharashtra (19%) and the other two main organic cotton producers, are Gujarat (15%) and Rajasthan (8%).

In recent years, with the emergence of global environmental issues, rising awareness of global warming and the increased cost of nitrogen have spurred an interest in the investigation of organic nitrogen fertilization. Nitrogen fertilization has significant impact on cotton growth, boll development, lint yield, and fiber quality. Among various organic sources of nutrients, a number of researchers across the globe have found that the nutrient profile in vermicompost is generally higher than traditional compost. In fact, vermicompost can enhance soil fertility physically, chemically and biologically. The vermicompost-treated soil has better aeration, porosity, bulk density and water retention as well as chemical properties such as pH, electrical conductivity and organic matter content of soil also improved with better crop yield (Lim *et al.*, 2015). A number of case studies report that crop yields have increased substantially after conversion of the fields to organic farming (Giovannucci, 2005).

A number of studies over the past few decades have investigated the effects of organic nitrogen fertilization on cotton growth (Muharam *et al.*, 2014). Hence as the an intensive farming practices in India are non-sustainable as they are oriented towards high production without much concern for ecology and the very existence of man himself. Therefore, here is an urgent need to carry out an experiment for better understanding of response studies of non-GM cotton cultivars to varying levels of nitrogen through organic sources and assess the effect of organic nitrogen fertilization on yield and fiber quality of cotton under rainfed cultivation. So, keeping these things in mind the present study on "Non-GM cotton cultivars response studies to varying nitrogen levels under rainfed organic conditions" is carried out with the following objectives:

1. To assess the effect of different levels of nitrogen through organic sources on yield and fibre quality indices under rainfed conditions in cotton.
2. To study the effect of varying levels of nitrogen on soil fertility under rainfed conditions.
3. To identify the suitable dose of nitrogen for non-GM cultivars of cotton under organic conditions.

#### REVIEW OF LITERATURE:

**Frank Eyhorn *et al.* (2005)** carried out an experiment to access the impact of conversion to organic cotton farming on the livelihoods of small holders in the Maikaal bioRe organic cotton project in Madhya Pradesh, Central India (under FIBL). The results showed that the organic farms achieved higher cotton yields that were at par with those in conventional farms, though nutrient inputs were considerably lower. With less production costs and at 20% organic premium price, the gross margins from cotton were substantially higher than in the conventional system.

**S. Mathivanan *et al.* (2013)** carried out an experiment to study the effect of vermicompost on the growth and nutrient status in groundnut (*Arachis hypogaea* L.) and results revealed that the highest chlorophyll, carotenoid, sugar, amino acids and protein content were

Synopsis seminar successfully delivered on 08/02/2022 (to be certified by I/c seminar).

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Forwarded in triplicate, to the Director of Instruction, Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior for approval.

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Head of Department/Section

Approved / Not approved

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