

DEPARTMENT OF FORESTRY, WILDLIFE & ENVIRONMENTAL SCIENCES
GURU GHASIDAS VISHWAVIDYALAYA
(A Central University established by the Central Universities Act 2009 No. 25 of 2009)
BILASPUR - 495009, CHHATTISGARH

COLLABORATIONS AND MOUS

S. No.	Year	Particular
1	2023-24	CAMPA UP
2	2022-23	CAMPA CHHATTISGARH
3		TROPICAL FOREST RESEARCH INSTITUTE, JABALPUR
4		INSTITUTE OF FOREST PRODUCTIVITY
5		NTPC, CG
6		CG. PLANNING COMMISSION



विभागाध्यक्ष
Head

वानिकी, वन्यजीव एवं पर्यावरण विभाग
Department of Forestry, Wildlife and Environmental Science
गुरु घासीदास विश्वविद्यालय, बिलासपुर (छ.ग.)
Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)



भा.वा.अ.शि.प. - उष्णकटिबंधीय वन अनुसंधान संस्थान

(भारतीय वानिकी अनुसंधान एवं शिक्षा परिषद)

पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार की एक स्वायत्त परिषद

डाकघर - आर.एफ.आर.सी., मण्डला रोड, जबलपुर - 482 021

ICFRE-Tropical Forest Research Institute

(Indian Council of Forestry Research & Education)

An autonomous body of Ministry of Environment, Forests & Climate Change, Govt. of India

P.O. - R.F.R.C., Mandla Road, Jabalpur - 482 021



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F. No.21-75 / GCR/ TFR/2023/JBP/443

Dated: 20/05/2023

प्रति,

प्रोफेसर डॉ० के०के०वेंद्रा,
प्रभागाध्यक्ष,
फॉरेस्ट्री, वाइल्ड लाइफ एवं एन्वायरमेंट साइंस प्रभाग,
गुरु घासीदास विश्वविद्यालय (केन्द्रीय यूनिवर्सिटी)
बिलासपुर - ४६५००६ (छ०ग०)

विषय: समझौता ज्ञापन (एम०ओ०यू०) के संबंध में।

संदर्भ: पत्र क्र० ५७८/फॉरेस्ट्री/एम०ओ०यू०-२०२३ दि० ६.५.२०२३

भावाअशिप-उवअस की ओर से सहर्ष बधाई.

महोदय,

उपरोक्त संबंधित विषयगत लेख इस प्रकार है कि आपके द्वारा प्रेषित किया गया हस्ताक्षरित एम०ओ०यू० (मूल प्रतियों) इस संस्थान से हस्ताक्षरपत्रांत आपको अग्रिम कार्यवाही हेतु प्रेषित की जा रही है।

संलग्न:- उपरोक्तानुसार।

भवदीय,

(डॉ० नितिन कुलकर्णी)

निदेशक

भावाअशिप-उवअस

जबलपुर।

प्रतिलिपि:

कुल सचिव महोदय, गुरु घासीदास विश्वविद्यालय (केन्द्रीय यूनिवर्सिटी), बिलासपुर-४६५००६(छ०ग०)को सूचनाार्थ।

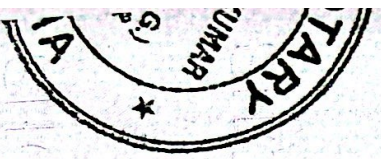
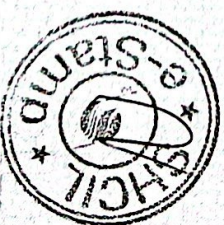
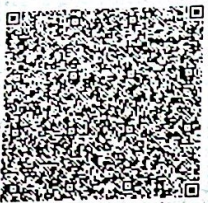
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Government of Chhattisgarh

समस्त जयते

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Certificate No. : IN-CG39142224810895V
Certificate Issued Date : 16-Mar-2023 12:03 PM
Account Reference : NEWIMPACC (SH)/ cgshini17/ BILASPUR/ CG-BP
Unique Doc. Reference : SUBIN-CGCGSHINI1763699129874053V
Purchased by : KK CHANDRA
Description of Document : Article 5 Agreement or Memorandum of an agreement
Property Description : AGREEMENT
Consideration Price (Rs.) : 0
(Zero)
First Party : GURU GHASHIDAS VISHWAVIDYALAYA BILASPUR
Second Party : TROPICAL FOREST RESECH INSTITUTE JABALPUR
Stamp Duty Paid By : GURU GHASHIDAS VISHWAVIDYALAYA BILASPUR
Stamp Duty Amount(Rs.) : 100
(One Hundred only)



Sanjay Kumar Sahu
Notary
Bilaspur (C.G.)

Registrar (Acting)
Guru Ghasidas Vishwavidyalaya
(A Central University) Bilaspur (C.G.) 495 009

Sanjay Kumar Sahu
Notary Bilaspur (C.G.)



**MEMORANDUM OF UNDERSTANDING FOR ACADEMIC AND RESEARCH
COOPERATION**

BETWEEN

Guru Ghasidas Vishwavidyalaya, Bilaspur

AND

Tropical Forest Research Institute, Jabalpur, MP

The MEMORANDUM OF UNDERSTANDING (hereinafter referred to as MOU) is made between **Guru Ghasidas Vishwavidyalaya** is a Central University, established by Central Universities Act 2009) and recognized by University Grant Commission based in Bilaspur, Chhattisgarh, India, (hereinafter called First Party) has professional, technical and vocational study programmes along with facilities for research.

and

Tropical Forest Research Institute, Jabalpur, M.P. will be the Second Party on the OTHER PART (who for the purpose of this MOU) are hereinafter individually referred to as PARTIES.

The parties having discussed fields of common research interests and allied academic activities between the two institutions have decided to enter into long-term collaboration for promotion of students training and quality graduate and postgraduate research in cutting edge areas.

OBJECTIVES OF THE AGREEMENT

The objectives of the MoU will include programs offered at either party which are felt to be desirable and feasible for the development and strengthening of expertise in the various fields to expand the opportunities in the research, especially translational research and industrial collaboration, besides the development of human resources to face the future challenges & the cooperative relationships between the two institutions.

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(A Central University)
Bilaspur (C.G.) 495 006 India



It also includes the exchange of ideas on research publications, academic programs and research projects and promotion of technology, incubation and startups".

Such programs may include any or all of the following activities:

- I) Encouragement of study by qualified students, both graduate and undergraduate, of each party of order;
- II) Exchange of faculty and researchers;
- III) Promotion of collaborative research in areas of mutual interest;
- IV) Development of short-term academic and training programs
- V) Participation of jointly organized academic meetings, seminars, and workshops;
- VI) Any other areas which the parties agree are in their mutual interest.

ARTICLE 1: Scope, Goals and Forms of Cooperation

The signing institutes agree to provide opportunity as appropriate for the following activities towards the completion of the objectives of this MOU:

- I. Exchange of ideas with the objective of offering course and realizing research projects in areas mutually agreed upon by both parties through prior invitation and in accordance with the procedures and expectations established by each institute and specific department.
- II. The First party will provide research guide and support in various fields as on the demand of second party for conducting research related to the thesis dissertation requirements of the research students.
- III. 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.
- IV. Research instrumentation facility and library facilities available with the Second party and the First party will be made available to the faculty and research scholars. However, the costs of specific consumables will be borne by the respective organizations.

Director

श्रीमान् श्रीविश्वनाथ शर्मा
Tropical Forest Research Institute
बालगढ़ (H. N.) Jabalpur (M. P.)

Registrar (Acting)

Guru Chasidas Vishwavidyalaya
(A Central University)
Bilaspur (C.G.) 155 009 India



- V. Exchange of scientific publications, study programs, academic projects, course information, seminars, conferences, and any other data and information of common interest.
- VI. Both the Institutions will develop joint research projects; promote incubation technology, startups, organization of seminars, symposia, workshops for benefits of the students.
- VII. Submitting proposals jointly to various Central/State Department Organization under different Schemes using each other's competencies by mutual consent.
- VIII. All joint activities will be realized through the mutual agreement and clearly established conditions and mutual obligations of the appropriate institute entity.

ARTICLE 2: Management

- I. Vice-Chancellor of the First party and Director of 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.
- II. The Advisory Committee will meet at least once in a year alternatively in the institution of 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 all students, faculties and scientists.

ARTICLE 3: Exchange of Information

- I. 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.
- II. 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.

Registrar (Acting)
Guru Ghasidas Vishwavidyalaya
(A Central University)
Bilaspur (C.G.) 495 009 India

Director
Tropical Forest Research Institute
Bilaspur (M. P.) Jabalpur (M. P.)



ARTICLE 4: Implementation of the Memorandum of Understanding

- I. It is understood that the First party and Second party subscribe to the principle of equal opportunity and do not discriminate on the basis of state, race, sex, age, cast 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.
- II. Students and research scholars may visit the corresponding departments of the institute after finalizing a mutually acceptable schedule.
- III. All the expenses shall be the direct responsibility of the student concerned (subject to any agreements on payment arrangements made by either institution with its own students).
- IV. The researchers will be allowed to make use of the instruments and other research facilities available in various departments of these institutes after prior approval of the visiting schedule and due approval from Heads of both institutions.
- V. Both parties promote research and realize collaborative projects giving priority to interdisciplinary works.

ARTICLE 5: Terms and Conditions

- I. This MOU shall become effective from 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.

Registrar (Acting)
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(A Central University)
Bilaspur (C.G.) 495 009 India

Director
Tropical Forest Research Institute
Jabalpur (M. P.)



- II. 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.
- III. 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.
- IV. Financial terms and conditions will be decided mutually as per needs of both parties. This MOU will be considered only for academic and R&D purposes only by both parties.

ARTICLE 6: Arbitration

- I. Any issues that are not addressed or stipulated in the MoU shall be discussed and resolved through negotiation in good faith and such resolution will be incorporated as written amendments to the MoU by mutual agreement between two Parties.
- II. No disputes are foreseen in the implementation of the MoU. The two Parties, however, agree that if any dispute arises between them, efforts will be made to settle the same as amicably as possible. If the dispute still remains unsettled, it will be referred for resolution bilaterally to Vice Chancellor, Guru Ghasidas Vishwavidyalaya, Bilaspur and Tropical Forest Research Institute, Jabalpur. The decisions so arrived at shall be final and binding on the parties to this MoU.

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)

Director
Tropical Forest Research Institute
P.O. Box 11, Jabalpur

Registrar (Acting)
Guru Ghasidas Vishwavidyalaya
(A Central University)
Bilaspur (C.G.), 495 009 India



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

Signed by

[Signature]

Registrar (Acting)

Registrar Gnasidas Vishwavidyalaya
Guru Gnanadas Vishwavidyalaya
Bilaspur (C.G.) 495 009 India

Dated:

Witness 1 Prof. S.C. Tiwari
Witness 2 Prof. K.K. Chandra

Signed by

[Signature]

Director

Director/ Group Coordinator Research Institute
Tropical Forest Research Institute
Jabalpur
Madhya Pradesh (M.P.)

Dated:

Witness 1
Witness 2

(Dr. Fatima Shireen) Group Coordinator (Research Institute)
Tropical Forest Research Institute
Jabalpur-482021
M.P.

416

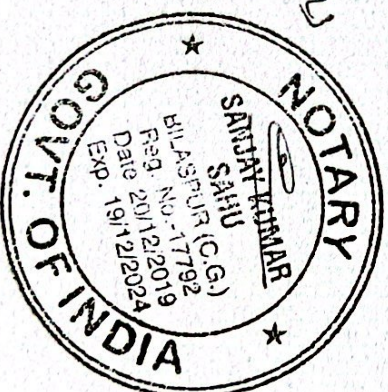
SIGNED ATTESTED

Sanjay Kumar Sahu

Notary

Will Distt. Bilaspur (C.G.)

16 MAR 2023



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भारत सरकार

LIFE
Lifestyle for
Environment



भा वा अ शि प - वन उत्पादकता संस्थान
(भारतीय यात्रिकी अनुसंधान एवं शिक्षा परिषद)

(वन, पर्यावरण, एवं जलवायु परिवर्तन मामलों में भारत सरकार की एक स्वायत्त विभाग)
राजलुट्टा, एन एच-23, गुमला रोड, रांची 835 303 (झारखण्ड)

Phone: 0651- 2526140
2526150

डॉ. योगेश्वर मिश्रा
निदेशक
Dr. Yogeshwar Mishra
Director

ICFRE - INSTITUTE OF FOREST PRODUCTIVITY

(Indian Council of Forestry Research & Education)

(An Autonomous Body of the Ministry of Environment, Forest and Climate Change, Govt of India)

Lalpurwa, Gumla Road, N.H.-23, Ranchi-835303 (Jharkhand)

Email:- dir_ifp@icfre.org, ifpranchi2018@gmail.com

Website:- www.ifp.icfre.gov.in

No. VIII-RCS-583/ 2021-22/280

Date: 23.05.2023

To,

Dr. Krishna Kumar Chandra
HOD, Dept. of Forestry, Wildlife & Environmental Sciences
Guru Ghasidas University (A Central University)
Bilaspur, Chhattisgarh - 495 009
e-mail: kkcrcvk@gmail.com, chandra.kk@ggu.ac.in;

विषय: आईएफपी, रांची और गुरु घासीदास विश्वविद्यालय, बिलासपुर के साथ MOU- के संबंध में
Sub: MOU with IFP, Ranchi & Guru Ghasidas Vishwavidyalaya, Bilaspur- regarding
Ref: 579 Forestry / MoU 2023 dt. 09.05.2023

महोदय/Sir,

In reference to the above, two copies of Memorandum of Understanding (MOU) signed between Institute of Forest Productivity, Ranchi [Indian Council of Forestry Research & Education (ICFRE)] and Guru Ghasidas Vishwavidyalaya (A Central University), Bilaspur for strengthening collaboration in academic and forestry research cooperation is enclosed herewith for your information and needful.

धन्यवाद / Thank you

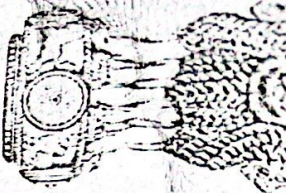
भवदीय/Yours sincerely

संलग्नक/Encl:- यथोक्त.

(योगेश्वर मिश्रा / Yogeshwar Mishra)

निदेशक / Director

सत्यमेव जयते

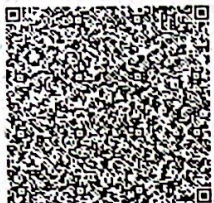


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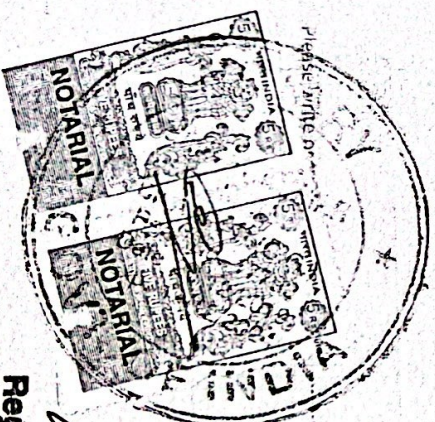
Government of Chhattisgarh

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Unique Doc. Reference	: SUBIN-CGCGSHINI1763706879231050V
Purchased by	: KK CHANDRA
Description of Document	: Article 5 Agreement or Memorandum of an agreement
Property Description	: AGREEMENT
Consideration Price (Rs.)	: 0 (Zero)
First Party	: GURU GHASHIDAS VISHWAVIDYALAYA BILASPUR.
Second Party	: INSTITUTE OF FOREST PRODUCTIVITY
Stamp Duty Paid By	: GURU GHASHIDAS VISHWAVIDYALAYA BILASPUR
Stamp Duty Amount(Rs.)	: 100 (One Hundred only)



Fixed & Notary Stamp of Bispur
Q1 added
Sanjay Kumar Sahu
Notary Bispur (C.G.)



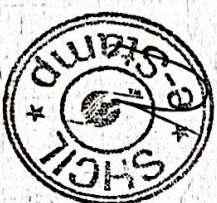
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Guru Ghasidas Vishwavidyalaya
(A Central University)
Bilaspur (C.G.) 495 009 India

PU 0005878453

निदेशक / Director

वन उत्पादकता संस्थान, राँची

Institute of Forest Productivity, Ranchi





**MEMORANDUM OF UNDERSTANDING FOR ACADEMIC AND RESEARCH
COOPERATION**

BETWEEN

Guru Ghasidas Vishwavidyalaya, Bilaspur

AND

Institute of Forest Productivity (IFP), Ranchi, India

The MEMORANDUM OF UNDERSTANDING (hereinafter referred to as MOU) is made between **Guru Ghasidas Vishwavidyalaya** is a Central University, established by Central Universities Act 2009) and recognized by University Grant Commission based in Bilaspur, Chhattisgarh, India, (hereinafter called First Party) has professional, technical and vocational study programmes along with facilities for research.


and

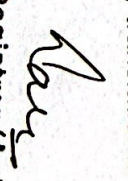
Institute of Forest Productivity, Ranchi, India will be the Second Party on the OTHER PART (who for the purpose of this MOU) are hereinafter individually referred to as PARTIES.

The parties having discussed fields of common research interests and allied academic activities between the two institutions have decided to enter into long-term collaboration for promotion of students training and quality graduate and postgraduate research in cutting edge areas.

OBJECTIVES OF THE AGREEMENT

The objectives of the MOU will include programs offered at either party which are felt to be desirable and feasible for the development and strengthening of expertise in the various fields to expand the opportunities in the research, especially translational


निदेशक / Director
वन उत्पादकता संस्थान, राँची
Institute of Forest Productivity, Ranchi


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(A Central University)
Bilaspur (C.G.) 495 009 India



research and industrial collaboration, besides the development of human resources to face the future challenges & the cooperative relationships between the two institutions.

It also includes the exchange of ideas on research publications, academic programs and research projects and promotion of technology, incubation and startups".

Such programs may include any or all of the following activities:

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- V) Participation of jointly organized academic meetings, seminars, and workshops;
- VI) Any other areas which the parties agree are in their mutual interest.

ARTICLE 1: Scope, Goals and Forms of Cooperation

The signing institutes agree to provide opportunity as appropriate for the following activities towards the completion of the objectives of this MOU:

- I. Exchange of ideas with the objective of offering course and realizing research projects in areas mutually agreed upon by both parties through prior invitation and in accordance with the procedures and expectations established by each institute and specific department.
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निदेशक / Director
वन उत्पादकता संस्थान, राँची
Institute of Forest Productivity, Ranchi

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(A Central University)
Bhospur (C.G.) 495 009 India



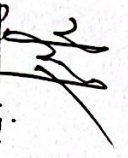
- IV. Research instrumentation facility and library facilities available with the Second party and the First party will be made available to the faculty and research scholars. However, the costs of specific consumables will be borne by the respective organizations.
- V. Exchange of scientific publications, study programs, academic projects, course information, seminars, conferences, and any other data and information of common interest.
- VI. Both the Institutions will develop joint research projects; promote incubation technology, startups; organization of seminars, symposia, workshops for benefits of the students.
- VII. Submitting proposals jointly to various Central/State Department Organization under different Schemes using each other's competencies by mutual consent.
- VIII. All joint activities will be realized through the mutual agreement and clearly established conditions and mutual obligations of the appropriate institute entity.

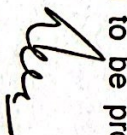
ARTICLE 2: Management

- I. Vice-Chancellor of the First party and Director of 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.
- II. The Advisory Committee will meet at least once in a year alternatively in the institution of 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 all students, faculties and scientists.

ARTICLE 3: Exchange of Information

- I. The term "information includes scientific or technical data results and/or methods of investigation, and other information intended to be provided,


निदेशक / Director
वन उत्पादकता संस्थान, राँची
Institute of Forest Productivity, Ranchi


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exchanged, or arising under project descriptions entered into pursuant to this MOU.

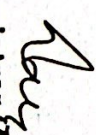
- II. The parties support the widest possible dissemination of information. Each party in joint projects shall be given the right to use, disclose, publish or disseminate such information for any and all purposes.


ARTICLE 4: Implementation of the Memorandum of Understanding

- I. It is understood that the First party and Second party subscribe to the principle of equal opportunity and do not discriminate on the basis of state, race, sex, age, cast 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.
- II. Students and research scholars may visit the corresponding departments of the institute after finalizing a mutually acceptable schedule.
- III. All the expenses shall be the direct responsibility of the student concerned (subject to any agreements on payment arrangements made by either institution with its own students).
- IV. The researchers will be allowed to make use of the instruments and other research facilities available in various departments of these institutes after prior approval of the visiting schedule and due approval from Heads of both Institutions.
- V. Both parties promote research and realize collaborative projects giving priority to interdisciplinary works.

ARTICLE 5: Terms and Conditions

- I. This MOU shall become effective from 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


Registrar (Acting)
Guru Chasidas Vishwavidyalaya
(A Central University)
Bilaspur (C.G.) 495 009 India


निदेशक / Director
वन उत्पादकता संस्थान, राँची
Institute of Forest Productivity, Ranchi



- 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.
- II. 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.
- III. 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.
- IV. Financial terms and conditions will be decided mutually as per needs of both parties. This MOU will be considered only for academic and R&D purposes only by both parties.

ARTICLE 6: Arbitration

- I. Any issues that are not addressed or stipulated in the MoU shall be discussed and resolved through negotiation in good faith and such resolution will be incorporated as written amendments to the MoU by mutual agreement between two Parties.
- II. No disputes are foreseen in the implementation of the MoU. The two Parties, however, agree that if any dispute arises between them, efforts will be made to settle the same as amicably as possible. If the dispute still remains unsettled, it will be referred for resolution bilaterally to Vice Chancellor, Guru Ghasidas Vishwavidyalaya, Bilaspur and Director,

निदेशक / Director
वन उत्पादकता संस्थान, राँची
Institute of Forest Productivity, Ranchi

Registrar (Acting)
Guru Ghasidas Vishwavidyalaya
(A Central University)
Bilaspur (C.G.) 495 009 India



Institute of Forest Productivity (IFP), Ranchi, India The decisions so arrived at shall be final and binding on the parties to this MoU.

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

Signed by

[Signature]

Registrar
Registrar (Acting)
Guru Ghasidas Vishwavidyalaya
(A Central University)
Guru Ghasidas Vishwavidyalaya
Bilaspur

Signed by

[Signature]

Director/Group Coordinator Research
निदेशक / Director
वन उत्पादकता संस्था, राँची
Institute of Forest Productivity, Ranchi
Ranchi, India

Dated:

Witness 1 Prof. S.C. Tiwari *[Signature]* Dated: 16 MAR 2023
Witness 2 Prof. K.K. Chandra *[Signature]* Witness 1 Sumila Sircar *[Signature]*
Witness 2 DINESH K RASAD *[Signature]*

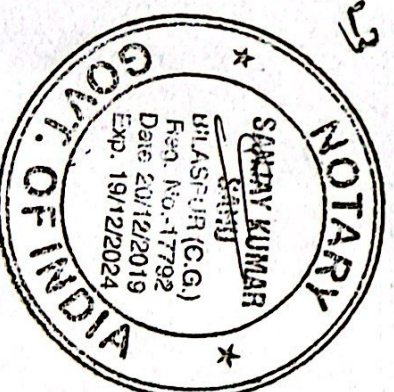
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SIGNED ATTESTED

[Signature]
Notary

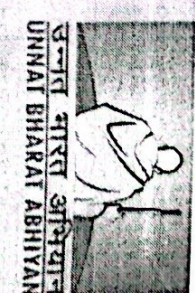
Notary
Bilaspur (C.G.)

16 MAR 2023





ग्रामीण विकास एवं प्रौद्योगिकी केन्द्र
भारतीय प्रौद्योगिकी संस्थान, दिल्ली
जी.एस.एस. नवी दिल्ली - 110016



UNNAT BHARAT ABHIYA
CENTRE FOR RURAL DEVELOPMENT AND TECHNOLOGY
INDIAN INSTITUTE OF TECHNOLOGY, DELHI
Hauz Khas, New Delhi - 110016
Website: <http://unnat.iitd.ac.in>

Prof. Virendra K. Vijay
Coordinator, UBA
IREDA Chair Professor & Head, CRDT

Tel : +91-11-2659 1121/1157(0)
Fax : +91-11-2659 1121
Email: unnatbharatabhiyan.iitd@gmail.com
vkvijay@rdat.iitd.ac.in

Dated: 18th May, 2018

To,
The Vice Chancellor
Guru Ghasidas Vishwavidyalaya,
Koni, Bilaspur, Chhattisgarh-495009

Signing of MoUs between IIT Delhi as the Coordinating Institute (CI) and other Participating Institutes (PIs) under Unnat Bharat Abhiyan (UBA).

Dear Sir

Unnat Bharat Abhiyan is a flagship programme of Ministry of Human Resource Development (MHRD), Govt. of India. IIT Delhi is the National Coordinating Institute (CI). A large number of Higher Educational Institutes in the country are involved in the programme as Participating Institutes (PIs). We are glad that you have agreed to be one of the Participating Institutes (PIs). You have already selected a cluster of villages in consultation with the District authorities and also completed the signing of MoU from your side under UBA program. MoUs between CI & PIs have been signed by Dean, IRD IIT Delhi on behalf of IIT Delhi. A copy of your original MoU, along with corrigendum sheets duly signed from IIT Delhi side are enclosed herewith.

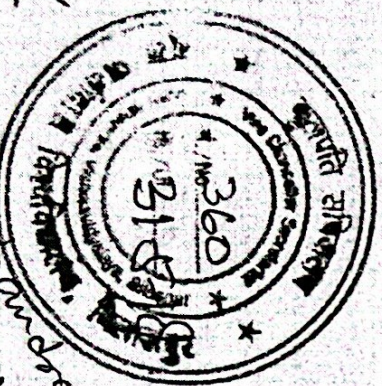
We have already released Rs. 1.75 lakh to you under the UBA program. The funds are meant to be utilised mainly to visit the cluster and formulation of project/ Gram Panchayat Development Plan.

We have also already mailed to you, your institute login credentials for uploading survey data on UBA website under the section 'Reporting Portal'. You are requested to complete the village/ household survey and upload the data on UBA website. You may after that submission to login to the reporting portal of the website to view/download analysis report of your data. Please follow it up with Participatory Rural Appraisal exercise (PRA) and preparation of Village Development Plan. You are also requested to keep IIT Delhi, the National Coordinating Institute updated about your monthly activities so that the same could be reported by IIT Delhi to MHRD.

Looking forward for close cooperation & progress of work under UBA. Kindly acknowledge receipt of original signed MoU.

Your Sincerely,

Prof. Virendra K Vijay
National Coordinator,
Unnat Bharat Abhiyan



Dr. K.K. Ghosh, U.B.A.
Model Officer



सतह CHHATTISGARH

L 788019

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (MoU) has been made on day of , 2017.
BY
Indian Institute of Technology, Hauz Khas, New Delhi 110016 - a premier research and educational Institute (hereafter referred to as "IITD") represented through Dean Industrial Research and Development, who has been duly authorized in this regard by virtue of power conferred by Director IIT Delhi.

AND

Guru Ghasidas Vishwavidyalaya (GGV), Bilaspur, C.G., another Education and Research Institute located at Bilaspur, Chhattisgarh, India (GGV) represented through Registrar, GGV who has been duly authorized in this regard by virtue of power conferred by Vice Chancellor GGV, Bilaspur (C.G.).

WHEREAS the Ministry of Human Resources Development (MHRD), Government of India has launched the program of Unnat Bharat Abhiyan (UBA), a National Program with the vision to involve professional and other higher educational institutions of the country in the development process of Gram Panchayats so as to enable village cluster to achieve sustainable development and better quality of life

WHEREAS IITD has been designated to be the National Coordinating Institute (CI) by

1

Regd
REGISTRAR (ACTING)
Guru Ghasidas Vishwavidyalaya,
Bilaspur (C.G.)

Ministry of Human Resource Development (MHRD) for UBA and represented by Coordinator, UBA at IITD.

WHEREAS, GGV has agreed to participate in UBA as a Participating Institute (PI) for the region of Bilaspur, Chhattisgarh

Both the organizations are collectively referred as "Parties" in the rest of this MoU

Now, therefore, it is hereby agreed between the Parties as follows:

1. SCOPE AND OBJECTIVES OF THE MoU

The parties shall work in a framework of mutual synergy and understanding for achieving the following objectives of UBA:

1.1. Develop the necessary mechanism and proper networking among educational institutions, district authorities, implementation agencies (Panchayati Raj Institutions) and the grass root voluntary organizations to enable effective field visit, understanding of requirements of cluster of villages, preparation of Gram Panchayat Plans & subsequent interventions at the field level.

1.2. Select the sustainable rural clusters based on backwardness & potential in consultation with the District Collectors and effectively participate in the lead up to the holistic development of these cluster by identifying the local needs, documenting the solutions as inputs into Gram Panchayat Plans and suggesting the harnessing of resources from convergence of multifarious Govt. schemes as well as the efforts of voluntary organisations and CSR funding by Corporates.

1.3. The Participating Institution (PI) would be responsible for overseeing the preparation of the Gram Panchayat Development Plans and would be accountable for its quality and relevance to local needs. The Participating Institution would carry out the field visit in consultation with District Collectors concerned assess requirements of the population in the village cluster, engage with local community, provide the knowledge inputs in the Gram Panchayat Developments plans and monitor their execution periodically. It would provide the Coordinating Institute with monthly progress reports on the same. The Coordinating Institute on its part would aggregate the monthly reports received from the Participating Institutions, offer its comments and forward a consolidated as well as institutions specific report on the progress of UBA to the Ministry of HRD. The PI would necessarily send a copy of its progress report to the concerned District Collector. This is a pre-requisite under UBA.

1.4. The Co-ordinating Institute shall identify Participating Institutions based on transparently evolved norms approved by the Ministry of Human Resources Development. The institutions identified should fulfil the definition, nature and role of a knowledge institution with faculty, campus and proven knowhow.

1.5. The Co-ordinating Institute would be responsible for the monitoring of funds released to the PIs, it would be the responsibility of all institutions to ensure that expenditure incurred is in line with UBA priorities and is traceable to the UBA programme process.

1.6 The PIs are fully responsible for the quality, content and appropriateness of the Gram Panchayat Development Plans. The CI would lend the necessary supervision and guidance to the PIs for the proper documentation of village level needs in the Development Plan, as and when needed. All reviews of village level activity and plan preparation by the PIs would be carried out first by the CI in consultation with the District Collectors and subsequently by MHRD. The Gram Panchayat Development Plans are the significant deliverable under UBA and the two layers of institutions would be fully accountable for its content and relevance to the chosen areas. The District Collector would function as the Mentor for the PIs and MHRD would maintain communication with the Mentor for ascertaining progress of PIs under UBA.

1.7 The PIs would provide feedback from field visits to reorient the ethos, academic curricula and research programs in the knowledge institutions to make these more compatible with national needs mainly those of rural areas, thus contributing to capacity building towards rural and regional development.

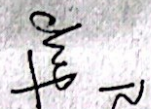
1.8 The CI and PIs shall work in accordance with the UBA programme structure & priorities indicated by the Ministry of HRD and also as per the reflection of the same in the decisions taken in the National Steering Committee of UBA. Finding of the programme would be determined by progress and milestones reached as per the DPR, its subsequent modifications after annual review based on field progress and other stipulation by the MHRD.

2. ROLE OF THE PARTIES

2.1 The Coordinating Institute (CI):

IIT Delhi is the Coordinating Institute for UBA represented by the UBA Coordinator at IITD.

21.1 The main task of the coordinator Institute is to act as a nodal centre for identification of other institutions in the implementations of UBA while also adopting clusters on its own. It would facilitate mutual interaction, consultation, responsibility allocation and function as an active liaison between, the Participating Institutions and district authorities, local bodies subject expert groups as well as MHRD. It will also closely interact with the National Steering Committee in facilitating measures for effective and smooth running, efficiency and


REGISTRAR (ACTING)
Guru Ghansias Viharviyala
Bhopal (C.O.)

spread of the UBA program, in line with the priorities indicated by the Ministry. The Coordinating Institute has the responsibility to ensure that funds are utilized by the PIs according to UBA scheme priorities and bring to the notice of both the MHRD and the National Steering Committee, any deviations from the same.

2.1.2. The CI would obtain monthly progress reports from PIs, containing cluster-wise data on UBA programme implementation. The data obtained would be aggregated institution-wise & State-wise by the CI and uploaded immediately on to the website of Unnat Bharat Abhiyan, developed and maintained by it. The CI being the single point of reference for all information sought by the Ministry on UBA, would ensure that the PIs adhere to timelines in reporting and take necessary action where there are lags in both progress and reporting. Lags in progress would be also communicated by the CI to the MHRD as a special highlight along with the achievements in field studies of clusters.

2.2. Participating Institutions:

2.2.1 The Participating Institutions (PIs), which have the necessary expertise and experience in rural development activities, apart from their normal functioning as knowledge institutions will initiate, carry out field visits of the village clusters, engage intensively with the local community and agencies working in the area, prepare baseline surveys, assess local requirements for quality living in a scientific manner, carry out a resource mapping and prepare their knowledge inputs for Gram Panchayat Development Plan formulation. Utilizing the data of the Socio-economic Caste Census, the PIs would devise their inputs for village transformation with a view to generate livelihoods at the family level. They would submit monthly reports on the progress in various deliverables and function in co-ordination with the District Collectors and other administrative authorities for all their activities. The District Collectors would be reviewing the performance of all the PIs working in their District and give an independent report to MHRD.

2.2.3 The identification of the PIs would be based on transparent and approved norms communicated by the Ministry of HRD. Since the key deliverable by the PIs will be solutions to local needs in the form of Gram Panchayat Development Plans and subsequent extension services during follow up, the CI would ensure that institutions satisfying the character of knowledge institutions are identified as PIs.

2.2.4 The CI would monitor the PIs activity on a monthly basis and prepare an institution-wise progress report. These reports would be aggregated region-wise so as to make available a comprehensive website based monitoring system for MHRD.

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Rajy
REGISTRAR (ACTING)
Guru Chaudhary Mahaveer Lal
Bikaner (C.O.)

3. BASE LEVEL FUNDING

CI shall be disbursing funds received by it from MHRD to PIs on the basis of an estimated expenditure submitted by each participant on the prescribed format, in accordance with the DPR approved by the Ministry and subsequent modifications to the same, after the annual reviews. Each recipient unit shall have to furnish the Utilization Certificate (UC) for the funds received before claiming subsequent release funds. CI Shall obtain from the PI a Utilization certificate signed by the competent person and a statement from the Chartered Accountants and also take all such requisite steps as may be required to monitor the expenditure thus incurred. In the events that the CI finds that the funds have not been properly or adequately utilized then the matter can be refunds to NSC for necessary direction and action. Decision to stop, increase, decrease funding may be considered and MHRD may be approached in case of any clarifications. The CI will ensure that the recommendations in the National Steering Committee in regard to funding/ expenditure decisions are not at variance with either the UBA process priorities or approved norms for government funding. The CI would have the responsibility to advise the NSC on expenditure proposal to ensure their right channelization. The accounts for the CI would be also subject to Audit and would itself need to provide utilization certificate and audit reports on request to Ministry of HRD for successive release of funds.

4. RESOLUTION OF DISPUTES

Disputes if any shall be resolved by discussions/consultation among the parties. Unresolved part if any shall be referred to NSC for amicable solution. If there is any other matter not covered by this MoU or if there are differences in the interpretation of the terms and conditions of this MoU, the parties shall agree to make best efforts to resolve these matters. It would be responsibility of the CI to brief the NSC on the Ministry approved parameters of UBA so as to enable decisions in line with requirements. Finally the decision of NSC shall be binding on both the parties, within the guidelines of the UBA programme processes and deliverables. The Ministry of HRD may be approached only in case of any further disagreement after the NSC decisions or where policy clarification is relevant for settling the dispute


5. AMENDMENTS

If there is a need, the parties may agree to amend the terms and conditions of this MoU so as to reflect such a need with approval of Ministry of HRD.

5
REGISTRAR (ACTING)
Guru Ghasidas Vishwavidyalaya
Bilaspur (C.O.)

6. NOTICE


In the event that any written communication is required to be sent by one party to the other, the same shall be sent by Registered Post, to the following addresses:-


Coordinator UBA
Centre for Rural Development & Technology
IIT Delhi,
Hauz Khas, New Delhi- 110016

Registrar
Guru Ghasidas Vishwavidyalaya
(A Central University)
Bilaspur, C.G. - 495009

IN WITNESS WHEREOF, the parties have designed two original copies of this MoU to be signed by their duly authorized officers or representatives as of the date stated above.

Signature :

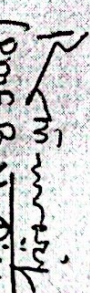

Authorized Signatory
IIT Delhi

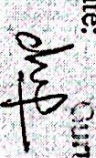
Hauz Khas, New Delhi- 110016
सह-संकायभाषी (अनुसंधान एवं विकास)

Date: बीजे चार, नई दिल्ली-110016
भारतीय प्रौद्योगिकी संस्थान दिल्ली

Prof. Sunil Kumar Khare
Associate Dean (Research & Development)
Indian Institute of Technology, Delhi
Hauz Khas, New Delhi-110016

Signature :


(Prof. G. N. Tiwari)
Authorized Signatory
Guru Ghasidas Vishwavidyalaya
Bilaspur, Chhattisgarh

Date: 
REGISTRAR (ACTING)
Guru Ghasidas Vishwavidyalaya
Bilaspur (C.G.)

गुरु घासीदास विश्वविद्यालय
(विश्व विश्वविद्यालय संविधान 2009 में संशोधन के माध्यम से संशोधन विभाग)
कोनी, बिलासपुर - 495009 (छ.ग.)



Guru Ghasidas Vishwavidyalaya
(A Central University established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur - 495009 (C.G.)

MoU Activity Report

The Department of Forestry, Wildlife & Environmental Sciences, has taken certain initiatives after joining the MoU with Institute of Forest Productivity Ranchi. The following activities have been undertaken after signing of MoU:

- Member/Expert in Research Advisory Group Meeting of the Institute.
- Students and Scholars visited to IFP for analytical works.
- IFP Scientists delivers lecture to the forestry students in recent advances in forestry.

गुरु घासीदास विश्वविद्यालय
(विश्व विद्यालय अधिनियम 2009 के अंतर्गत राष्ट्रीय प्रमुख विश्वविद्यालय)
कोनी, बिलासपुर - 495009 (छ.ग.)



Guru Ghasidas Vishwavidyalaya
(A Central University established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur - 495009 (C.G.)

MoU Activity Report

The Department of Forestry, Wildlife & Environmental Sciences, has taken certain initiatives after joining the MoU with Tropical Forest Research Institute, Jabalpur. The following activities have been undertaken after signing of MoU:

- Member/Expert in Research Advisory Group Meeting of the Institute. The meeting held on 18.8.2023.
- Students and Scholars visited to TFRI for analytical works.
- Joint submission of project for funding.
- Joint Plantation Program in 7 ha area under Green India Mission in July 2022.
- Scientists of TFRI visit and deliver lecture to the students in recent advances in forestry.

Part-I - Information about RAG Meeting		Part-II - Information about RAG member
Name & Code of the Institute: Institute of Forest Productivity, Ranchi (IFP/RNC)		Name:-
Date of Meeting:- 26th September, 2022		Organization:-

Project 2 Impact of tree species on soil in different forest stands of North Bengal
[PI - Anshuman Das, Scientist 'B']

Evaluation of projects by RAG members:

Sl. No	Technical Criteria for Project Assessment ↓	Max. Score	Grading of Technical Criteria's (Based on the criteria covered in the project proposal), RAGs are to tick mark in the appropriate box				Score by RAG Member
			Not covered (0-5)	Marginally covered (6-10)	Moderately covered (11-15)	Fully covered (16-20)	
I	Comprehensiveness of literature review – whether gaps in knowledge on the issue have been clearly brought out	20					
II	Objectives – clarity towards meeting knowledge gaps and measurability	20					
III	Methodology – appropriateness in meeting the objectives	20					
IV	Statistical design and analysis tools – whether robust enough to support project methodology and to help in meeting project objectives	20					
V	Forward-backward linkages – how strongly the proposed project is based on the ongoing institutional programme and how the outputs are proposed to be integrated into the same for future programme / adoption of research by stakeholders / technology development	20					
VI	Total (Overall grading):	100					
VII	Remarks if any by RAG members for Improvement of the project						

Note: The projects scoring 80 or more on the above technical parameters (based on average of scores by the RAG members present) are to be recommended by the institute RAGs to the RPC. The minimum criteria can be changed and fixed before the conduction of each year RPC.

Signature

REGIONAL RESEARCH CONFERENCE
ON
"Nursery technology for propagation of difficult tree species"
Organized & Hosted in Hybrid Mode by
ICFRE- TROPICAL FOREST RESEARCH INSTITUTE, JABALPUR
Date: 18th August 2023
PROGRAMME SCHEDULE

TIME	SESSION	SESSION DEPTH
10:00 – 10:45	INAUGURAL SESSION	
	<ul style="list-style-type: none"> Welcome address: Dr. Nitin Kulkarni, Director, ICFRE-TFRI, Jabalpur Introduction to RRC: Dr. Ratnakar Jauhari, IFS, DDG (Research), ICFRE, Dehradun Address by Guest of Honour : PCCF & HoFF, M.P. Address by the Guest of Honour : PCCF & HoFF, Chhattisgarh Address by the Guest of Honour: PCCF & HoFF, Maharashtra Release of Technical Bulletin on "Turning Challenges into Triumphs: Strategies to conquer difficult tree species". Inaugural address by Chief Guest, RRC : Shri A.S. Rawat, IFS, Director General, ICFRE Vote of Thanks for inaugural session: Dr. Fatima Shirin, Scientist-G & GC(R), ICFRE-TFRI, Jabalpur 	
10:45 – 11:00	Tea Break	
11:00 – 13:00	Technical Session I: Status of Forest Research Problems and Issues of the State Forest Department - (30 minutes each presentation)	
	Chairperson – Sh. M. Srinivas Reddy, APCCF (Research, Education & Training), Maharashtra Forest Department, Nagpur <ul style="list-style-type: none"> ✓ Overview of research work at TFRI – GC(R), ICFRE-TFRI, Jabalpur ✓ Presentation by Forest Department of Madhya Pradesh, P.K. Singh PCCF HRD • Presentation by Forest Department of Chhattisgarh- Sh. S. Vekatachalam, IFS, CCF (Research & Extension), CGSFD, Naya Raipur, Chhattisgarh • Presentation by Forest Department of Maharashtra- Sh. Ashish Thakre, IFS, DCF (Research), Pune, Maharashtra • Presentation by the State Forest Research Institute, Jabalpur 	Co-chairperson – Dr. K. K. Chandra, Professor, Dept of Forestry, Guru Ghasidas University, Bilaspur.
13:00 – 14:00	Lunch Break	
14:00 – 16:30	Technical Session II: Nursery technology for propagation of difficult tree species (45 Minutes each lecture)	
	Chairperson – Dr. Shailesh S. Harne, Dean & HoD, (Forestry Department), Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola <ul style="list-style-type: none"> • Nursery technology for propagation of tree species – Prof. Lalji Singh, Forestry Department, IGKV, Raipur • Challenges in propagation of forestry species in relation to seed quality and seed dormancy – Dr. Manisha Thapliyal, SFM Division, FRI, Dehradun • Nursery techniques of tree species – Dr. Somnath, Forestry Department, JNKVV, Jabalpur • Micro and macro propagation protocol of difficult tree species – Dr. Fatima Shirin, HoD, GTI Division, TFRI, Jabalpur • Certification of forest seeds, criteria & challenges – Dr. Archana Sharma, SFRI, Jabalpur • Presentation by different stakeholders: progressive farmers, NGOs, etc. 	Co-chairperson – Dr. S.K. Tiwari, Senior Scientist, SFRI, Jabalpur
16:30 – 16:45	Tea Break	
16:45 – 17:30	Technical Session III: Wrap-up & Concluding Session	
	Chairperson – Dr. Nitin Kulkarni, Director, ICFRE-TFRI, Jabalpur Vote of thanks – Dr. Fatima Shirin, GC(R), ICFRE-TFRI, Jabalpur	Co-chairperson – Dr. Fatima Shirin, Scientist-G & GC(R), ICFRE-TFRI

Part-I - Information about RAG Meeting		Part-II - Information about RAG member
Name & Code of the Institute: Institute of Forest Productivity, Ranchi (IFP/RNC)		Name:-
Date of Meeting: - 26th September, 2022		Organization:-

Project 1: Utilization of bacterial endophytes for the management of *Fusarium* wilt of *Dalbergia sissoo* in Bihar [PI - Ms. Rathna V, Scientist 'B']

Evaluation of projects by RAG members:

Sl. No	Technical Criteria for Project Assessment ↓	Max. Score	Grading of Technical Criteria's (Based on the criteria covered in the project proposal), RAGs are to tick mark in the appropriate box				Score by RAG Member
			Not covered (0-5)	Marginally covered (6-10)	Moderately covered (11-15)	Fully covered (16-20)	
I	Comprehensiveness of literature review - whether gaps in knowledge on the issue have been clearly brought out	20					
II	Objectives - clarity towards meeting knowledge gaps and measurability	20					
III	Methodology - appropriateness in meeting the objectives	20					
IV	Statistical design and analysis tools - whether robust enough to support project methodology and to help in meeting project objectives	20					
V	Forward-backward linkages - how strongly the proposed project is based on the ongoing institutional programme and how the outputs are proposed to be integrated into the same for future programme / adoption of research by stakeholders / technology development	20					
VI	Total (Overall grading):	100					
VII	Remarks if any by RAG members for Improvement of the project						

Note: The projects scoring 80 or more on the above technical parameters (based on average of scores by the RAG members present) are to be recommended by the institute RAGs to the RPC. The minimum criteria can be changed and fixed before the conduction of each year RPC.

Signature


Part-I - Information about RAG Meeting		Part-II - Information about RAG member	
Name & Code of the Institute: Institute of Forest Productivity, Ranchi (IFP/RNC)		Name:- Prof. K.K. Chandra	
Date of Meeting - 26th September, 2022		Organization:- HOD, Dept. of Forestry Guru Chandraiah Vishwavidyalaya Bijapur, C.G.	

Project 2 Impact of tree species on soil in different forest stands of North Bengal
[P1 - Anshuman Das, Scientist 'B']

Evaluation of projects by RAG members:

Sl No	Technical Criteria for Project Assessment	Max. Score	Grading of Technical Criteria's (Based on the criteria covered in the project proposal), RAGs are to tick mark in the appropriate box				Score by RAG Member
			Not covered (0-5)	Marginally covered (6-10)	Moderately covered (11-15)	Fully covered (16-20)	
I	Comprehensiveness of literature review - whether gaps in knowledge on the issue have been clearly brought out	20				20	
II	Objectives - clarity towards meeting knowledge gaps and measurability	20				18	
III	Methodology - appropriateness in meeting the objectives	20				20	
IV	Statistical design and analysis tools - whether robust enough to support project methodology and to help in meeting project objectives	20				20	
V	Forward-backward linkages - how strongly the proposed project is based on the ongoing institutional programme and how the outputs are proposed to be integrated into the same for future programme / adoption of research by stakeholders / technology development	20				20	
VI	Total (Overall grading):	100					98
VII	Remarks if any by RAG members for improvement of the project		Good proposal, may be recommended.				

Note: The projects scoring 80 or more on the above technical parameters (based on average of scores by the RAG members present) are to be recommended by the institute RAGs to the RPC. The minimum criteria can be changed and fixed before the conclusion of each year RPC.

Signature 
28/9/2022

Part-I - Information about RAG Meeting		Part-II - Information about RAG member	
Name & Code of the Institute: Institute of Forest Productivity, Ranchi (JFP/RNO)		Name:-	Prof. K.K. Chandra
Date of Meeting: - 26th September, 2022		Organization:-	HOD, Dept of Forestry Gyan Ghasidas Vishwavidyalaya Bilaspur, C.G.

Project 1: Utilization of bacterial endophytes for the management of *Fusarium wilt* of *Dalbergia sissoo* in Bihar [PI - Ms. Ratna V, Scientist 'B']

Evaluation of projects by RAG members:

Sl. No.	Technical Criteria for Project Assessment	Max. Score	Grading of Technical Criteria's (Based on the criteria covered in the project proposal), RAGs are to tick mark in the appropriate box				Score by RAG Member
			Not covered (0-5)	Marginally covered (6-10)	Moderately covered (11-15)	Fully covered (16-20)	
I	Comprehensiveness of literature review - whether gaps in knowledge on the issue have been clearly brought out	20				17	
II	Objectives - clarity towards meeting knowledge gaps and measurability	20				20	
III	Methodology - appropriateness in meeting the objectives	20				20	
IV	Statistical design and analysis tools - whether robust enough to support project methodology and to help in meeting project objectives	20				18	
V	Forward-backward linkages - how strongly the proposed project is based on the ongoing institutional programme and how the outputs are proposed to be integrated into the same for future programme / adoption of research by stakeholders / technology development	20				20	
VI	Total (Overall Grading):		100				95
VII	Remarks if any by RAG members for improvement of the project		Good proposal. Recommended.				

Note: The projects scoring 80 or more on the above technical parameters (Based on average of scores by the RAG members present) are to be recommended by the institute RAGs to the RPC. The minimum criteria can be changed and fixed before the conduction of each year RPC.

Signature

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