

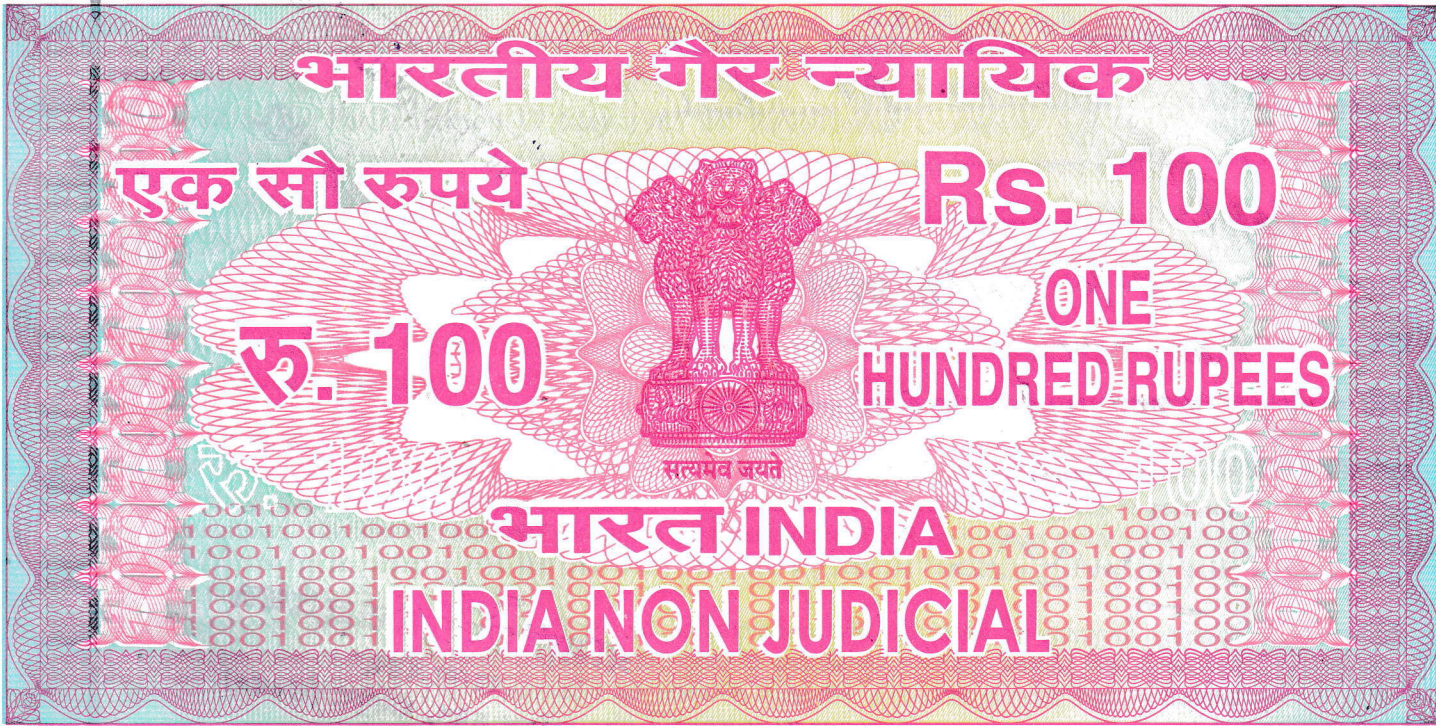


पंडित रविशंकर शुक्ल विश्वविद्यालय, रायपुर छत्तीसगढ़ भारत
Pt. Ravishankar Shukla University, Raipur Chhattisgarh, India
Estd-1964 – recognized by UGC U/s 2(f) and 12 (B)
NAAC “A” Grade

CRITERION-III

EVIDENCE(S), AS PER SOP

METRIC No. 3.7.2	Number of functional MoUs with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the year
<ul style="list-style-type: none">• List of activities conducted under each MoU• E-copy of the MOUs endorsed by both the parties	



छत्तीसगढ़ CHHATTISGARH

P 551871

**Umbrella Memorandum of Understanding
Between
ICAR-National Institute of Biotic Stress Management, Raipur
and
Pt. Ravishanker Shukla University, Raipur
for facilitating
Students Training/ Post Graduate Research/ Doctorate Research**

This Memorandum of Understanding (hereinafter referred to as MoU) is made on this **01** day of the month of **June** in the year **2022** by and between the **ICAR-National Institute of Biotic Stress Management** 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 **Pt. Ravishanker Shukla University, Raipur** (State University) having its headquarter at **Raipur** [hereinafter called "**PRSU**"/ 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 into long-term collaboration for promotion of students' training, quality postgraduate research and doctorate 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 **Biotic Stress in Agricultural Crops with major disciplines of Agricultural Biotechnology, Plant Pathology, Agricultural Entomology and Nematology, Weed Science** (specific mandated domain

within the approved disciplines/ divisions), WHEREAS, the "Second Party", established in 1964 following the Act No: 13, of Madhya Pradesh Vidhan Sabha, Bhopal, which was approved in the Parliament on 17 May 1963 as "Ravishankar University Act 1963", and recognized by the University Grants Commission, New Delhi, and is involved in **Teaching and Research in Biotechnology and Life Sciences including Plant Biotechnology, Plant Physiology, Microbiology, Biochemistry, Environmental Science, Mushroom Technology, Bioprocess Engineering, Chemistry, Computer Science, etc.**

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, M Tech 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, faculties 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 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 students 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/ researcher. 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 the Vice-Chancellor/ Head of the Institution of the Second party.
- 6.4 The First party would have the right to screen the students 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/ doctorate research, if found violating the rules and regulations lay 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 formalities of issuing certificates to such students until they compensate 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. 10,000.00 for training duration of 3 months (not leading to a degree/ dissertation) and Rs. 30,000.00 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.

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.

ICAR-National Institute of Biotic Stress Management, Baronda, Raipur (Name and Address of the First Party)	Pt. Ravishankar Shukla University Raipur (Name and Address of the Second Party)
<p style="text-align: center;">Dr. P. K. Ghosh Director ICAR-National Institute of Biotic Stress Management, Raipur, Chhattisgarh</p>	<p style="text-align: center;">Dr. S. K. Patel Registrar Pt. Ravishankar Shukla University Raipur, Chhattisgarh</p>
<p style="text-align: center;">Tel No. 0771-2225333</p>	<p style="text-align: center;">Tel. No. 0771-2262540</p>
<p style="text-align: center;">Date: 01 June 2022</p>	<p style="text-align: center;">Date: 01 June 2022</p>
<p style="text-align: center;">  निदेशक एवं कुलपति (Signature with Seal) Chancellor भाकअनुप-रा.जै.स्टे.प्र.सं., बरोंडा ICAR-N.I.B.S.M., Baronda, रायपुर-493 225, (छ.ग.) Raipur-493 225, (C.G.) 11/06/22 </p>	<p style="text-align: center;">  (Signature with Seal) REGISTRAR Pt. Ravishankar Shukla University RAIPUR (Chhattisgarh) </p>
<p>Witness 1 Dr P Kaushal (Joint Director, Research)</p>	<p>Witness 1 Dr SK Jadhav (Professor, Biotechnology)</p>
<p>Witness 2 Dr SK Jain (Principal Scientist, Plant Pathology)</p>	<p>Witness 2 Prof Keshav Kant Sahu (Professor & Head, Biotechnology)</p>



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L 973417

Place: Memorandum of Understanding

Between

Pt. Ravishankar Shukla University, Raipur

And

Chhattisgarh Council of Science and Technology, CCOST, Raipur

Noting that Pt. Ravishankar Shukla University (PRSU) has an active academic program of higher education, leading to the award of degrees in the fields of Science, Life Science, Social Science & Humanities, Management, Technology and Education.

Noting that Chhattisgarh Council of Science and Technology (CCOST), is a premier State institution of Ministry of Science & Technology, Government of Chhattisgarh. This institution is mandated to execute National Projects, provide Technical support to line departments of the state in capacity building, training and research of State officials in the field of Remote Sensing and GIS.

क्रमांक 5912 दिनांक 11/7/18
 विषय Payroll of B.S.S. officers
 मिवा जी रा. प्र. रायपुर (उ.प्र.)
 वाचक B.S.S.
 सेवा Di. Lett. General. G.O. Secy. of Secy. of
 मिवा जी Technology रायपुर, (उ.प्र.)
 वास्ते रा. प्र. वेतन की पत्र
 सेवा लेते बाबा



श्रीमती राज तिसकार (पुस्तक वेतन)
 अंधरेवा ताका, रायपुर (उ.प्र.) मो. 98261-95702 98263-73041

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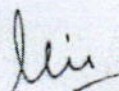
Recognizing that there is a need to offer the best opportunity for Indian and International students to benefit from obtaining professional degrees in the field of Remote Sensing and GIS thus contributing to the growth of awareness in the field of Remote Sensing and GIS technologies and their applications;

Realizing that the problems related to natural resources management can be addressed by means of application of Remote Sensing and GIS technology involving various stakeholders and building their capacity to address the upcoming challenges;

Realizing that collaboration between PRSU and CCOST would considerably leverage technical abilities of CCOST and PRSU and enable a framework for professional education and research programs in the field of Remote Sensing and GIS;

PRSU and CCOST hereby agrees to collaborate on:

- A 10-months Post Graduate Diploma programme in the field of Remote Sensing and GIS, which will be offered jointly by PRSU and CCOST.
- PRSU and CCOST will initiate 10-months programs, leading to award of PG Diplomas by PRSU.
- PRSU would admit the candidates with suitable eligibility for 10-months PG Diploma programs for award of **PG Diploma in Remote Sensing and GIS**. Fees, as prescribed by PRSU, will be payable by the students. PRSU will adjudicate the award PG Diploma to the candidates in the joint name of PRSU and CCOST.
- An Apex-Coordination Committee, consisting of the Member Director CGSAC, CCOST; Head of the Department, School of Studies in Geology & Water Resource Management; Head of the Department, School of Studies in Geography, PRSU and a Representative of Vice- Chancellor, PRSU will coordinate the program aspects and will recommend any actions to be taken by PRSU and CCOST towards the program. Scientist of CCOST will be the Member Secretary of the Apex-Coordination Committee.
- Both PRSU and CCOST will be involved in curriculum assessment and design, conduct of lectures/ practical/ field-work, examination and evaluation, project guidance and other aspects of the programs in



Criterion - III

3.2.2 - II GEM

Memorandum of Understanding

Between

Pt. Ravishankar Shukla University, Raipur

And

Chhattisgarh Council of Science and Technology, CCOST, Raipur

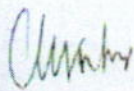
Noting that Pt. Ravishankar Shukla University (PRSU) has an active academic program of higher education, leading to the award of degrees in the fields of Science, Life Science, Social Science & Humanities, Management, Technology and Education.

Noting that Chhattisgarh Council of Science and Technology (CCOST), is a premier State institution of Ministry of Science & Technology, Government of Chhattisgarh. This institution is mandated to execute National Projects, provide Technical support to line departments of the state in capacity building, training and research of State officials in the field of Remote Sensing and GIS.

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conformity with rules and regulations of PRSU. A Representative of CCOST and Head of the Department SoSG&WRM, PRSU will work out all the details towards this and place them before the Apex committee.

- PRSU, through CCOST, will provide assistance at 'mutually agreed terms' to enhance capacity and further build capability of PRSU in the emerging and newer fields of Remote Sensing and GIS as required, including faculty exchange between PRSU and CCOST in the education and training.
- Any changes/modifications to the MoU will be as per the agreement arrived at by the Vice-Chancellor, PRSU and the Director General, CCOST. Such changes/ modifications shall be considered as part of this MoU. This MoU will be reviewed annually.
- This MoU shall come into force from 8th day of August 2018.

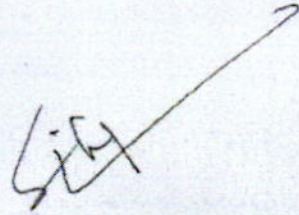
For 

Chhattisgarh Council of Science & Technology, Raipur, Chhattisgarh

Dr. S. Karmakar
Director
Chhattisgarh Space Applications Centre, Chhattisgarh Council of Science & Technology, Raipur, Chhattisgarh

Date: 08.08.2018
Director
C.G. Council of Science & Technology
Raipur (C.G.) 492014

Place: Raipur

For 

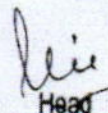
Pt. Ravishankar Shukla University, Raipur - 492 010, Chhattisgarh

Dr. Sandeep Vansutre
Registrar
Pt. Ravishankar Shukla University, Raipur, Chhattisgarh

Date: 08.08.2018

Place: Raipur

REGISTRAR
Pt. Ravishankar Shukla University
RAIPUR (Chhattisgarh)


Head



छत्तीसगढ़ CHHATTISGARH

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**Memorandum of Understanding
Between
Rajiv Gandhi National Ground Water Training & Research Institute, CGWB
And
Pt. Ravishankar Shukla University, Raipur**

Noting that Rajiv Gandhi National Ground Water Training & Research Institute (RGNGWTRI), is a premier national institution and training arm of Central Ground Water Board (CGWB), Ministry of Water Resources, River Development & Ganga Rejuvenation (MoWR, RD&GR), for capacity building, training and research in the field of ground water.

Noting that Pt. Ravishankar Shukla University (PRSU) has an active program of offering professional education, leading to award of degrees in the field of Geology and Water Resource Management.

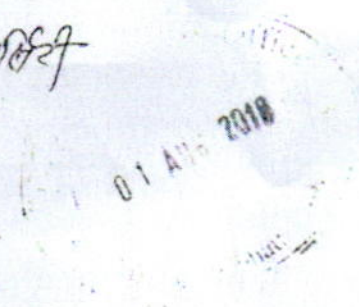
Recognizing that there is a need to offer the best opportunity for Indian and International students to benefit from obtaining professional degrees in the field of Ground Water thus

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क्रमांक 534/2018 दिनांक 8/8/18 पृष्ठ 100
 नाम श्रीमती ज्योतिबाई पंडितराविकांत शुक्ल शिववर्षी
 पिता / धर्म / पेशा मोहन शुक्ल
 पता वाराणसी
 राज्य उत्तर प्रदेश
 जिला वाराणसी
 तालुका वाराणसी
 पोस्टाफिस वाराणसी
 पिनकोड 221001
 शिक्षा पदवी
 पेशा गृहणीक
 आय निर्वाह
 निवासी पंचपेढा गाँव, वाराणसी जिला, उत्तर प्रदेश
 (व्यक्तिगत)



(Signature)
 (Name)
 (Designation)

(Signature)

contributing to the growth of the awareness of the ground water technologies and their applications;

Realizing that water and food security of the country can only be met through participatory ground water management involving various stakeholders and building their capacity to address the upcoming challenges;

Realizing that collaboration between RGNGWTRI and PRSU would considerably leverage technical abilities of RGNGWTRI and PRSU and enable a framework for professional education and research programs in field of Ground Water;

RGNGWTRI, CGWB and PRSU hereby agree to collaborate in two separate phases:

Phase I:

- i. A 10-months Post Graduate diploma will be offered jointly by RGNGWTRI and PRSU in field of Ground Water.
- ii. RGNGWTRI -PRSU will initiate 10-months programs, leading to award of PG Diplomas.
- iii. PRSU would admit the qualifying candidates for the 10-months PG Diploma programs for award of PG Diploma In Applied Hydrogeology. Fees, as prescribed by PRSU, will be payable by the students. PRSU will adjudicate the award PG Diploma to the candidates in joint name of RGNGWTRI and PRSU.
- iv. An Apex-Coordination Committee, consisting of the Member (RGNGWTRI) CGWB, Head, Department of School of Studies for Geology and Water Resource Management (SOSGWRM), PRSU and a Representative of Vice- Chancellor, PRSU will coordinate the program aspects and will recommend any actions to be taken by RGNGWTRI and PRSU towards the program. The Regional Director, RGNGWTRI will be the Member Secretary of the Apex-Coordination Committee.
- v. Both RGNGWTRI and PRSU will be involved in curriculum assessment, conduct of lectures/practical/field-work, examination and evaluation, project guidance and other aspects of the programs in conformity with rules and regulations of PRSU. The Regional Director, RGNGWTRI and Head of the Department SOSGWRM, PRSU will work out all the details towards this.
- vi. RGNGWTRI, through CGWB, will provide assistance as 'mutually agreed' to enhance capacity and further build capability of PRSU in the emerging and newer fields of ground water as required, including faculty exchange between PRSU and RGNGWTRI in the education and training.
- vii. Any changes/modifications to the MoU will be as agreed to by Chairman, CGWB and Vice-Chancellor, PRSU. The MoU will be reviewed on annual basis.

Phase II:

During the Phase II the scope for Academic Interaction shall be worked out. Both PRSU and RGNGWTRI shall encourage interaction between the Faculty, Scientists, Engineers, Research Fellows, Research Scholars and Students of both the organizations through the following arrangements:

- i. **Joint Research Projects:** PRSU Faculty and RGGWTRI Scientists will undertake user oriented joint sponsored research projects according to the following terms:
 - a. Project proposal will be formulated jointly by the concerned Faculty/ Scientists of the two organizations;
 - b. Proposal would require the approval of both the organizations;

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- II. **Exchange of Faculty/ Scientists:** Both PRSU and RGGWTRI agree to exchange Faculty/ Scientists on part-time basis for the purpose of implementation of joint tasks.
- III. **Sharing of Important Facility:** The two organization's agree to share their important R&D facilities.
- IV. **Joint Conferences/ Workshop/ Courses:** Both the organization's agree to hold / conduct wherever feasible, joint conferences/ workshops/ training courses in the areas of mutual interest.
- V. **Joint PhD Programme:** The Scientists working at RGGWTRI on a regular post and having a MSc/ME/MTech or equivalent degree from a reputed Institution/ University would be eligible to register at PRSU for PhD program as per the norms of PhD registration. For the candidates recommended by RGGWTRI as Junior or Senior Research Fellows (JRF/SRF), selected under any joint research project, there will be a provision of joint supervision of the PhD students, as per the PhD registration norms of PRSU. Such candidates shall be treated as full-time PhD students by PRSU. RGGWTRI JRF/SRF shall be registered under the joint supervision of a PhD guide from RGGWTRI and PRSU and the guide will be co-opted as Member of DRC/ RDC of PRSU for JRF/SRF registered under him.
- VI. **Intellectual Property Rights (IPR):** The IPR that arises as a result of joint research and collaborative activity under the agreement will be worked out on a case-to-case basis and will be consistent with the officially laid down IPR policies of both the organizations.

- A committee comprising of the following members will coordinate and monitor the collaboration between the two organizations:

- a. Vice-Chancellor, PRSU or his nominee
- b. Regional Director, RGGWTRI or his nominee
- c. Two representatives from PRSU – one of whom acts as a Coordinator from PRSU
- d. Two representatives from RGGWTRI – one of whom acts as a Coordinator from RGGWTRI

- It is mutually agreed to share the financial resources generated through any of the above activities to be contributed for "Bharat Kosh".

- This MoU shall come in force from the 22nd Day of October in the year Two Thousand Eighteen.

G. C. Pati
 Member
 CGWB
 G. C. Pati
 Member
 Central Ground Water Board

S. K. Singh
 Registrar
 Pt. Ravishankar Shukla University,
 Raipur
 REGISTRAR
 Pt. Ravishankar Shukla University
 RAIPUR (Chhattisgarh)

U. S. Singh
 Head
 School of Studies in Geology & WRM
 Pt. Ravishankar Shukla University
 Raipur-492010 (C.G.)