



हिमाचल प्रदेश केन्द्रीय विश्वविद्यालय
CENTRAL UNIVERSITY OF HIMACHAL PRADESH

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ईमेल : kuldeepagnihotri@gmail.com
vc.cuhimachal@gmail.com
वेबसाइट : www.cuhimachal.ac.in

डॉ. कुलदीप चंद अग्निहोत्री
कुलपति

फाइल सं. : 1-8/हि.प्र.के.वि./शैक्षणिक/ 2010/समझौता ज्ञापन/ 3164

दिनांक : 03.06.2020

सेवा में,

प्रो.अन्नपूर्णा नौटियाल
कुलपति
हेमवती नंदन बहुगुणा गढ़वाल विश्वविद्यालय
श्रीनगर गढ़वाल
उत्तराखंड

महोदया,

हिमाचल प्रदेश केन्द्रीय विश्वविद्यालय की ओर से हार्दिक शुभकामनाएं !

हिमाचल प्रदेश केन्द्रीय विश्वविद्यालय प्रस्तावित इंडियन हिमालयन सेंट्रल यूनिवर्सिटी कंसोर्टियम (IHCUC), जिसका एक सदस्य हिमाचल प्रदेश केन्द्रीय विश्वविद्यालय भी है, की ओर से कंसोर्टियम के संस्थापक सदस्यों के परामर्श से विश्वविद्यालय अनुदान आयोग तथा अन्य एजेंसियों में प्रस्तावों को जमा कराने तथा इस कंसोर्टियम को बनाने हेतु नीति आयोग तथा/अथवा अन्य एजेंसियों के समक्ष प्रतिनिधित्व करने के लिए कुलपति, हेमवती नंदन बहुगुणा गढ़वाल विश्वविद्यालय को प्राधिकृत करते हुए संलग्न आशय पत्र पर अपनी सहमति प्रदान करता है।

प्रो. (डॉ.) कुलदीप चंद अग्निहोत्री
कुलपति, हिमाचल प्रदेश केन्द्रीय विश्वविद्यालय

संलग्न : यचोपारि

आशय पत्र (Letter of Intent)

भारत के हिमालयी क्षेत्र में स्थित निम्नलिखित 13 केंद्रीय विश्वविद्यालय और सीएसआईआर-आईएचबीटी, पालमपुर, हिमाचल प्रदेश द्वारा आपसी सहयोग से “इंडियन हिमालयन सेंट्रल यूनिवर्सिटीज कंसोर्टियम” (IHCUC) नाम से, जिसे आगे कंसोर्टियम के रूप में संदर्भित किया गया है, एक कंसोर्टियम गठित करने का आशय है, जिसकी रूपरेखा और उद्देश्य नीचे प्रस्तुत हैं। निम्नोक्त विश्वविद्यालय और सीएसआईआर-आईएचबीटी पालमपुर दिए गए उद्देश्यों की पूर्ति के लिए एक संयुक्त समझौता ज्ञापन करने का भी आशय रखते हैं।

1. असम विश्वविद्यालय, सिलचर
2. हिमाचल प्रदेश केंद्रीय विश्वविद्यालय धर्मशाला
3. जम्मू केंद्रीय विश्वविद्यालय
4. कश्मीर केंद्रीय विश्वविद्यालय
5. सीएसआईआर –आईएचबीटी, पालमपुर हिमाचल प्रदेश
6. हेमवती नंदन बहुगुणा गढ़वाल विश्वविद्यालय
7. मणिपुर विश्वविद्यालय
8. मिजोरम विश्वविद्यालय
9. नागालैंड विद्यालय
10. नॉर्थ ईस्टर्न हिल यूनिवर्सिटी
11. राजीव गांधी विश्वविद्यालय, ईटानगर
12. सिक्किम विश्वविद्यालय, गंगटोक
13. तेजपुर विश्वविद्यालय
14. त्रिपुरा विश्वविद्यालय

रूपरेखा:

उपर्युक्त केंद्रीय विश्वविद्यालय और सीएसआईआर-आईएचबीटी, पालमपुर कंसोर्टियम के संस्थापक सदस्य होंगे।

उद्देश्य:

- कंसोर्टियम के सदस्यों के मध्य आपसी विचारों का आदान-प्रदान बढ़ाना, विशेषज्ञता साझा करना और वृत्तिक उत्कृष्टता को बढ़ावा देना
- कंसोर्टियम अथवा अन्य एजेंसियों द्वारा वित्तपोषण के लिए संयुक्त प्रस्ताव तैयार एवं जमा कराना
- भारतीय हिमालयी क्षेत्र के सामाजिक-आर्थिक तथा पर्यावरणीय मुद्दों में शोध को बढ़ावा देना
- भारतीय हिमालयी क्षेत्र से जुड़े मुद्दों पर, जहां भी आवश्यक हो, अन्य अतिरिक्त साझेदारों सहित संयुक्त रूप से क्षेत्रीय/ राष्ट्रीय कार्यशाला/ सेमिनार/ सम्मेलनों का आयोजन

हिमाचल प्रदेश केंद्रीय विश्वविद्यालय उपर्युक्त 14 संस्थापक सदस्यों द्वारा संयुक्त रूप से दिए गए इस आशय पत्र के लिए अपनी सहमति प्रदान करता है।



सी.एस.आई.आर-हिमालय जैवसंपदा प्रौद्योगिकी संस्थान
(वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद्)
पो. बॉ. नं. 6 पालमपुर - 176 061 (हि.प्र.) भारत
CSIR-INSTITUTE OF HIMALAYAN BIORESOURCE TECHNOLOGY
(Council of Scientific & Industrial Research)
Post Box No. 6 Palampur (H.P.) 176 061 INDIA



डॉ. संजय कुमार, एफ.एन.ए.एस.सी., एफ.एन.ए.एस.सी., एफ.सी.आई.एस.आई.,

निदेशक

Dr. Sanjay Kumar, FNASc, FNAASc, FCISI

Director

Letter of Intent

Listed below 13 Central Universities and CSIR-IHBT, Palampur (HP) in Himalayan Region of India intent to collaborate to form a consortium designated as "Indian Himalayan Central Universities Consortium (IHCUC) herein referred as "Consortium", with framework and objectives as given under. These Universities and CSIR-IHBT, Palampur also intend to participate in a joint Memorandum of Understanding (MoU) in fulfilling the stated objectives.

1. Assam University, Silchar
2. Central University of Himachal Pradesh
3. Central University of Jammu
4. Central University of Kashmir
5. CSIR-Institute of Himalayan Bioresource Technology, Palampur (HP)
6. HNB Garhwal University
7. Manipur University
8. Mizoram University
9. Nagaland University
10. North Eastern Hill University
11. Rajiv Gandhi University, Itanagar
12. Sikkim University, Gangtok
13. Tezpur University
14. Tripura University

Framework:

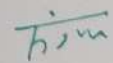
- The above stated Central Universities and CSIR-IHBT, Palampur will be the founding members of the 'Consortium'.

Objectives:

- Promote exchange of ideas, share expertise and professional excellence among members of Consortium
- To develop and submit joint proposals for funding by the Consortium or other agencies
- To promote research on socio-economic and environmental issues in Indian Himalayas
- Jointly organize, also with other additional partners, wherever required, regional/national workshops/seminars/ conferences on issues of Indian Himalayan Region.

CSIR-IHBT, Palampur gives its consent to the joint intent of 14 founding members as given above.

Place: Palampur
Date: 09 June 2020


(Sanjay Kumar)

प्रो० अशोक ऐमा
कुलपति
Prof. Ashok Aima
Vice Chancellor



जम्मू केंद्रीय विश्वविद्यालय
Central University of Jammu
टेलिफैक्स / Telefax : 01923-249634(0)
ई-मेल / e-mail : vicechancellor.cuj@gmail.com
No. CUJ/VC/PS/2019/15/974
Dated: 02-06-2020

Central University Jammu gives its consent to the Vice-Chancellor HNB Garhwal University to represent the proposed Indian Himalayan Central University Consortium (IHCUC) to Niti Aayog and/or other agencies for submitting proposals to the UGC or other agencies and formalsing the said Consortium in consultation with the founding members.

Ashok Aima
(Prof. Ashok Aima) 2/6/2020

Prof. Annpurna Nautiyal
Vice-Chancellor,
HNB Garhwal University,
Srinagar Garhwal, Uttarakhand



Letter of Intent

Listed below 13 Central Universities and CSIR-IHBT, Palampur (HP) in Himalayan Region of India intent to collaborate to form a consortium designated as "Indian Himalayan Central Universities Consortium (IHCUC) herein referred as "Consortium", with framework and objectives as given under. These Universities and CSIR IHBT, Palampur also intend to participate in a joint Memorandum of Understanding (MoU) in fulfilling the stated objectives.

1. Assam University, Silchar
2. Central University of Himachal Pradesh
3. Central University of Jammu
4. Central University of Kashmir
5. CSIR-IHBT Palampur (HP)
6. HNB Gharwal University
7. Manipur University
8. Mizoram University
9. Nagaland University
10. North Eastern Hill University
11. Rajiv Gandhi University, Itanagar
12. Sikkim University, Gangtok
13. Tezpur University
14. Tripura University

Framework:

- The above stated Central Universities and CSIR, HBT, Palampur will be the founding members of the 'Consortium'.

Objectives:

- Promote exchange of ideas, share expertise and professional excellence among members of Consortium
- To develop and submit joint proposals for funding by the Consortium or other agencies
- To promote research on socio-economic and environmental issues in Indian Himalayas

Ashok Aima

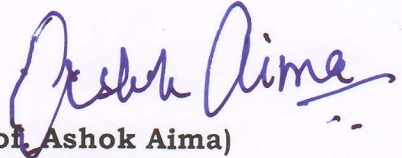


- Jointly organize, also with other additional partners, wherever required, regional/national workshops/seminars/ conferences on issues of Indian Himalayan Region.

Central University Jammu gives its consent to the joint intent of 14 founding members as given above.

Place:
Date:

Jammu
21/6/2020


(Prof. Ashok Aima)
Vice-Chancellor



कश्मीर केन्द्रीय विश्वविद्यालय Central University of Kashmir

केन्द्रीय विश्वविद्यालय (संशोधन) अधिनियम, २००९ के अंतर्गत स्थापित
Established Under Central Universities (Amendment) Act, 2009



Prof. Mehraj Uddin Mir
Vice-Chancellor

NO: CUK/MS/VC-26/2015/523
Dt: 18.06.2020

Letter of Consent

Central University of Kashmir gives its consent to the Vice Chancellor HNB Garhwal University to represent the proposed Indian Himalayan Consortium (IHUCC) to Nitiayog and/or other agencies for submitting proposals to UGC or other agencies & formalising the said consortium in consultation with the funding members


Prof. Mehraj Uddin Mir
Vice-Chancellor
केन्द्रीय विश्वविद्यालय कश्मीर
CENTRAL UNIVERSITY OF KASHMIR



कश्मीर केन्द्रीय विश्वविद्यालय Central University of Kashmir

केन्द्रीय विश्वविद्यालय (संशोधन) अधिनियम, २००९ के अंतर्गत स्थापित
Established Under Central Universities (Amendment) Act, 2009



Prof. Mehraj Uddin Mir
Vice-Chancellor

Letter of Intent

No: Cukums/vc-26/2015/sr
Dt: 18.06.2020

Listed below 13 Central Universities and CSIR-IHBT, Palampur (HP) in Himalayan Range of India intent to collaborate to form a consortium designated as "INDIAN HIMALAYAN CENTRAL UNIVERSITIES CONSORTIUM (IHUCC) herein referred as consortium, with frameworks and objectives as given under these universities and CSIR (IHBT), Palampur also intent to participate in a join memorandum of understanding (MoU) in fulfilling the stated objectives.

1. Assam University, Silchar
2. Central university of Himachal Pradesh
3. Central university of Jammu
4. Central University of Kashmir
5. CSIR-IHBT Palampur (HP)
6. HNB Garhwal University UT
7. Manipur University
8. Mizoram University
9. Nagaland University
10. North Eastern Hill University (NEHU), Meghalaya.
11. Rajiv Gandhi University Itanagar
12. Central Sikkim University, Gangtok
13. Tezpur University
14. Tripura University

Framework

The above stated universities and CSIR, HBT, Palampur will be the founding members of the 'Consortium'.

Objectives

- Promote exchange of ideas share expertise & professional excellence among members of consortium,
- To develop & submit joint proposals for funding by the Consortium or other agencies.
- To promote research on socio-economic & environment issues in Indian Himalayas.
- Jointly organise, also with other additional partners wherever required, Regional/National Workshops/Seminars conferences issues of Indian Himalayan Region.

Central University of Kashmir, gives its consent to the joint intent of 14 founding members as given above.

Place **Ganderbal**

Date **18.06.2020**


Prof. Mehraj Uddin Mir
Vice-Chancellor
केन्द्रीय विश्वविद्यालय कश्मीर
CENTRAL UNIVERSITY OF KASHMIR



प्रशासनिक परिसर : नवगाम, बाय-पास निकट पुहरो क्रॉसिंग, श्रीनगर - 190015 (जे एण्ड के)
Admin. Campus : Nowgam, By Pass Near Puhroo Crossing, Srinagar - 190015 (J&K)
Phone : 0194-2315271, email : vc@cukashmir.ac.in ; website : www.cukashmir.ac.in

6 माइल, सामदुर, तादोंग -737102
गंगटोक, सिक्किम, भारत
फोन-03592-251067, 251073
वेबसाइट - www.cus.ac.in



सिक्किम विश्वविद्यालय SIKKIM UNIVERSITY

(भारत के संसद के अधिनियम द्वारा वर्ष 2007 में स्थापित और नैक (एनएएसी) द्वारा वर्ष 2015 में प्रत्यायित केंद्रीय विश्वविद्यालय)
(A central university established by an Act of Parliament of India in 2007 and accredited by NAAC in 2015)

6th Mile, Samdur, Tadong -737102
Gangtok, Sikkim, India
Ph. 03592-251067, 251073
Website: www.cus.ac.in

The Vice-Chancellor

Date : 21/06/2020

Sc/2019-26/126

To,

Prof. Annapurn Nautiyal
Vice-Chancellor
HNB Garhwal University
Srinagar Garhwal
Uttarakhand

Dear Madam,

Greetings from Sikkim University!

Sikkim University, Gangtok gives its consent to the Vice-Chancellor HNB Garhwal University to represent the proposed Indian Himalayan Central University Consortium (IHCUC) to Niti Aayog and/or other agencies for submitting proposals to the UGC or other agencies and formalising the said Consortium in consultation with the founding members.

Yours sincerely,

(Prof. Avinash Khare)
Vice-Chancellor

कुलपति
Vice-Chancellor
सिक्किम विश्वविद्यालय
Sikkim University

Letter of Intent

Listed below 13 Central Universities and CSIR-IHBT, Palampur (HP) in Himalayan Region of India intent to collaborate to form a consortium designated as "Indian Himalayan Central Universities Consortium (IHCUC) herein referred as "Consortium", with framework and objectives as given under. These Universities and CSIR IHBT, Palampur also intend to participate in a joint Memorandum of Understanding (MoU) in fulfilling the stated objectives.

1. Assam University, Silchar
2. Central University of Himachal Pradesh
3. Central University of Jammu
4. Central University of Kashmir
5. CSIR-IHBT Palampur (HP)
6. HNB Gharwal University
7. Manipur University
8. Mizoram University
9. Nagaland University
10. North Eastern Hill University
11. Rajiv Gandhi University, Itanagar
12. Sikkim University, Gangtok
13. Tezpur University
14. Tripura University

Framework:


- The above stated Central Universities and CSIR, HBT, Palampur will be the founding members of the 'Cosortium'.

Objectives:

- Promote exchange of ideas, share expertise and professional excellence among members of Consortium
- To develop and submit joint proposals for funding by the Consortium or other agencies
- To promote research on socio-economic and environmental issues in Indian Himalayas
- Jointly organize, also with other additional partners, wherever required, regional/national workshops/seminars/ conferences on issues of Indian Himalayan Region.

Sikkim University, Gangtok gives its consent to the joint intent of 14 founding members as given above.

Place: Gangtok
Date: 2/06/2020


(Prof. Avinash Khare)
Vice-Chancellor

कुलपति
Vice-Chancellor
सिक्किम विश्वविद्यालय
Sikkim University

प्रोफेसर दिलीप चन्द्र नाथ

Prof. Dilip Chandra Nath



कुलपति

Vice-Chancellor

असम विश्वविद्यालय

(एक केन्द्रीय विश्वविद्यालय)

सिलचर 788011 असम, भारत

ASSAM UNIVERSITY

(A Central University)

Silchar 788011, Assam, India

F. : 7-45/VCS/2020/

Date : 3.6.2020

Letter of Intent

Listed below 13 Central Universities and CSIR-IHBT, Palampur (HP) in Himalayan Region of India intent to collaborate to form a consortium designated as "Indian Himalayan Central Universities Consortium (IHCUC) herein referred as "Consortium", with framework and objectives as given under. These Universities and CSIR IHBT, Palampur also intend to participate in a joint Memorandum of Understanding (MoU) in fulfilling the stated objectives.

1. Assam University, Silchar
2. Central University of Himachal Pradesh
3. Central University of Jammu
4. Central University of Kashmir
5. CSIR-IHBT Palampur (HP)
6. HNB Gharwal University
7. Manipur University
8. Mizoram University
9. Nagaland University
10. North Eastern Hill University
11. Rajiv Gandhi University, Itanagar
12. Sikkim University, Gangtok
13. Tezpur University
14. Tripura University

Framework:

- The above stated Central Universities and CSIR, HBT, Palampur will be the founding members of the 'Consortium'.

Objectives:

- Promote exchange of ideas, share expertise and professional excellence among members of Consortium
- To develop and submit joint proposals for funding by the Consortium or other agencies
- To promote research on socio-economic and environmental issues in Indian Himalayas
- Jointly organize, also with other additional partners, wherever required, regional/national workshops/seminars/ conferences on issues of Indian Himalayan Region.

Assam University, Silchar gives its consent to the joint intent of 14 founding members as given above.

Place: Silchar

Date: 4/6/2020

(Prof. Dilip Ch Nath)
Vice-Chancellor



Tezpur University

(A Central University)

Tezpur - 784028

Assam, India

Professor V. K. Jain, D.Phil (UK)

Vice-Chancellor

- **Visitor's Best University Award - 2016**
- **NIRF India Rankings 2016 : 05**
- **NIRF 2019, Univ : 29, Overall : 48**
- **Accredited with 'A' Grade by NAAC**
- **THE Asia Rankings 2018 : 100**
- **THE World Best Small Univ. 2018 - 20th**
- **QS Ranking 2020 : IND - 35, BRICS - 146**

Phone : 03712-267003 (0)

Fax : 03712-267006 (0)

E-mail : vc@tezu.ernet.in

TU/VC/1(I)/2020/128

16 June 2020

To,

Prof. Annpurna Nautiyal
Vice-Chancellor
HNB Garhwal University
Srinagar, Garhwal
Uttarakhand, India, 246174

Dear Madam,

Greetings from Tezpur University!

Tezpur University, Tezpur gives its consent to the Vice Chancellor HNB Garhwal University to represent the proposed Indian Himalayan Central University Consortium (IHCUC) to Niti Aayog and /or other agencies for submitting proposals to the UGC or other agencies and formalizing the said Consortium in Consultation with the founding members.

Yours sincerely,

(V. K. Jain)

Vice- Chancellor



Tezpur University

(A Central University)

Tezpur - 784028

Assam, India

Professor V. K. Jain, D.Phil (UK)

Vice-Chancellor

• **Visitor's Best University Award - 2016**

• **NIRF India Rankings 2016 : 05**

• **NIRF 2019, Univ : 29, Overall : 48**

• **Accredited with 'A' Grade by NAAC**

• **THE Asia Rankings 2018 : 100**

• **THE World Best Small Univ. 2018 - 20th**

• **QS Ranking 2020 : IND - 35, BRICS - 146**

Phone : 03712-267003 (0)

Fax : 03712-267006 (0)

E-mail: vc@tezu.ernet.in

Letter of Intent

Listed below 13 Central Universities and CSIR- IHBHT, Palampur (HP) in Himalayan Region of India intent to collaborate to form a consortium designated as "Indian Himalayan Central Universities Consortium (IHCUC) here in referred as "Consortium", with framework and objectives as given under. These Universities and CSIR IHBHT, Palampur also intend to participate in a Joint Memorandum of Understanding (MoU) in fulfilling the stated objectives.

- 1) Assam University, Silchar
- 2) Central University of Himachal Pradesh
- 3) Central University of Jammu
- 4) Central University of Kashmir
- 5) CSIR- IHBHT Palampur (HP)
- 6) HNB Gharwal University
- 7) Manipur University
- 8) Mizoram University
- 9) Nagaland University
- 10) North eastern Hill University
- 11) Rajiv Gandhi University, Itanagar
- 12) Sikkim University, Gangtok
- 13) Tezpur University
- 14) Tripura University

Frame work:

The above stated Central Universities and CSIR, HBT, Palampur will be the founding members of the 'Consortium'.

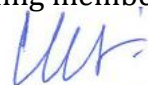
Objectives:

- Promote exchange of ideas, share expertise and professional excellence among members of consortium
- To develop and submit joint proposals of funding by the Consortium or other agencies.
- To promote research on socio- economic and environmental issues in Indian Himalayas
- Jointly organize, also with other additional partners, wherever required, regional/national workshops/ seminars/ conferences on issues of Indian Himalayan Region.

Tezpur University, Tezpur gives its consent to the Joint intent of 14 founding members as given above.

Place : Tezpur University

Date : 16 June 2020


(V. K. Jain)
Vice Chancellor



पूवोत्तर पर्वतीय विश्वविद्यालय
पू. प. विवि. परिसर, शिलांग-७९३०२२ (मेघालय)
North-Eastern Hill University
NEHU Campus, Shillong - 793 022 (Meghalaya)

Phone :
Grams : NEHU

Prof. S.K. Srivastava
Vice-Chancellor

Telephone Nos 0364-2550101/2721003/4 (0)

Fax No.0364-2550076/2551634

e-mail: vcnehu@nehu.ac.in

No.F.28-6/Acad/AC/2019/66

June 18, 2020

Letter of Consent

The North-Eastern Hill University, Shillong gives its consent to the Vice-Chancellor, HNB Garhwal University, Srinagar (Garhwal) to represent the proposed Indian Himalayan Central Universities' Consortium (IHCUC) to NITI Aayog and / any other agency to submit proposal to the UGC / any other agency, and formalising the same on behalf of the Consortium of the Founding Members.

(Sri Krishna Srivastava)

कुलपति/Vice-Chancellor
पूवोत्तर पर्वतीय विश्वविद्यालय
North Eastern Hill University
शिलांग/ Shillong

प्रो. साकेत कुशवाहा

कुलपति

Prof. Saket Kushwaha
Vice Chancellor



राजीव गाँधी विश्वविद्यालय

केंद्रीय विश्वविद्यालय

रोनोहिल्स, दोइमुख- ७९१ ११२

अरुणाचल प्रदेश, भारत

Rajiv Gandhi University

Central University

Rono Hills, Doimukh – 791 112

Arunachal Pradesh, India

No.RGU/VCS/CHU/2020

June 2, 2020

To

Prof. Annpurna Nautiyal
Vice-Chancellor
HNB Garhwal University
Srinagar Garhwal
Uttarakhand

Dear Madam,

Greetings from Rajiv Gandhi University!

Rajiv Gandhi University, Arunachal Pradesh gives its consent to the Vice-Chancellor HNB Garhwal University to represent the proposed Indian Himalayan Central University Consortium (IHCUC) to Niti Aayog and/or other agencies for submitting proposals to the UGC or other agencies and formalising the said Consortium in consultation with the founding members.

Yours sincerely,

Saket Kushwaha



No.RGU/VCS/CHU/2020

June 2, 2020

Letter of Intent

Listed below 13 Central Universities and CSIR-IHBT, Palampur (HP) in Himalayan Region of India intent to collaborate to form a consortium designated as “Indian Himalayan Central Universities Consortium (IHCUC) herein referred as “Consortium”, with framework and objectives as given under. These Universities and CSIR IHBT, Palampur also intend to participate in a joint Memorandum of Understanding (MoU) in fulfilling the stated objectives.

1. Assam University, Silchar
2. Central University of Himachal Pradesh
3. Central University of Jammu
4. Central University of Kashmir
5. CSIR-IHBT Palampur (HP)
6. HNB Gharwal University
7. Manipur University
8. Mizoram University
9. Nagaland University
10. North Eastern Hill University
11. Rajiv Gandhi University, Itanagar
12. Sikkim University, Gangtok
13. Tezpur University
14. Tripura University

Framework:

- The above stated Central Universities and CSIR, HBT, Palampur will be the founding members of the ‘Consortium’.

Objectives:

- Promote exchange of ideas, share expertise and professional excellence among members of Consortium
- To develop and submit joint proposals for funding by the Consortium or other agencies
- To promote research on socio-economic and environmental issues in Indian Himalayas
- Jointly organize, also with other additional partners, wherever required, regional/national workshops/seminars/ conferences on issues of Indian Himalayan Region.

Rajiv Gandhi University, Rono Hills, Arunachal Pradesh gives its consent to the joint intent of 14 founding members as given above.

Place: Rono Hills

Date :02.06.2020

Saket Kushwaha

Vice-Chancellor

नागालैण्ड
NAGALAND



विश्वविद्यालय
UNIVERSITY

Speed Post

(संसद द्वारा पारित अधिनियम 1989, क्रमांक 35 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
(A Central University Established by the Act of Parliament No.35 of 1989)

मुख्यालय : लुमामी, जिला : जुन्हेबोटो (नागालैण्ड), पिन कोड - 798 627

Headquarters: Lumami, District: Zunheboto (Nagaland), Pin Code - 798 627

No. NUL/RDC-26/IHCUC/2020 - 365

Dated: 03.06.2020

To

Prof. Annpurna Nautiyal
Vice-Chancellor
HNB Garhwal University
Srinagar Garhwal
Uttarakhand - 246174

Sub: Indian Himalayan Central University Consortium (IHCUC) – reg.

Madam,

Nagaland University, Lumami gives its consent to the Vice-Chancellor HNB Garhwal University to represent the proposed Indian Himalayan Central University Consortium (IHCUC) to Niti Aayog and/or other agencies for submitting proposals to the UGC or other agencies and formalising the said Consortium in consultation with the founding members.

Yours faithfully,

(PARDESHI LAL)
Vice-Chancellor

नागालैण्ड
NAGALAND



विश्वविद्यालय
UNIVERSITY

(संसद द्वारा पारित अधिनियम 1989, क्रमांक 35 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
(A Central University Established by the Act of Parliament No.35 of 1989)

मुख्यालय : लुमामी, जिला : जुन्हेबोटो (नागालैण्ड), पिन कोड - 798 627

Headquarters: Lumami, District: Zunheboto (Nagaland), Pin Code - 798 627

No. NUL/RDC-26/IHCUC/2020 - 366

Dated: 03.06.2020

Letter of Intent

Listed below 13 Central Universities and CSIR-IHBT, Palampur (HP) in Himalayan Region of India intent to collaborate to form a consortium designated as "Indian Himalayan Central Universities Consortium (IHCUC) herein referred as "Consortium", with framework and objectives as given under. These Universities and CSIR IHBT, Palampur also intend to participate in a joint Memorandum of Understanding (MoU) in fulfilling the stated objectives.

1. Assam University, Silchar
2. Central University of Himachal Pradesh
3. Central University of Jammu
4. Central University of Kashmir
5. CSIR-IHBT Palampur (HP)
6. HNB Gharwal University
7. Manipur University
8. Mizoram University
9. Nagaland University
10. North Eastern Hill University
11. Rajiv Gandhi University, Itanagar
12. Sikkim University, Gangtok
13. Tezpur University
14. Tripura University

Framework:

- The above stated Central Universities and CSIR, HBT, Palampur will be the founding members of the 'Consortium'.

Objectives:

- Promote exchange of ideas, share expertise and professional excellence among members of Consortium
- To develop and submit joint proposals for funding by the Consortium or other agencies
- To promote research on socio-economic and environmental issues in Indian Himalayas
- Jointly organize, also with other additional partners, wherever required, regional/national workshops/seminars/ conferences on issues of Indian Himalayan Region.

Nagaland University, Lumami gives its consent to the joint intent of 14 founding members as given above.

(PARDESHI LAL)
Vice-Chancellor



No MU/VC/Admtr/2018/1

Dated 19 May 2020

Letter of Intent

Listed below 13 Central Universities and CSIR-IHBT, Palampur Range of India intent to collaborate to form a consortium designated as “ Indian Himalayan Central Universities Consortium (IHUCC), herein referred as consortium, with framework and objectives as given under these universities and CSIR (IHBT), Palampur also intent to participate in a join Memorandum of Understanding (MoU) in fulfilling the stated objectives.

1. Assam University, Silchar
2. Central University of Himachal Pradesh
3. Central University of Jammu
4. Central university of Kashmir
5. CSIR-IHBT Palampur (HP)
6. HNB Garhwal University
7. Manipur University
8. Manipur University
9. Nagaland University
10. North Eastern Hill University (NEHU), Meghalaya
11. Rajiv Gandhi University, Itanagar
12. Central Sikkim University, Gangtok
13. Tezpur University
14. Tripura University

Framework

The above stated universities and CSIR-IHBT Palampur will be the founding members of the ‘Consortium’.

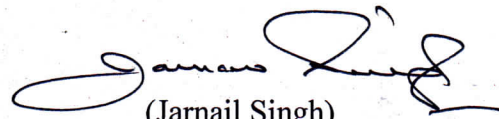
Objectives

- Promote exchange of ideas share expertise & professional excellence among members of consortium
- To develop & submit joint proposal for funding by the consortium or other agencies.
- To promote research on socio-economic & environment issues in Indian Himalayas
- Jointly organise, also with other additional partners wherever required, Regional/National Workshops/Seminars Conferences issues of Indian Himalayan Region.

Manipur University gives its consent to joint Intent of 14 founding members as stated above.

Place Imphal

Date 19-06-2020


(Jarnail Singh)
Vice Chancellor



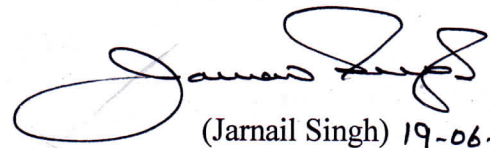
মণিপুর বিশ্ববিদ্যালয়
MANIPUR UNIVERSITY
Canchipur, Imphal - 795 003
Manipur, India

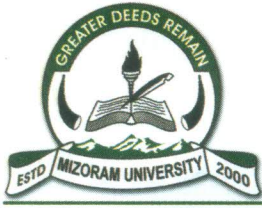
No MU/VC/Admtr/2018/1

Dated 19 May 2020

Letter of Consent

Manipur University gives its consent to the Vice Chancellor HNB Grahwal University to represent the proposed Indian Himalayan Consortium (IHUCC) to Nitiayog and /or other agencies for submitting proposal to UGC or other agencies & formalising the said consortium in consultation with the funding members.


(Jarnail Singh) 19-06-2020
Vice Chancellor



मिजोरम विश्वविद्यालय
MIZORAM UNIVERSITY
AIZAWL - 796004

Post Box No.190

Gram : MZU

Phone:0389-2330654

Fax : 0389-2330834

Email:registrar@mzu.edu.in

Website : www.mzu.edu.in

A CENTRAL UNIVERSITY CREATED BY AN ACT OF PARLIAMENT OF INDIA भारतीय संसद द्वारा पारित एफ्ट के अर्न्तगत स्थापित एक केन्द्रीय विश्वविद्यालय

To,

Prof. Annpurna Nautiyal
Vice-Chancellor
HNB Garhwal University
Srinagar Garhwal
Uttarakhand

Dear Madam,

Greetings from Mizoram University!

Mizoram University, Aizawl gives its consent to the Vice-Chancellor HNB Garhwal University to represent the proposed Indian Himalayan Central University Consortium (IHCUC) to Niti Aayog and/or other agencies for submitting proposals to the UGC or other agencies and formalising the said Consortium in consultation with the founding members.

Yours sincerely,

(Prof. K. R. S. Sambasiva Rao)
Vice-Chancellor

कुलपति
Vice - Chancellor
मिजोरम विश्वविद्यालय
Mizoram University
तन्हिल, आइज़ोल
Tanhri, Aizawl.

Letter of Intent

Listed below 13 Central Universities and CSIR-IHBT, Palampur (HP) in Himalayan Region of India intent to collaborate to form a consortium designated as "Indian Himalayan Central Universities Consortium (IHCUC) herein referred as "Consortium", with framework and objectives as given under. These Universities and CSIR IHBT, Palampur also intend to participate in a joint Memorandum of Understanding (MoU) in fulfilling the stated objectives.

1. Assam University, Silchar
2. Central University of Himachal Pradesh
3. Central University of Jammu
4. Central University of Kashmir
5. CSIR-IHBT Palampur (HP)
6. HNB Gharwal University
7. Manipur University
8. Mizoram University
9. Nagaland University
10. North Eastern Hill University
11. Rajiv Gandhi University, Itanagar
12. Sikkim University, Gangtok
13. Tezpur University
14. Tripura University

Framework:


- The above stated Central Universities and CSIR, HBT, Palampur will be the founding members of the 'Consortium'.

Objectives:

- Promote exchange of ideas, share expertise and professional excellence among members of Consortium
- To develop and submit joint proposals for funding by the Consortium or other agencies
- To promote research on socio-economic and environmental issues in Indian Himalayas
- Jointly organize, also with other additional partners, wherever required, regional/national workshops/seminars/ conferences on issues of Indian Himalayan Region.

Mizoram University, Aizawl gives its consent to the joint intent of 14 founding members as given above.

Place: Aizawl
Date: 3/6/2020


(Prof. K. R. S. Sambasiva Rao)
Vice-Chancellor

कुलपति
Vice - Chancellor
मिज़ोरम विश्वविद्यालय
Mizoram University
तन्हिल, आइज़ोल
Tanhril, Aizawl

त्रिपुरा विश्वविद्यालय

TRIPURA UNIVERSITY

(केन्द्रीय विश्वविद्यालय)
(A CENTRAL UNIVERSITY)

सूर्यमणिनगर, अगरतला, त्रिपुरा, भारत
Suryamaninagar, Agartala, Tripura, INDIA
पिन Pin - 799022



फोन Phone: (0381) 237 4801
237 9002
237 9003
237 9004
237 9024

फैक्स Fax : (0381) 237 4802
237 4803
237 5355
237 4804

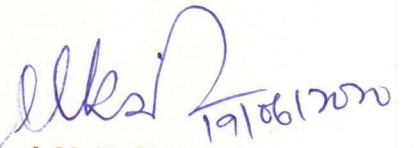
e-mail : tuoffice@tripurauniv.in
website : www.tripurauniv.in

No. F.TU/VCS/MISC/01/2018

Date: 19th June, 2020

Letter of Consent

Tripura University (A Central University) gives its consent to the Vice-Chancellor HNB Garhwal University to represent the proposed Indian Himalayan Consortium (IHUCC) to Nitiyog and/or other agencies for submitting proposal to UGC or other agencies and formalizing the said consortium with the funding members.


(Prof. M. K. Singh)

कुलपति / Vice-Chancellor (i/c)
त्रिपुरा विश्वविद्यालय / Tripura University

त्रिपुरा विश्वविद्यालय

TRIPURA UNIVERSITY

(केन्द्रीय विश्वविद्यालय)

(A CENTRAL UNIVERSITY)

सूर्यमणिनगर, अगरतला, त्रिपुरा, भारत

Suryamaninagar, Agartala, Tripura, INDIA

पिन Pin - 799022



फोन Phone: (0381) 237 4801

237 9002

237 9003

237 9004

237 9024

फैक्स Fax : (0381) 237 4802

237 4803

237 5355

237 4804

e-mail : tuoffice@tripurauniv.in

website : www.tripurauniv.in

No. F.TU/VCS/MISC/01/2018

Date: 19th June, 2020

Letter of Intent

Listed below 13 Central Universities and CSIR-IHBT, Palampur (HP) in Himalayan Range of India intent to collaborate to form a consortium designated as "INDIAN HIMALAYAN CENTRAL UNIVERSITIES CONSORTIUM (IHUCC) herein referred as consortium, with frameworks and objectives as given under these universities and CSIR (IHBT), Palampur also intent to participate in a join memorandum of understanding (MoU) in fulfilling the stated objectives.

1. Assam University, Silchar
2. Central university of Himachal Pradesh
3. Central university of Jammu
4. Central University of Kashmir
5. CSIR-IHBT Palampur (HP)
6. HNB Garhwal University UT
7. Manipur University
8. Mizoram University
9. Nagaland University
10. North Eastern Hill University (NEHU) , Meghalaya.
11. Rajiv Gandhi University Itanagar
12. Central Sikkim University, Gangtok
13. Tezpur University
14. Tripura University

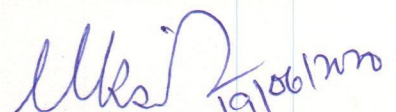
Framework

The above stated universities and CSIR, HBT, Palampur will be the founding members of the 'Consortium'.

Objectives

- Promote exchange of ideas share expertise & professional excellence among members of consortium,
- To develop & submit joint proposals for funding by the Consortium or other agencies.
- To promote research on socio-economic & environment issues in Indian Himalayas.
- Jointly organise, also with other additional partners wherever required, Regional/National Workshops/Seminars conferences issues of Indian Himalayan Region.

Tripura University, gives its consent to the joint intent of 14 founding members as given above.


(Prof. M. K. Singh)

कुलपति/Vice-Chancellor (i/c)
त्रिपुरा विश्वविद्यालय / Tripura University.



TEXAS TECH UNIVERSITY



CONTACT INFORMATION

TEXAS TECH UNIVERSITY

HNB GARHWAL UNIVERSITY

College of Agricultural Sciences and Natural Resources

School of Sciences

Name: Dr. Glen Ritchie

Name: Prof. D.S. Negi

Email: Glen.ritchie@ttu.edu

Email: Devendra_negi@yahoo.com

Chair, Department of Plant and Soil Sciences

Head, Department of Chemistry

Contact number

- 01346-252143

College of Human Sciences

Name: Dr. Nikhil V. Dhurandhar

Email: Nikhil.dhurandhar@ttu.edu

Chair, Department of Nutritional Sciences

Office of International Affairs

Name: Michael Q Johnson

Email: Michael.johnson@ttu.edu

Senior International Partnerships Administrator

24-hour emergency line

- 806-742-3931



TEXAS TECH UNIVERSITY



LETTER of INTENT

Between

TEXAS TECH UNIVERSITY, USA

and

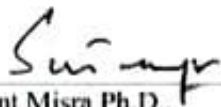
HNB GARHWAL UNIVERSITY, INDIA

Representatives of Texas Tech University (hereafter referred to as TTU), 601 Indiana Ave, 79409 Lubbock, Texas, U.S.A. (phone 001.806.742.3667) and HNB Garhwal University (hereafter referred to as HNB-G), Srinagar, Uttarakhand 246174, India (phone +01346.252143), have discussed the desirability and feasibility of an interactive relationship designed to strengthen the bonds between the institutions. This Letter of Intent (LoI) is intended to help the parties facilitate future agreements that may formally establish an international exchange of faculty and students, research data, and educational and development programs.

OBJECTIVES:

1. **Desired relationship.** The parties would like to further discuss an alliance between the institutions with regard to academic programs and research activities, particularly with the following departments:
2. **Purpose.** The parties wish to broaden the experience of their respective faculty and students, providing each group with opportunities for increased cultural understanding.
3. **Future binding agreement.** The parties wish to work toward a formal agreement that contains specific and binding provisions.
4. **No exchange of funds.** Neither party will incur, as a result of this LoI, any financial obligations resulting from the actions of the other party without an agreement in writing stating specific financial obligations.
5. **Term.** This LoI will be effective for 2 years from the last signature date and either party may terminate at any time by giving the other party written notice.
6. **Letter Not Binding.** This letter is intended solely as a basis for further discussion and is not intended to be and does not constitute a legally binding agreement.

For Texas Tech University

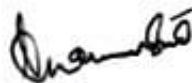


Sukant Misra Ph.D.,
Vice Provost for International Affairs

11 / 1 / 2019

Month/Day/Year

For HNB Garhwal University



Dr. Annpurna Nautiyal,
Vice Chancellor

1 / 3 / 2020

Month/Day/Year



Prof. Dr. D.S. Negi,
Head, Department of Chemistry

01 / 03 / 2020

Month/Day/Year

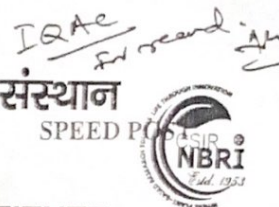


सी एस आई आर - राष्ट्रीय वनस्पति अनुसंधान संस्थान

(वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद)
राणा प्रताप मार्ग, पोस्ट बॉक्स सं० 436, लखनऊ-226 001 (भारत)

CSIR - NATIONAL BOTANICAL RESEARCH INSTITUTE

(Council of Scientific & Industrial Research)
Rana Pratap Marg, P.B. No. 436, Lucknow-226 001 (India)



सं० / No.

Vivek Srivastava
Principal Scientist
Technology Transfer & Business Development
email: vivek@nbri.res.in

दिनांक / Date

1261

T.T.B.D./C-02/2018/33/
April 24, 2018

To,

The Registrar
HNB Garhwal University
(A Central University)
Srinagar, Garhwal – 246174(Uttarakhand)

Subject : Signed Copy of Memorandum of Agreement – reg.

Reference : Your letter dated 29.03.2018 along with signed copies of MoU at your end.

Sir,

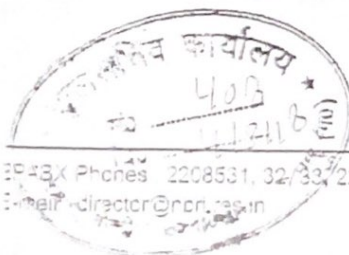
This has reference to the above mentioned subject. In this connection, please find enclosed herewith duly signed copy of MoU from our side for your record.

With regards

Yours Sincerely,

Vivek Srivastava
(Vivek Srivastava)

Encl. : As above



Phone: 2208531, 32/33/2297300-2297999

Email: director@nbri.res.in

Phone: 0522 - 2297300, 984

Gram : BAGH, Lucknow
Fax : (0522) 2205806, 2205809
Website : www.nbri.res.in

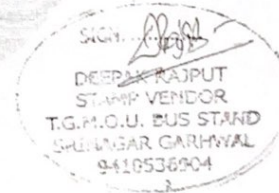


सत्यमेव जयते

INDIA NON JUDICIAL Government of Uttarakhand

e-Stamp

| | |
|---------------------------|---|
| Certificate No. | : IN-UK59686638125700Q |
| Certificate Issued Date | : 28-Mar-2018 02:57 PM |
| Account Reference | : NONACC (SV)/ uk1228404/ HARIDWAR/ UK-PG |
| Unique Doc. Reference | : SUBIN-UKUK122840420334501484159Q |
| Purchased by | : REGISTRAR |
| Description of Document | : Article 5 Agreement or Memorandum of an agreement |
| Property Description | : H N B G U SRINAGAR PAURI GARHWAL |
| Consideration Price (Rs.) | : 0 (Zero) |
| First Party | : NA |
| Second Party | : REGISTRAR |
| Stamp Duty Paid By | : REGISTRAR |
| Stamp Duty Amount(Rs.) | : 100 (One Hundred only) |



-----Please write or type below this line-----
MEMORANDUM OF UNDERSTANDING

CL. 1. THE MoU

CL.1.1 This MoU made and entered into on rd 23rd Day of April 2018 between CSIR-National Botanical Research Institute (Council of Scientific & Industrial Research, a Society registered under the Societies Registration Act (XXI of 1860), having its registered office at Anusandhan Bhavan, 2, Rafi Marg, New Delhi-110001) having its office at Rana Pratap Marg, Lucknow-226001 (hereinafter called

Statutory Alert:

- The authenticity of this Stamp Certificate should be verified at "www.indiastamp.com". Any discrepancy in the details on this Certificate and as available on the website renders it invalid.
- The onus of checking the legitimacy is on the users of this certificate.
- In case of any discrepancy please inform the Government Authority.

CSIR-NBRI which expression shall where the context so admits include its successors and permitted assigns) of the one part,

And

CL.1.2 H. N. B. GARHWAL UNIVERSITY, Srinagar, a Central University having its office at Srinagar-246174 Dist. Garhwal (Uttarakhand) (hereinafter called the HNB Garhwal University which expression shall where the context so admits include its successors and permitted assigns) of the other part.

CL. 2. PREAMBLE

CSIR-NBRI, Lucknow and HNB Garhwal University, Srinagar have realized the need for a close linkage between the National Laboratories and the Universities in the terms of research and academic activities. In compliance to this idea, both have decided to sign a Memorandum of Understanding (MoU) as per the following terms and conditions:

CL. 3. GENERAL

CL.3.1 CSIR-National Botanical Research Institute (CSIR-NBRI) scientists may participate in the teaching program in the area of Botany, Plant and Animal Biotechnology, Zoology, Microbiology, Chemistry, Biochemistry, Pharmaceutical Sciences, Pharmaceutical Chemistry, Environmental Sciences, High Altitude Plant Physiology, Forestry, Horticulture, etc. at the Departments of Botany and Microbiology, Zoology and Biotechnology, Chemistry, Biochemistry, Pharmaceutical Sciences, Pharmaceutical Chemistry, Environmental Sciences, High Altitude Plant Physiology Research Centre, Forestry, Horticulture, etc. of HNB Garhwal University on request and subject to mutual convenience.

CL.3.2 CSIR-NBRI scientists and faculty members of Departments of Botany and Microbiology, Zoology and Biotechnology, Chemistry, Biochemistry, Pharmaceutical Sciences, Pharmaceutical Chemistry, Environmental Sciences, High Altitude Plant Physiology Research Centre, Forestry, Horticulture, etc. of

HNB Garhwal University, will work towards joint research projects thereby mutually using leading research facilities developed/to be developed at CSIR-NBRI and HNB Garhwal University.

CL.3.3 HNB Garhwal University will recognize and accept CSIR-NBRI scientists as Supervisor / Co-Supervisor (as applicable) for Ph. D degree of HNB Garhwal University. **One faculty member of the concerned department shall be Supervisor /Co-Supervisor (as applicable) with the student of CSIR-NBRI registered with HNB Garhwal University.**

The Board of Studies, HNB Garhwal University shall decide Supervisor /Co-Supervisor for the student as applicable.

CL.3.4 The faculty and students of the above mentioned departments (as mentioned at 3.2) of HNB Garhwal University, who work in collaboration with the scientists of CSIR-NBRI shall be allowed to use laboratories and library of CSIR-National Botanical Research Institute (CSIR-NBRI) subject to the prior permission of the Director. Scientists and Ph. D students of CSIR-NBRI, who work in collaboration with the faculty of HNB Garhwal University shall likewise to be given the laboratory and library facilities of HNB Garhwal University with prior permission of competent authority.

CL. 4. ACADEMIC AND DEVELOPMENT PROGRAMMES

CL.4.1 For the mutual benefit of the two institutions i.e. CSIR-National Botanical Research Institute (CSIR-NBRI) and HNB Garhwal University, there will be exchange of CSIR-NBRI scientists and faculty members of the mentioned departments (as mentioned at point 3.2) of HNB Garhwal University.

CL.4.2 CSIR-NBRI and HNB Garhwal University scientists/faculty members will help each other in preparing common research programmes.

CL.4.3 While registering CSIR-NBRI students for Ph. D degree in HNB Garhwal University, the ordinance related to Ph. D degree of HNB Garhwal University will be applicable. The students/researchers of CSIR-NBRI shall be required to qualify the entrance examination/ GATE/NET-JRF followed by interview for registration to Ph. D as per the norms of HNB Garhwal University, Srinagar, if any.

CL.4.4 CSIR-NBRI and HNB Garhwal University will work closely to generate appropriately trained manpower in the related areas through organization of formal academic curricula, symposia, short term training courses, etc.

CL.4.5 CSIR-NBRI as a national laboratory provides necessary rigorous training of research methodology, literature survey, computation of data at par with the course work (one semester training course) required as per UGC norms/ordinance of HNB Garhwal University, Srinagar. Hence, research students of CSIR-NBRI will be completing this course at CSIR-NBRI but will have to give the Pre Ph. D examination at HNB Garhwal University.

CL.4.6 Honorarium, TA/DA (if applicable) will be provided to the faculty members/Scientists/technical staff of HNB Garhwal University and CSIR-NBRI as per rules by requesting organizations.

CL.5. DURATION OF MoU

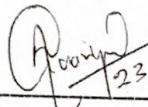
CL.5.1 This MoU shall be valid for a period of 60 months from the date of signing. The duration may be extended with the consent of both the parties under mutually agreed terms and conditions.

CL.5.2 It is further agreed that the Vice-Chancellor, HNB Garhwal University and Director, CSIR-National Botanical Research Institute (CSIR-NBRI), through periodic meetings will monitor the process of this MoU. Any change/modification/termination as introduced/suggested by the Review Committee (comprising of Vice-Chancellor, HNB Garhwal University and Director, CSIR-National Botanical Research Institute (CSIR-NBRI)) will be binding on both the organizations.

SEAL OF PARTIES

In WITNESS WHEREOF the parties hereto have signed this agreement of understanding the day, month and year as mentioned hereinbefore.

For and on behalf of CSIR-NBRI


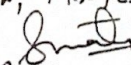
Signature:  23/4/2018

Name: A. K. GAUNIYAL

Designation: Head, P.M.E.

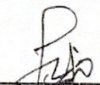
DR. ANIL KUMAR GAUNIYAL
Seal: Head, Planning, Monitoring & Evaluation Division
CSIR-National Botanical Research Institute
Lucknow-226001, Uttar Pradesh

Witnesses: (Name & Address)

1. 
Virendra Kumar
Scientist, TPO, CSIR-NBRI.
2. 
Sushil Sharma
TO, CSIR-NBRI, Lucknow

Date: _____

For and on behalf of HNB Garhwal University

Signature: 

Name: A. K. JHA

Designation: Registrar

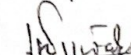

Registrar

H.N.B. Garhwal University

(A Central University)

Garhwal (Garhwal) 246174 UK

Witnesses: (Name & Address)

1. 
Prof. J.K. Tiwari, Dept. of Botany &
Microbiology, HNB Garhwal Univ.
Srinagar
2. 

Dr. A.K. Mohanty
Joint Registrar (Academic)

Date: _____
HNB Garhwal Univ.
Srinagar

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**MOU OF DR.
AMBEDKAR CENTRE OF
EXCELLENCE SCHEME
(DACE)**

**MEMORANDUM OF UNDERSTANDING (MoU) FOR FUNCTIONING OF DR.
AMBEDKAR CENTRE OF EXCELLENCE IN CENTRAL UNIVERSITY OF HEMVATI
NANDAN BAHUGUNA GARHWAL UNIVERSITY, SRINAGAR GARHWAL,
UTTARAKHAND**

**AND DR. AMBEDKAR FOUNDATION, MINISTRY OF SOCIAL JUSTICE AND
EMPOWERMENT, GOVERNMENT OF INDIA, NEW DELHI**

Statutory Alert:

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2. The onus of checking the legitimacy is on the users of the certificate
3. In case of any discrepancy please inform the Competent Authority

This Memorandum of Understanding (hereinafter referred to as the **MoU**) made on22.....(day) ofApril.....(month) of 2022 between the Central University of HEMVATI NANDAN BAHUGUNA GARHWAL UNIVERSITY, SRINAGAR GARHWAL, UTTARAKHAND hereinafter referred to as the "University", having registered address at Srinagar Garhwal, District- Pauri Garhwal, Uttarakhand represented by Dr. ATAY KUMAR KHANDURI, REGISTRAR..... (which expression shall include its successors, administrator and assigns) and Dr. Ambedkar Foundation, Ministry of Social Justice and Empowerment, Government of India, hereinafter referred to as the "**Foundation**" having registered address at 15, Janpath, New Delhi - 110001 represented by Shri Vikas Trivedi, Director, Dr. Ambedkar Foundation (which expression shall include its successors, administrator and assigns).

2. Dr. Bhimrao Ramji Ambedkar (1891-1956), fondly known as Babasaheb, is one of the most illustrious sons of India and a great National Leader. He is considered as the champion for the Dalit cause, an erudite scholar, extraordinary statesman and a visionary who contributed greatly to the building of the modern Nation. Dr. Ambedkar left an indelible impression in the history of India as a messiah who unfettered the oppressed masses and secured human rights for millions of weaker and oppressed classes that were path-breaking in its essence and strived towards the monumental endeavors of freedom. He was the Chief Architect of the Constitution of India, wherein Babasaheb left emancipatory provisions for the justice and empowerment of the oppressed classes. He is the symbol of the struggle for justice and empowerment of the weaker and downtrodden population in India and laid the foundation stones of building a just society. Babasaheb's groundbreaking ideas led to the formation of the Reserve Bank of India during British rule. As a Labour leader, he promoted the revolutionary idea of "fair condition of life of labour" as opposed to "fair condition of work" which provided the outline of the future labour laws in India. Babasaheb was also a champion of the cause of gender parity as he initiated reforms for lessening of working hours to 48 hours per week, removed the ban of engaging the women in various forms of

employment and coded the principle of "equal pay for equal work" irrespective of gender. His idea of the Hindu Code Bill of emancipatory nature. Babasaheb also left a lasting impression as a social reformer through his role in the movements like Mahad Satyagraha, the Anti-Khoti movement and the Dalit Buddhist movement.

3. The Governing Body of Dr. Ambedkar Foundation in its meeting held on 17.11.2021 had decided to implement a New Scheme called "Dr. Ambedkar Centre of Excellence"

4. In pursuance of the decisions of the Governing Body, the scheme is aimed to establish Dr. Ambedkar Centre for Excellence in at least 3\ Central Universities one from every State/UT of India. Through the Scheme, the Centre shall empower **Scheduled Caste** students in competitive exams by providing the best and free coaching facilities

AND WHEREAS, this scheme provides specialized coaching ONLY to the Scheduled Caste students for the Civil Services examination conducted by the UPSC.

5. AND WHEREAS the Scheme of Dr. Ambedkar Centre of Excellence includes the following criteria:

Implementing Universities and Other Conditions:

This scheme will run through at least 3\ Central Universities one from every State/UT of India and provide financial assistance as per the following:

- i. DACE shall be established after the acceptance of Vice-Chancellor of the Central University.
- ii. In order to conduct coaching classes for the subject applied for, the Universities must possess necessary infrastructure such as a separate classrooms, library, Hi-Speed wifi connectivity, and other requisite equipment, etc.

Eligibility Criteria for Students and Selection Procedure for the Free Coaching

- i. In order to be considered for admission into the center for desired subject, candidates must have achieved the required minimum percentage of marks in the qualifying examination.
- ii. The Scheme is open to only Scheduled Caste students. University shall obtain/verify requisite caste certificate from the concerned candidate/student/ issued by the competent authorities in his/her respective States/UTs or as the case may be.

- iii. The coaching benefits under the scheme may only be utilized by a student **ONCE** regardless of the number of chances that he/she may be entitled to in a particular Competitive Examination. The student must submit to the University an affidavit stating that he/she has not received any monetary benefit from any of the other schemes by Government of India, State/UTs or any funding agency.
- iv. The candidates enrolled under this scheme shall have to attend all the classes. **In case of remaining absent for more than 15 days without any valid reason, or leaving the coaching midway without prior approval of the competent authority, the total expenditure incurred on the candidate will be recovered from the University/student/candidate concerned. University shall be responsible for the recovery.**
- v. A total of hundred seats (100) sanctioned for coaching per Centre. 33% of the total sanctioned seats for coaching may preferably be given to the eligible female candidates of SC category. In case the sufficient number of eligible female candidates do not apply, University may allocate the vacant seats to the male/transgender candidates (SC category only).
- vi. The concerned University shall widely publicize the scheme through open advertisement and make a public notice for a **Common Entrance Test (CET)**. The student shall be selected through an entrance test conducted by the University as per merit.
- vii. The University will be required to maintain **Attendance Registers** for all candidates enrolled for the coaching classes as well as subject-wise results of practice tests, or any other evaluation.

Faculty/ Resources

- i. The Competent Authority of the Central University shall appoint a **"Program Coordinator" for the Doctor Ambedkar Centre for Excellence**, for a minimum term of 2 years. He/she must be a permanent faculty of the same University who may be entrusted with this additional assignment. **He/she may also be paid a token honorarium/Special pay @ of Rs. 20,000/- per month from the total budget of the scheme.** His/her role of responsibilities/ duties etc. shall be defined by the concerned University, however, his/her Annual Performance Appraisal Report (APAR) shall be submitted to the DAF, for monitoring and records.

- ii. The University will be required to appoint at least Three (03) contractual/term appointment/ teachers, who must be eminent and professional scholars in the concerned/allied/relevant discipline and must have published work of high quality and actively engaged in research and training.
- iii. It should be necessary for a teacher to remain available at least 06 hours daily in the University. The minimum direct teaching- learning process must involve 20 to 25 hours per week.
- iv. Contractual appointee teachers may be entitled for 12 leaves in a calendar year excluding the public holidays. All other leaves shall be counted as leave without pay, subject to the maximum period of one month. The other relevant 'terms and conditions' may be fixed by the University and a copy of the same shall be shared with DAF.
- v. For the above mentioned post, he/she will be paid a consolidated fixed pay salary of Rs. 1,15,000/ per month (Taxes as applicable)

Nature of Financial Assistance

Dr Ambedkar Foundation shall fund the entire expenditure to be incurred on the establishment of Dr. Ambedkar Centre for Excellence as per the terms and conditions of the scheme.

- i. The grant will be provided per student basis to the University.
- ii. The expenditure of the scheme which includes all expenses may be released to Dr. Ambedkar Centre for Excellence in **Two installments every year**. The **first installment @ 75%** will be released immediately to the University as soon as it is notified/empanelled by the DAF and the students are selected and finalized by the University.
- iii. The remaining **second installment of 25%** to the Dr Ambedkar Centre for Excellence **will be released after the submission of Utilization Certificate, Audited statement of accounts, receipts if any, and other payments details certified by a Chartered Accountant on the panel of CAG along with the half yearly report outcome of the programmes initiated by Dr Ambedkar Centre for Excellence.**
- iv. The Central University must inform DAF about the date wise commencement of the coaching programs including nominal role of Students batch wise and any other details.

- v. All the funds shall be released as per the norms prescribed in the GFR 2017 and amendments from time to time. The Central University will make expenditure only through Public Financial Management System (PFMS) DBT mode.

| SI No. | Type of Coaching | Coaching Fees | Duration of Coaching/ Course | Minimum Annual Success Rates |
|--------|--|--------------------------------------|------------------------------|------------------------------|
| a) | The Civil Services examination Conducted by UPSC | Rs. 75,000/- per annum / per student | 01 year | 10% |

Subject wise earmarking of Universities including allocation of Students shall be done post declaration of CET results under a separate notification by DAF/University.

The Universities shall appoint subject wise faculty to meet the requirements of students selected in that University.

Financial assistance for each DACE per year

| | |
|-------------------------------------|---|
| Number of Universities | 31 |
| Number of Students (per University) | 100 |
| Number of Teachers per University | 03 + 01 (Programme Coordinator) |
| Grant per student provided | INR 75,000/- |
| Total | INR 75,00,000/- (per University) all inclusive |

Monitoring

At the end of each academic year, the Coordinator of the programme will submit, through the Registrar, an appraisal report, indicating the performance of each candidate. The appraisal report should also indicate:

- The duration for which the coaching was organized, classes /period, and the number of the candidates who actually participated in the programme.
- The number of candidates who actually appeared in the examination.
- The number of successful candidates in each paper along with the problems faced by the University in the implementation of the scheme.
- The subjects in which they were tutored, names of Teachers and their subject discipline.
- Overall comments of the Coordinator

Additional Notes:-

- i. The University shall be monitored by the DAF and Do SJ&E. The sponsoring agency may **conduct** physical inspection, at any point of time and even without prior information, or it may be done through Independent agencies.
- ii. The University shall provide all details on its Website for Dr. Ambedkar Centre for Excellence and furnish website address to the DAF. The University shall also upload year-wise and course-wise photographs of coaching programme enrolled students on their website for ready reference.
- iii. This University shall open a separate "**Current Bank Account**" for this scheme. All expenditures related to this program should be made from this account only. The account should be audited as per Government norms in each financial year, and confirm the same to Dr. Ambedkar Foundation by the month of May of next financial year.

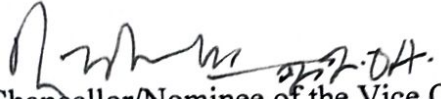
6. WHEREAS, the FOUNDATION and the Central University of
for implementation of the above objectives, have decided to set up the Dr. Ambedkar Centre of Excellence and has agreed to act jointly with the FOUNDATION by extending necessary cooperation for proper implementation of the above Scheme.

7. NOW, BY THIS MEMORANDUM OF UNDERSTANDING the FOUNDATION and the CENTRAL UNIVERSITY hereby agree as follows:

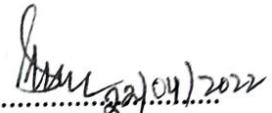
- i. That, the University and the Foundation shall cooperate with each other and jointly extend all cooperation for proper implementation on the objectives as aforesaid.
- ii. That, the University shall comply with the terms of the MoU of the Foundation for better functioning of the Scheme.
- iii. That, the University shall extend all infrastructural facilities as proposed in the MoU of the Foundation.
- iv. That, both the parties have agreed to comply with all financial and other liabilities as stipulated in the MoU of the Foundation for effective functioning of the Scheme.
- v. That, the compliances of the Scheme of the Foundation shall be treated as part of the MoU, which shall not be disputed by the University in any manner.

- vi. That, the performance shall be reviewed each year by the DAF/D/o SJE or through any other Agency.
- vii. That, this MoU shall come into force/ operational with effect from 01.04.2022.
- viii. In witnesses whereof, the parties hereto have put their respective seal and signature on the day, month, year written hereinabove.

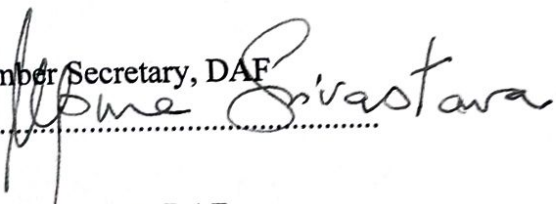
In witnesses whereof


Vice Chancellor/Nominee of the Vice Chancellor
Prof. R C Bhatt
1 Pro Vice-chancellor HNBCU

Dean / DR

2 
Dr. Sanjay Kumar Shylin
DR (Legal) HNBCU

Member Secretary, DAF


1 

Representative, DAF

2 


Registrar/Deputy Registrar
University/Institute

Dr. Ajay Kumar Chaudhary
Registrar, HNBCU


Director
Dr. Ambedkar Foundation
विकास त्रिवेदी / VIKAS TRIVEDI
निदेशक / Director
डॉ. अम्बेडकर अंतराष्ट्रीय केंद्र
Dr. Ambedkar International Centre
सामाजिक न्याय और अधिकारिता विभाग
Ministry of Social Justice & Empowerment
भारत सरकार, नई दिल्ली
Govt. of India, New Delhi



हेमवती नन्दन बहुगुणा गढ़वाल विश्वविद्यालय
Hemvati Nandan Bahuguna Garhwal University
श्रीनगर गढ़वाल (उत्तराखण्ड)-246174
Srinagar Garhwal (Uttarakhand) - 246174
(केन्द्रीय विश्वविद्यालय)
(A Central University)

10

31-08-2021

The Chairman,
RCC Cell,
HNBGU

Sub: Regarding Memorandum of Agreement (MOA) related to Skill Vigyan Program

Dear Sir,

This is to inform you that a Memorandum of Agreement (MOA) has been signed between HNBGU and UCOST for running a Skill Vigyan Program at HNBGU with financial support from DBT, Govt. of India and UCOST. A copy of the MOA is attached herewith for your kind perusal and information.

Thanking you,

Yours sincerely,

Dr. GK Joshi

Nodal Coordinator
Skill Vigyan Program,
Assistant Professor,
Department of Biotechnology
HNBGU

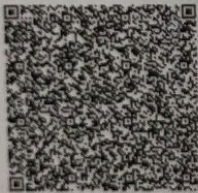


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| Description of Document | : Article 5 Agreement or Memorandum of an agreement |
| Property Description | : SRINAGAR GARHWAL |
| Consideration Price (Rs.) | : 0 (Zero) |
| First Party | : UCOST DEHRADUN |
| Second Party | : REGISTRAR H N B G U, |
| Stamp Duty Paid By | : REGISTRAR H N B G U |
| Stamp Duty Amount(Rs.) | : 100 (One Hundred only) |



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MEMORANDUM OF AGREEMENT

This MEMORANDUM OF AGREEMENT is made on this 9th March day of Two thousand and Twenty One BY AND BETWEEN Uttarakhand State Council for Science and Technology (UCOST), Dehradun, Govt. of Uttarakhand having its registered office at "Vigyan Dham, Post-Jhajra (Suddhowala), Dehradun, Uttarakhand-248007" acting through Director General, Uttarakhand State Council for Science and Technology (UCOST), Dehradun, hereinafter referred to as the 'UCOST' (which expression unless excluded by or repugnant to the subject shall mean and include its successor-in-office and assignees) of the FIRST PARTY;

AND

Statutory Alert:

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H.N.B. Garhwal (Central) University, having its registered office at Srinagar-Garhwal-246174, Distt.- Pauri Garhwal (Uttarakhand), hereinafter referred to as **HNBGU** (which expression shall where the context so admits include its successors and permitted assignees) of the **SECOND PARTY**;

WHEREAS UCOST being desirous of capacity building in the area of Biotechnology teaching decided to support a Skill Vigyan Program submitted by **HNBGU**.

This Memorandum of Agreement (MoA) defines the role and responsibilities of the participating agencies, monitoring and other matters related to the Skill Vigyan Program.

NOW THE PARTIES HERETO AGREE AS FOLLOWS:-

1.0 ROLE OF UCOST, DEHRADUN

- 1.1 To provide funds to the extent of **Rs. 19.80 lakh (Rs Nineteen lakh eighty thousand only)** over a period of **three years** from the date of Administrative sanction of the project, **(31.5.2019)**, for conducting Skill Vigyan Programme. Details of the grant, number of seats per year and annual recurring provision are given at **Annexure-I (Administrative Sanction Order)**.
- 1.2 To provide additional funds amounting to **Rs. 2.00 Lakh (Rs Two Lakh only)** per year to meet any shortfall in miscellaneous expenses during implementation of project, viz., honorarium, travel, field visits, contingency, etc. The money would be released in ratio of 60: 40.

2.0. ROLE OF HNBGU

- 2.1. To provide existing facilities as mentioned in the project document.
- 2.2. To accomplish and fulfill the terms and conditions listed at **Annexure-II**.
- 2.3. NSQF aligned courses framed by *Life Sciences Sector Skill Development Council (LSSSDC)* and training duration specified therein would be strictly implemented by the institute.
- 2.4. Pre-placement and post placement initiatives would be submitted to UCOST mentioning the employment status of trained students (self-employment/ opting higher education/ job placement).
- 2.5. 15 days before the completion of training program, UCOST would be informed regarding assessment of students.
- 2.6. For certification of trainers, the nodal coordinator and at least one team member would undergo Training-of-Trainer (TOT) program to be organized by UCOST.
- 2.7. Timely on-boarding of institute and registration of dedicated trainers on Skill India portal (<https://skillindia.nsdindia.org/>) for affiliation and Train the Trainers program.
- 2.8. Institute should ensure timely purchase and distribution of LSSSDC Job Roles Participating handbooks to each trainee within a timeline.
- 2.9. To submit an annual audited statement of expenditure incurred under this Skill Vigyan program.
- 2.10. To ensure effective utilization of the grant given by UCOST for the purpose for which it was granted and to ensure timely completion of course work/ examination and placement.

90

2

- 2.11. **HNBGU** will take up all the liabilities of the Skill Vigyan program including Manpower (if any), upto the sanction period specified in the sanction order.

3.0 DURATION OF PROJECT

- 3.1 Duration of project shall be **three years** from the date the Program has been sanctioned by UCOST.

4.0 RIGHTS OF OWNERSHIP/TECHNOLOGY TRANSFER AND UTILIZATION

- 4.1 All the assets including the equipment and produce acquired will be the property of UCOST and shall not be utilized for purposes other than teaching/capacity building at **HNBGU**. The rights of **HNBGU** under this MoA shall not be transferred to any other party without prior approval in writing of UCOST.
- 4.2 It shall be the responsibility of **HNBGU** to ensure that support of UCOST is suitably acknowledged in all the publications (papers, reports, newspapers, etc.) arising out of the program.

5. MONITORING

- 5.1 The progress of implementation of the Skill Vigyan Program and proper utilization of grant shall be reviewed by UCOST and by the Advisory Committee set up by **HNBGU** on yearly basis.
- 5.2 The periodic progress of physical achievements and the utilization of funds, statement of expenditure shall be evaluated by the Advisory Committee and UCOST.
- 5.3 The Comptroller and Auditor General of India, at his discretion shall have the right of access to the books and accounts of **HNBGU** for the grants received from UCOST for this program.
- 5.4 UCOST may terminate the grant at any stage if it is convinced that the grant has not been properly utilized or appropriate progress has not been made. In the event UCOST terminates the grant, **HNBGU** shall hand over all documents including technical details and equipment purchased related to the programme.

6.0 DURATION OF MEMORANDUM OF AGREEMENT

This MoA will remain in force for the duration of the program.

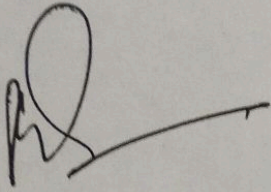
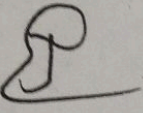
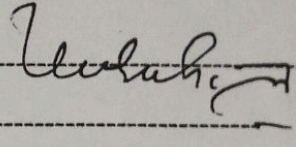
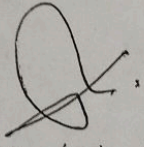
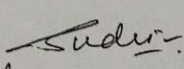
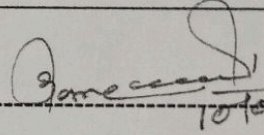
7.0 ARBITRATION

In the event of any question, dispute or difference whatsoever arising between the parties to this Agreement out of or relating to the construction, meaning, scope, operation or effect of this Agreement or the validity of the breach thereof shall be referred to an Arbitrator to be appointed by mutual consent of both the parties herein. If the parties cannot agree on the appointment of the Arbitrator within a period of one month from the notification by one party to the other of existence of such dispute, then the Arbitrator shall be nominated by the Secretary, Law Department, Government of Uttarakhand. The provisions of the Arbitration and Conciliation Act, 1996 will be applicable and the award made there under shall be final and binding upon the parties hereto, subject to legal remedies available under the law. Such differences shall be deemed to be a submission to arbitration under the Indian Arbitration and Conciliation Act, 1996, or of any modifications or reenactments thereof.

GOVERNING LAW

This Contract shall be governed by the Law of India for the time being in force.

IN WITNESS WHEREOF the parties hereto have signed, sealed and delivered this Agreement on the day, month and year first above written in presence of:

| | |
|--|--|
| <p>Witnesses:</p> <p>1. </p> <p>2. </p> | <p>Signed and Stamped by </p> <p>महानिदेशक/Director General (Designation) वि. प्रौ. परि./U-COST For and on behalf of UCOST, Dehradun</p> |
| <p>Witnesses:</p> <p>1. Dr. G. K. Joli  Department of Biotechnology, HNBGU Srinagar</p> <p>2. Dr. Sudhir Kumar  Department of Biotechnology</p> | <p>Signed and Stamped by  Registrar (Designation) H.N.B. Garhwal University (A Central University) Srinagar (Garhwal) For and on behalf of HNBGU, Srinagar</p> |



सी.एस.आई.आर-हिमालय जैवसंपदा प्रौद्योगिकी संस्थान
पो. बॉ. नं. 6 पालमपुर - 176 061 (हि.प्र.) भारत
CSIR-INSTITUTE OF HIMALAYAN BIORESOURCE TECHNOLOGY
Post Box No. 6 Palampur (H.P.) 176 061 INDIA

BY SPEED POST

No. CSIR-IHBT/BDMU/2021

15th November, 2021

1445

Subject:- Memorandum of Understanding.

Dear Sir,

Please find attached herewith a signed copy of Memorandum of Understanding made on 12th November, 2021 between CSIR-IHBT, Palampur and Hemvati Nandan Bahuguna Garhwal University (Central University), Srinagar in original. It is requested to kindly sign the MoU and send back your signed copy to this Institute for our record.

Kindly acknowledge the receipt.

Yours sincerely,

(Dr. Sukhjinder Singh)

Coordinator

Business Development & Marketing Unit

Encl: As above

Prof. M. C. Nautiyal
Convener, RCC Cell
Hemvati Nandan Bahuguna Garhwal University
(Central University)
Srinagar-246 174 Distt. Garhwal (Uttarakhand), India



MEMORANDUM OF UNDERSTANDING

BETWEEN

HEMVATI NANDAN BAHUGUNA GARHWAL UNIVERSITY
(CENTRAL UNIVERSITY), SRINAGAR

AND

CSIR-INSTITUTE OF HIMALAYAN BIORESOURCE TECHNOLOGY
(CSIR-IHBT), PALAMPUR

FOR

COLLABORATION ON RESEARCH & DEVELOPMENT &
ACADEMICS INCLUDING FACULTY AND STUDENT EXCHANGE

In furtherance of their mutual interest in the fields of education and research and as a contribution towards increasing national cooperation, Hemvati Nandan Bahuguna Garhwal University (Central University), having its registered address at Srinagar- 246174, Dist. Garhwal (Uttarakhand), India (here in after referred to as H.N.B. Garhwal University).

And

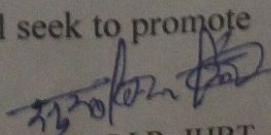
CSIR-Institute of Himalayan Bioresource Technology having its registered address at Palampur-176061, District Kangra, Himachal Pradesh, India, Estt. By Council of Scientific and Industrial Research (here in after referred to as **CSIR-IHBT**) have entered into this Memorandum of Understanding (MoU) on **12th November, 2021** with broad terms and conditions as follows:

ARTICLE - I

The MoU involves academic and R&D collaboration between H.N.B. Garhwal University and CSIR-IHBT (also referred to as institutions) in areas of relevance to each other.

Accordingly, the institutions as per their extant Guidelines shall seek to promote or facilitate

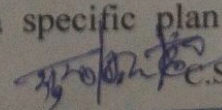
H.N.B.G.U.


C.S.I.R.-IHBT

1. Exchange of staff and students (faculty, research scholars, and research project employees) regarding academics and research in the areas of mutual interest for institutions.
2. Exchange of students for pursuing course study and research programmes for mutual benefit of institutions.
3. Collaboration in research & development programs and consultancy activities.
4. Exchange of academic and research material and publications/IPs (exists in Public domain).
5. Cooperation in project proposals and research activities of mutual interest.
6. Collaboration in research & development in the areas of Food and Nutraceuticals, models for animal studies, ecology, medicinal aromatic plants, floriculture, tea sciences and other mutually decided areas. This also includes collaboration in setting-up and upkeep of the relevant infrastructure among the institutions.
7. Joint collaboration with Government organizations/ private entities/ PSUs in the mutually decided areas.
8. Jointly organization of scientific events like seminars/conferences/workshops etc.
9. Exchange of students for summer/winter internships
10. Intellectual Properties (IPs) and benefits arising out of commercialization of technologies generated out of co-operation under this MoU shall be jointly shared by H.N.B. Garhwal University and CSIR- IGBT on mutual consent in each case.
11. H.N.B. Garhwal University and CSIR-IGBT joint outreach programme for Science education and related technological advances for social benefit.

ARTICLE – II

Implementation of cooperation based on this MoU shall be dealt with between the relevant faculties and divisions/departments of the institutions. Wherever necessary and subject to availability of resources, a specific plan shall be

H.N.B.G.U.  CSIR-IGBT

worked-out for each activity mentioned above in Article – I setting forth detailed arrangements for collaboration. Such plans shall be subject to approval of the appropriate authorities of each institution. To facilitate development of such plans, each institution shall nominate a member of its staff to coordinate activities arising under this MoU.

ARTICLE – III

The institutions agree and undertake to keep confidential, at all times, any information and/or data that may be exchanged, acquired and/or shared in connection with the area of cooperation as mentioned above in ARTICLE - I (3) unless otherwise the same information already exists in the public domain.

ARTICLE – IV

Ownership of any research findings of joint research work specified shall be vested with the institutions specified in this MoU. Notwithstanding anything stated in the MoU, the MoU is free from any financial commitment of one party towards the other and also towards any other party.

ARTICLE – V

The MoU shall remain in force for a period of 05 (five) years commencing from the date of signing and may be reviewed/renewed by mutual consent by serving 3 (Three) months written notice to the other institution. The MoU may be amended with mutual consent of both the institutions in writing.

ARTICLE – VI

H.N.B., Garhwal University and CSIR-IHBT reserve the right to terminate this MoU by either institution giving 3 (Three) months written notice to the other. Where such termination occurs, the provisions of this MoU shall continue to apply to ongoing activities until their completion.

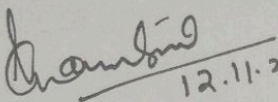
ARTICLE – VII

Participating staff and students involved in any activities under this MoU must adhere to laws of the country and rules & regulations of the host institutions.

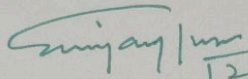
ARTICLE – VIII

H.N.B., Garhwal University and CSIR-IHBT welcome establishment of this MoU for cooperation and jointly agree to the provisions as set-out above. There will be two copies of this MoU equally valid, one for each institution, effective from the date of its signing.

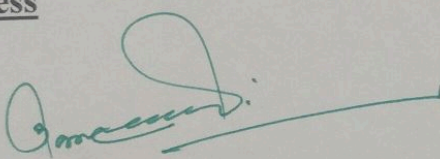
Signed for and on behalf of
H.N.B., Garhwal University


12.11.2021
(Prof. Annpurna Nautiyal)
Vice-Chancellor
H.N.B., Garhwal University

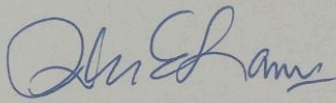
Signed for and on behalf of
CSIR-IHBT, Palampur

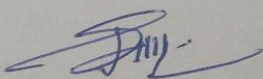

12.11.2021
(Dr. Sanjay Kumar)
Director
CSIR-IHBT, Palampur

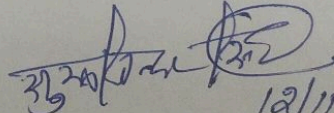
Witness

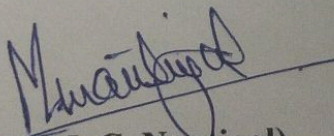

(Dr. Ajay Kumar Khanduri)
Registrar
H.N.B., Garhwal University

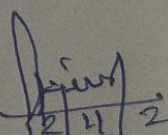
Witness


(Dr. Ram Kumar Sharma)
Coordinator, Academy of Scientific &
Innovation Research (AcSIR)
CSIR-IHBT, Palampur


(Prof. J. S. Chauhan)
Dean, Agriculture & Allied Sciences
H.N.B. Garhwal University


12/11/2021
(Dr. Sukhjinder Singh)
Coordinator, BDMU,
CSIR-IHBT, Palampur


(Prof. M. C. Nautiyal)
Convener, RCC Cell
H.N.B., Garhwal University


12/11/2021
Administrative Officer
CSIR-IHBT, Palampur



13



MEMORANDUM OF UNDERSTANDING

BETWEEN



Ahmedabad Textile Industry's Research Association (ATIRA)

Dr. Vikram Sarabhai Road, PO-Ambawadi Vistar

Ahmedabad – 380015

Gujarat, India

AND



HEMVATI NANDAN BAHUGUNA GARHWAL UNIVERSITY

(A CENTRAL UNIVERSITY)

Srinagar (Garhwal),

Uttarakhand



This Memorandum of Understanding (hereinafter referred to as the "MoU") is entered into this 10 day of Feb 2022.

BETWEEN

AHMEDABAD TEXTILE INDUSTRY'S RESEARCH ASSOCIATION, AHMEDABAD

AND

HEMVATI NANDAN BAHUGUNA GARHWAL UNIVERSITY, SRINAGAR

Preamble:

Hemvati Nandan Bahuguna Garhwal University (HNBGU)

Hemvati Nandan Bahuguna Garhwal University was established as a State University vide U.P. State Government notification no. (10)/(865)/15/(75)(85)/64 dated 23 November 1973. The University has subsequently been upgraded to Central University by an Act of Parliament i.e. the Central Universities Act 2009. Since its inception, the University has shown commitment to regional and community development inherent in its teaching courses, research agenda, and other outreach and extension initiatives. The University, nestled in the lap of Himalayan ranges in the Garhwal region of Uttarakhand, is a residential cum affiliating institution of higher learning. The University has following three campuses distantly located from each other where the undergraduate, post-graduate, and research programmes are being offered in different disciplines.

1. Birla Campus, Srinagar Garhwal with its extension at Chauras Campus,
2. B. Gopal Reddy (BGR) Campus, Pauri and
3. Swami Ram Teerth (SRT) Campus, Badshahithaul, Tehri.

The university having its main campus at Srinagar – 246174, Dist.Garhwal (Uttarakhand), India – 246174 (herein after referred to as "HNBGU", which expressions shall mean and include, unless repugnant to the context or meaning thereof its successors and permitted assigns) on the first party;



Ahmedabad Textile Industry's Research Association (ATIRA), Ahmedabad

ATIRA is an autonomous, non-profit Research Institute, linked to Ministry of Textiles Government of India, for textile and allied research. It is the largest of its kind in India as Co-Operative Research Organization. ATIRA was declared as "Centre of Excellence in composite" by Ministry of Textiles, Government of India in March 2011. This is also supported by Govt. of Gujarat. ATIRA has so far established state-of-art facilities for Testing of Mechanical properties like strength, elongation, fatigue etc. related to composite materials and fibers like Glass, Carbon, and Aramid etc. and heat & flame properties of composite materials. ATIRA has unique facility to perform NDT by ultra-sonic, radiography, X-ray method. ATIRA is in the process of setting up testing facilities for evaluating electrical properties of composite materials. The processing facility covers the Pultrusion laboratory and vacuum infusion laboratory. It is having its registered office at Ambawadi Vistar, P.O., Ahmedabad 380 015 and (hereinafter referred to as "ATIRA" which expression shall include its successor-in-interest and assigns) on the second party.

Either or both may also be hereinafter referred to, individually as the "Party," and collectively as the "Parties."

2. Scope of Work

The primary objectives of this MoU are:

- 2.1. HNBGU and ATIRA to recognize each other as Centres of Excellence for Academic and Research collaborations and to share their facilities and resources for research and other mutual benefits.
- 2.2. To undertake joint research activities with National and International Funding support (for ex. GOI S&T agencies like DST, CSIR, SERC, etc.)
- 2.3. The scope covers mutual co-operation between ATIRA & HNBGU to collaborate with each other as strategic partners for undertaking collaborative R&D activities in composite materials and related thrust areas of technology for the benefit of the student fraternity and Industry in particular and the composite Sector at large.



2.4. Both the parties agree that they shall harness their complimentary resources (the resource persons/faculty, the Graduate/PG/Doctoral student fraternity of HNBGU and the Scientists of ATIRA would collaborate and leverage the facilities available at ATIRA and HNBGU) and expertise to work together to pursue co-operative research activities for the benefit of the composite and similar Sectors at large.

- a. Defining new areas of collaboration that have not been foreseen, but can be beneficial to the Parties.

The areas of cooperation may be revised by mutual consent. However, specific programmes may require separate agreements detailed out and documented as annexures to this MoU.

3. Responsibilities of ATIRA & HNBGU

- a) To identify specific contextual research themes/projects in consultation with stake holders including industry, as appropriate.
- b) Form Research teams consisting of ATIRA scientists and HNBGU faculty, on a project-to-project basis.
- c) Identify and establish a cost model for sourcing necessary materials, facilities/equipment, consumables, etc. The facilities/resource persons can be sourced either from sponsor, ATIRA or HNBGU, or others on a project-to-project basis.
- d) To formulate, design and offer co-branded, Industry focused programmes under Academy of Excellence for Advanced composite Technologies under ATIRA and HNBGU.

4. Outcomes / Deliverables:

- a) Knowledge Up gradation and Research Capability Enhancement of the HNBGU and ATIRA people.
- b) Development of capabilities and institutionalized platforms to work on the futuristic requirements of the composite and similar Sectors.



5. Financial Terms

The parties agreed to co-operate and otherwise act in good faith with the view to successful implementation of this MOU. There is no financial binding on either Party.

This MoU is intended to be a mutual undertaking of the parties hereto as at the date thereof.

6. Confidentiality:

- a. Both HNBSU and ATIRA acknowledge that certain Confidential information may be disclosed by one party to the other (the Party that owns and/or discloses the Confidential Information is hereinafter referred to as the "disclosing party" and the Party receiving or accessing such Confidential Information is referred to as "receiving party") during the tenure of this MoU or performance of the respective obligations under the resultant definitive agreements hereunder.

Confidential Information means all information identified as "Confidential", including but not limited to information concerning the trade secrets, intellectual property rights, know-how, formulae, processes, inventions, data, network configurations, system architecture, designs, flow charts, drawings, proprietary information, data or materials related to business, services, products, customers, employees, finances or operational information of either party, and any other confidential or proprietary information the disclosure of which might harm or destroy a competitive advantage of the disclosing party. The mode of communication of information:

- i. Written
- ii. Oral
- iii. Electronic or any other form
- iv. Both Technical & Non-Technical information

The receiving party shall not, directly or indirectly, disclose to any third party other than its employees, affiliated companies, and authorized agents any information concerning the disclosing party's business methods, products, customers or



finances, or any other Confidential Information which is disclosed to it by the disclosing party, without the prior written permission of the disclosing party, unless such disclosure is specifically required in the course of the performance by the receiving party of its obligations hereunder or under the resultant definitive agreements. The obligations of receiving party under this Section shall not extend to any information which: (i) is or becomes a matter of public knowledge, not as a result of any action of the receiving party; (ii) is lawfully in the possession of the receiving party prior to a disclosure hereunder; (iii) is received from a third party who lawfully acquired such information without restriction, and without a breach hereof, by the receiving party; (iv) is disclosed by the receiving party with the disclosing party's prior written approval (v) the information is independently developed by the receiving party, without use of the disclosing party's Confidential Information; (vi) is disclosed by the receiving party under operation of law or regulation or legal process;

- b. The Parties acknowledge that this MoU contains confidential information that shall be considered proprietary by both Parties, and agree to limit distribution of or disclosure about the Confidential Information hereunder and/or this MoU to those persons who have the access to confidential information within their respective organizations with a legitimate need to know the contents of this MoU. Neither party shall publicize or make any public announcement concerning the terms or nature of the relationship or this MoU without the prior written consent of the other party.
- c. HNBSGU and ATIRA both acknowledge that any breach by them of their respective obligations under this Section may cause irreparable harm to the other party for which its remedies at law may be inadequate and that in the event of any such breach either party shall be entitled to seek equitable relief (including without limitation injunctive relief and specific performance) in addition to other remedies provided hereunder or available at law.

Upon termination or dissolution of this MoU, or upon earlier demand thereof, each party shall at the other party's option, either destroy under written certification of such destruction or return to the other party all properties



containing the other party's confidential information and copies thereof in its possession. The deletion of information from the following sources:

- i. Computers
 - ii. Servers
 - iii. Storage devices, to the extent of failure to destroy the data, corresponding obligations are preserved.
- d. The Confidentiality Obligations under this Section shall survive during the term of this MoU and 3 years thereafter.

7. Guarantee, Liability

The parties shall properly perform, to the best of their knowledge and taking into account the current state of the art, all work assumed by them under this Agreement. Neither of the Parties gives any warranties concerning the accuracy and completeness of information disclosed and of objects transferred or concerning the non-existence of rights of third parties.

The Parties shall mutually waive any claims for themselves and their staff members in respect of any damage resulting from the performance of this Agreement excepting in case of intention or gross negligence. The respective liability for their interactions with the third parties shall not be affected by this waiver.

8. Intellectual Property Rights

8.1 For purposes of this MoU, the term "Intellectual Property" shall mean registered and unregistered inventions, copyrighted works, design, trade secrets, know-how, technical information and any other proprietary information of either party.

8.2 Each Party shall retain title to any Intellectual Property if developed authored, conceived or reduced to practice independently and solely by that Party during the performance of this MoU without the other Party's Intellectual Property. In such event, no license, express or implied, shall inure to the benefit of the other participating Party to prepare copies and derivative works of such copyrighted works or to make, use, sell and export/import products or processes incorporating such Intellectual Property, except as expressly provided herein.



9. Force Majeure

Neither Party shall be responsible for non-fulfillment of its obligations 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, Epidemics, Riots, Civil Commotions, Strikes and Lockouts, provided on the occurrence and cessation of any such event, either Party shall give a notice in writing to the other within 48 hours 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.

10. Governing Law and Dispute Resolution

This MoU shall be governed, interpreted and construed in accordance with laws of India. In the event of any dispute arising between the Parties, the dispute shall be resolved between Heads of the institutions.

11. 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.

12. Non- exclusive nature of this MoU.

This MoU shall be non-exclusive in its nature for all purpose.

13. Effective date & Duration of the MoU

This MoU comes in to effect from the date of its signing and will remain in force for three years, unless it is concluded or terminated on mutual consent by both the parties. However, the terms related to confidentiality/ secrecy will be respected by both the parties for a period of three (03) years even after such termination as provided in this MoU.



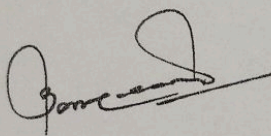
14. Notices.

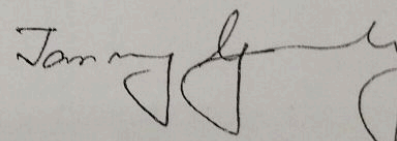
All notices, request, demands, consents, waivers or other communications required to be given by either party to the other pursuant to this Agreement shall be in English, in writing and shall be deemed to have been given when hand delivered by messenger or a courier or sent by registered post or speed post or facsimile (to be subsequently confirmed by a registered letter or by hand delivery) to the other Party at the following address:

In witness whereof the Parties here to have executed this MoU through their authorized representatives.

Signed For and on behalf of
Hemvati Nandan Bahuguna Garhwal
University

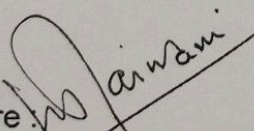
Signed For and on behalf of
Ahmedabad Textile Industry's
Research Association

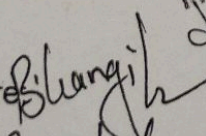
Signature: 
Name: **Dr. Ajay Kumar Khanduri**
Registrar
H.N.B. Garhwal University
(A Central University)
Srinagar (Garhwal)

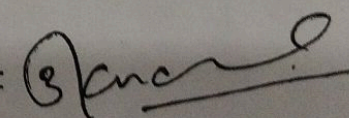
Signature: 
Name: **Dr. TANMOY GANGOPADHYAY**
By Director
ATIRA

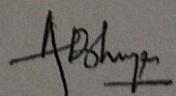


Witness:

Signature: 
Name & Address: **Prof. Y.P. Rana**
Dean
School of Engineering and Technology
H.N.B. Garhwal University
(A Central University)
Srinagar (Garhwal)

Signature: 
Name & Address: **Dr. Bijesh Chhang**

Signature: 
Name & Address: **Dr. Ankush Sharma**
Scientific officer, ATIRA

Signature: 
Name & Address: **ASHOK KUMAR BHUYAN**
Manager
ATIRA



This MEMORANDUM OF UNDERSTANDING DATED April 1st 2019

Between:

UNIVERSITY OF APPLIED FOREST SCIENCES ROTTENBURG, GERMANY

- and -

HNB-GARHWAL UNIVERSITY, SRINAGAR (GARHWAL), INDIA

WHEREAS:

- A. The Head of International Office of Applied Forest Sciences Rottenburg and the Vice Chancellor of the HNB-GARHWAL UNIVERSITY, SRINAGAR (GARHWAL), for the purpose of furthering cooperation through educational and academic exchanges, hereby affirm their intent to promote such cooperation activities as will be of mutual benefit for their respective institutions.

Cooperation activities are considered here to include but not be limited to:

1. Development of mutually beneficial academic programs and courses;
2. Coordination of academic staff mobility for purposes of teaching, research and training;
3. Coordination of student mobility programs for study and research;

4. A one month training programme with provision of boarding and lodging shall be provided;
 5. Coordination of academic activities such as joint research, publication and symposia;
 6. Exchange of documentation and research materials in fields of mutual interest provided that, to the best knowledge of the respective institutions, there is no prohibition at law or otherwise against the exchange;
 7. Other activities considered by the parties to be of benefit to each party's education and research programs; and
 8. Supporting arrangement for practical internships for students of both Universities.
- B. Details of the implementation of any particular cooperation activity resulting from this Memorandum of Understanding shall be negotiated between the two institutions as and such specific case may arise, and will be outlined in a Supplementary Agreement between the institutions to be signed by designated offices. Supplementary Agreements are subject always to availability of sufficient funds at the respective institutions.
- C. The institutions recognize that this cooperative relationship may result in the development of various types of intellectual property and technology transfer. The institutions are committed to working in good faith to develop fair principles for dealing with intellectual property and technology transfer, including ownership, use, publication, and confidentiality. These principles will be developed in accordance with the parties' respective policies and collective agreements and will be incorporated into the Supplementary Agreements.
- D. Both parties shall designate a liaison office for this Memorandum of Understanding and for any Supplementary Agreements. For the University of Applied Forest Sciences Rottenburg the office shall be the Akademisches Auslandsamt (International Office). For the University of H.N.B Garhwal University, the liaison office shall be the Department of Forestry & Natural Resources.
- E. Both universities shall not charge enrollment fees for visiting students except administration fees. Travel expenses are borne by visiting students and staff. Both universities support students in application for scholarships.

- F. This Memorandum of Understanding reflects the commitment of the institutions to academic educational and research cooperation as of the date first written above.
- G. This Memorandum of Understanding may be amended by mutual written agreement.
- H. This Memorandum of Understanding shall continue for next 5 years and may be terminated at any time by either party, provided that notice of termination is provided by the notifying party to the other party at least ninety (90) days in advance of the date on which the termination is intended to become effective. Any termination of this Memorandum of Understanding shall not have effect on any arrangement in place at the time that the notice is provided, where the arrangement arises from any Supplementary Agreements resulting from this Memorandum of Understanding. Supplementary Agreements may only be terminated in accordance with the terms contained therein.

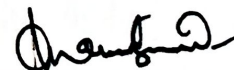
IN WITNESS WHEREOF the parties hereto have executed the Memorandum of Understanding as of the date first written above.



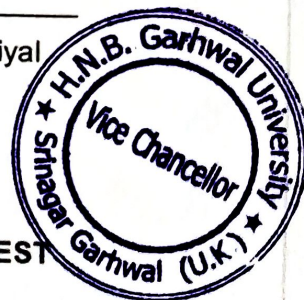
Witness Dr. A. R. Negi
Head, Dept. of Forestry & NR
HNB-Garhwal University
Srinagar-Garhwal

HNB-GARHWAL UNIVERSITY,
SRINAGAR (GARHWAL)

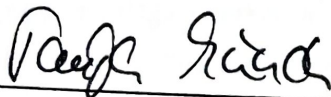
Per:



Prof. Annapurna Nautiyal
Vice Chancellor



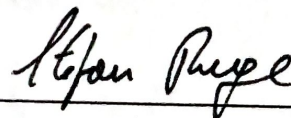
UNIVERSITY OF APPLIED FOREST
SCIENCES ROTTENBURG



Witness Mrs. Tanja Münch
International Office



Per:



Prof. Stefan Ruge
Head of International Office

कार्यालय आदेश

डा० आर०के० मैखुरी, साइंटिस्ट-जी, प्रभारी-क्षेत्रीय केन्द्र, जी०बी०पी०आई०एच०ई०एस० डी० श्रीनगर गढ़वाल को हाइफा विश्वविद्यालय हाइफा, इजराइल व हे०न०ब० गढ़वाल विश्वविद्यालय के मध्य हुए एम०ओ०यू० की प्रति एवं इस हेतु गठित समिति का कार्यालय आदेश सं० HNBGU/RO/2019/529 व HNBGU/RO/2019/530 दिनांक 26.11.2019 इस आशय के साथ संलग्न कर प्रेषित किया जा रहा है कि उक्त समिति में आपको माननीय कुलपति महोदया के आदेशानुसार सह-सदस्य नियुक्त किया जाता है।

आज्ञा से,
कुलपति

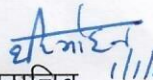
हेमवती नन्दन बहुगुणा गढ़वाल विश्वविद्यालय, श्रीनगर गढ़वाल

संदर्भ सं० : शैक्षणिक / 2020 / ०१

दिनांक : ०१ जनवरी, 2020

प्रतिलिपि निम्नलिखित के सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित :-

1. समिति के समस्त सदस्य महानुभावों को।
2. निदेशक-आई०क्यू०ए०सी० / एफ०डी०सी०।
3. संयुक्त कुलसचिव / समस्त उप कुलसचिव / सहायक कुलसचिव।
4. सिस्टम मैनेजर को इस आशय के साथ प्रेषित कि उक्त अधिसूचना को विश्वविद्यालय की वेबसाइट पर अपलोड करना सुनिश्चित करें।
5. निजी सचिव-कुलपति, माननीय कुलपति महोदया के सादर सूचनार्थ।
6. निजी सचिव-कुलसचिव / वित्त अधिकारी।


कुलसचिव 11/1/2020
कृते



FRAMEWORK FOR ACADEMIC COLLABORATION

Between

**HNB Garhwal (Central) University Srinagar, Garhwal,
Uttarakhand, India**

**And University of Haifa,
Haifa, Israel,**

The HNB Garhwal (Central) University Srinagar, Garhwal, Uttarakhand, India represented by Prof. Annpurna Nautiyal, Vice-Chancellor, who is fully authorized to execute this agreement in her position(s) as Vice-Chancellor,

and

The University of Haifa, Israel, represented by Prof. Ron Robin, and Prof. Gustavo Mesch, who are fully authorized to execute this Agreement in their respective positions as President, and Rector.

(hereinafter referred to collectively as the "Parties" or individually as the "Party"),

Whereas

The Parties have decided to enter into this Framework of Academic Collaboration (the "Agreement") in order to promote, facilitate and consolidate international cooperation in education and research, based on the principles of reciprocity and mutual benefit.

Decide as follows:

Article 1. Areas of Cooperation

The areas of cooperation shall include, subject to mutual consent, any activity or program at either institution as considered feasible and desirable on either side in order to foster and develop the cooperative academic relationship between the two parties.

Article 2. Modes of Cooperation

The implementation of research and study programs determined in conformity with Article 1 may be carried out through the joint realization of research projects and teaching programs at the location of both Parties, according to the modalities specified in Article 4 of this Agreement.

More specifically, these are the modes of cooperation that may be used in a separate appendix to which the parties agree to, included the following:

- Exchange of scholars
- Joint research projects
- Joint teaching and/or supervision of students
- Joint participation in workshops and/or conference days
- Student mobility and prospective exchange of students (as may be mutually agreed upon)
- Participation of students in Study Abroad programs hosted by each institution.

Article 3. Liaison

Where needed, the Parties will appoint a faculty member as coordinator of the activities entailed in this general framework agreement who will also be responsible for facilitating and maintaining communication with the other Party for that purpose.

Article 4. Specific Cooperation Agreements

Nothing in this Framework Agreement shall be construed as creating any legal or financial relationship or commitment between the two Parties.

The terms of collaboration and the necessary funding for each program and activity shall be mutually negotiated, discussed and agreed upon in writing by both Parties in separate specific cooperation agreements prior to the initiation of any particular program or activity. Each institution will designate where needed, a lead coordinator for the activities or programs of potential cooperation that may form the basis for specific cooperation agreements to be executed between the parties.

Besides implementation modalities specifying academic, organizational, technical and financial aspects, specific cooperation agreements shall contain terms relating to intellectual property rights and procedures for publication etc.

Article 5. Principles

All participants will be treated in the same non-discriminatory manner in carrying out the provisions of the agreement, subject to the provisions of the policies and requirements of each of the institutions.

Article 6. Terms of Cooperation

6.1 Duration

This Framework Agreement shall commence on the later of the two dates of signature of the parties, this being the date when both parties have duly accepted the conditions laid down in this Agreement. The Agreement shall be in force for five (5) years and may be renewed or extended by mutual written consent of the authorized officials of the parties to it.

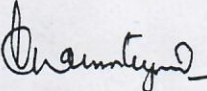
6.2 Amendments

Any amendment and/or modification of the Framework Agreement will require written approval of both Parties and shall be appended hereto.

6.3 Termination for convenience

Either Party reserves the right to terminate this Agreement at any time, for any or no reason, subject to ninety (90) days prior written notice to the other party hereto. Any program or activity that has already commenced pursuant to specific cooperation agreements executed between the parties hereto, if executed, shall survive termination of this Agreement and be completed to the best of both parties' abilities pursuant and subject to the terms of the relevant specific cooperation agreement.

Date: 24.11.2019

Signed: 

HNB Garhwal (Central) University Srinagar,
Garhwal, Uttarakhand, India

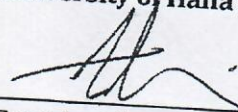
Vice-Chancellor,
Prof. Annpurna Nautiyal



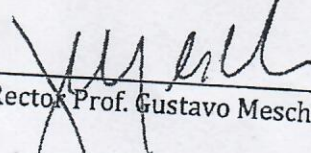
Date: 24.11.2019.

Signed:

University of Haifa



President Prof. Ron Robin



Rector Prof. Gustavo Mesch

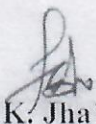


OFFICE ORDER

With approval of Hon'ble Vice Chancellor, a task force committee is hereby constituted with the following members for establishment and meetings of a Consortium of the Central Universities of the Indian Himalayan States.

Constitution of committee is as follows:

1. Prof. Y.P. Sundriyal, Deptt. of Geology – Convener
2. Prof. A.R. Nautiyal, HAPPRC
3. Prof. R.P.S. Negi, Deptt. of History
4. Dr. Prashant Kandari, Deptt. of Economics


Dr. (A.K. Jha)
Registrar


H.N.B. GARHWAL UNIVERSITY, SRINAGAR (GARHWAL) UTTARAKHAND
(A Central University)

Ref. No.: HNBGU/RO/2019/529

Dated : 26/11/2019

Copy for information and necessary action to:-

1. All above concerned.
2. PS to VC – for kind information of Hon'ble Vice-Chancellor.
3. Guard File.

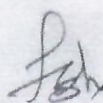

Dr. (A.K. Jha)
Registrar

OFFICE ORDER

With approval of Hon'ble Vice Chancellor, a task force committee is hereby constituted with the following members to work on joint projects and MoU with University of Haifa, Israel.

Constitution of committee is as follows:

1. Prof. M.C. Nautiyal, HAPPRC
2. Prof. Y.P. Sundriyal, Deptt. of Geology
3. Prof. R.C. Bhatt, Deptt. of History
4. Prof. R.P.S. Negi, Deptt. of History
5. Dr. B.S. Bhandari, Deptt. of Botany
6. Dr. R.S. Fartyal, Deptt. of Zoology
7. Dr. Prashant Kandari, Deptt. of Economics
8. Dr. Alok Sagar Gautam, Deptt. of Physics


Dr. (A.K. Jha)
Registrar


H.N.B. GARHWAL UNIVERSITY, SRINAGAR (GARHWAL) UTTARAKHAND
(A Central University)

Ref. No.: HNBGU/RO/2019/530

Dated : 26/ 11 /2019

Copy for information and necessary action to:-

1. All above concerned.
2. PS to VC – for kind information of Hon'ble Vice-Chancellor.
3. Guard File.


Dr. (A.K. Jha)
Registrar

This Memorandum of Understanding (MOU) is made on 22nd Feb. 2020

BETWEEN

Department of Pharmaceutical Sciences, HNB Garhwal University (A Central University) Srinagar-Garhwal (UK) herein after called as **HNBGU** represented by its Principal herein named as party one

AND

ISF College of Pharmacy (An Autonomous College), Moga (Punjab) hereafter called **ISFCP** which is represented by its Director herein named as party Two

1. Preamble

Department of Pharmaceutical Sciences, HNB Garhwal University (A Central University) Srinagar-Garhwal is charged with responsibility of training technical and scientific manpower in front-line areas of pharmacy and is also contributing to the rapidly growing scientific and technological knowledge and professional excellence in pharmacy.

WHEREAS, ISFCP is premier Pharmacy Institute and engaged in providing platform to emerging scientists by day to day research, innovations, design, development and consultancy in the field of Pharmacy and related areas. UGC granted Autonomous College Status to Institute. NIRF-2019 ranked 23 in Pharmacy category in India.

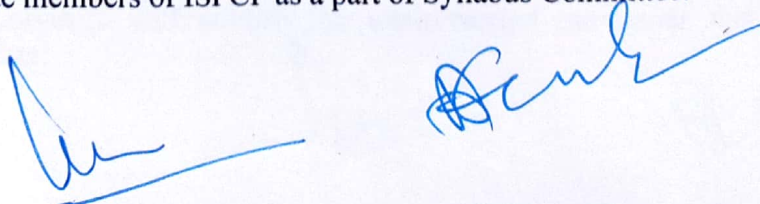
WHEREAS, both HNBGU and ISFCP, now

- Recognizing the importance of research and development in the areas TO BE INTRODUCED HERE, as well as
- Imparting practical training to the Pharmacy students.
- Appreciating the need for creation of large reservoir of highly qualified manpower in all fields related to Pharmacy
- Desiring to club their efforts by pooling their expertise and resources,
- Intend to form a nucleus for promoting excellent quality manpower in the fields of pharmacy.

NOW, THEREFORE, in consideration of the mutual promises made herein and of good and valuable consideration, the receipt and sufficiency of which both HNBGU and ISFCP hereby acknowledge, HNBGU and ISFCP hereby agree to sign a memorandum of understanding (MOU).

2. Objectives:

1. ISFCP will facilitate to provide Industry defined projects/Trouble shooting projects to research students /faculty of HNBGU
2. ISFCP will facilitate onsite Training and Industrial visit to Pharmacy students of HNBGU
3. ISFCP will facilitate for project work of research students
4. HNBGU and ISFCP will jointly organize Technical Seminars/ Workshops.
5. HNBGU will invite ISFCP experts for examination of M.Pharm. course.
6. HNBGU will schedule class room mentoring session by ISFCP members.
7. HNBGU will invite members of ISFCP as a part of Syllabus Committee.



The parties hitherto agree as follows:

ARTICLE-I: SCOPE OF THE MOU

This MOU details the modalities and general conditions regarding collaboration between HNBGU and ISFCP for enhancing, within the country, the availability of highly qualified manpower in the areas of TO BE INTRODUCED HERE without any prejudice to prevailing rules and regulations in HNBGU and ISFCP without any disregard to any mechanism evolved and approved by the competent authorities under Govt. of India in so far as such mechanism applies to HNBGU and ISFCP. The areas of cooperation can be extended through mutual consent.

ARTICLE-II: SCOPE AND TERMS OF INTERACTIONS

Both HNBGU and ISFCP shall encourage interactions between the Pharmacy Students, Research fellows, faculty members and students of both the organizations through the following arrangements:

- a) Exchange of personnel through deputation as per the rules of the respective institute, for limited periods as mutually agreed upon;
- b) Organization of joint conferences and seminars;
- c) Practical training of HNBGU students at ISFCP;
- d) Joint guidance of student projects/thesis in TO BE INTRODUCED HERE and other areas of national interest at HNBGU by ISFCP on mutually agreeable terms.
- e) ISFCP would accommodate B. Pharm. & M. Pharm. students who have completed the 5th & 2nd semester respectively, of their programme in such a number that ISFCP deems convenient to it for the purpose of imparting practical training.
- f) ISFCP may depute its personnel as visiting faculty at HNBGU to teach any of the regular Course or specialized topics.
- g) HNBGU faculty, as well as research scholars, may also be allowed to enroll for their Ph.D. /M. Pharm. at IFSCP, subject to availability of seats, research facilities and subject to their fulfilling eligibility criteria and all other academic regulations of IFSCP. Further, IFSCP may request to design and teach a Course or Courses which it deems fit to enhance quality and performance of its employees. Such Courses may be run at any mutually convenient premises.
- h) ISFCP may avail library, Internet, computational facilities at HNBGU & reverse.
- i) The students will carry out part of their Ph.D. research work project at HNBGU and ISFCP depending on the nature of the work as per rules of the respective institute depending on facilities and requirements.
- j) Both HNBGU and IFSCP will be free to independently carry out follow-up research on the thesis work conducted under this scheme.
- k) If the outcome of a project related to product development, process, technology and design etc. which involves matter of secrecy and concern with security of the State and the Country, the same will not be allowed for publication/printing in any form.. If the outcome of a project results into an intellectual property, for which rights can be secured, it will be decided on case to case basis. Similarly, sharing of expenditure in securing such rights and income accrued through royalty etc by the parties under the law will be decided on case to case basis after mutual consultation.
- l) Research supervisors from both the Institutes will be the corresponding authors in any publication resulting from the collaborative work. All the efforts put by the student/s as a part of this MOU will be accounted for by way of reporting the work in thesis and/or paper publication except the part for which IPR needs be claimed.
- m) Neither of the supervisors will publish the work carried out under this MOU without knowledge of the other.

any of the activities mentioned above, the payment conditions, etc. would be spelt out clearly before starting the activity.

ARTICLE-III: SHARING OF FACILITIES

- a) HNBGU and ISFCP shall make provisions to share their respective important R&D facilities in order to promote academic and research interaction in the areas of cooperation.
- b) HNBGU and ISFCP shall permit the sharing software and other materials and components developed in-house in the areas of cooperation, if permissible within the rules governing the two institutions. However, responsibility for safety of software and other materials during the exchange will rest on respective Head of academic department/section.
- c) HNBGU and ISFCP shall provide access to the library facilities to scientists, members of faculty and students as per the prevailing rules and norms in the respective institutes.

ARTICLE-IV: CO-ORDINATION OF THE PROGRAMME INCLUDING FINANCIAL ARRANGEMENTS

- a) The collaborative programme between HNBGU and ISFCP shall be coordinated by a coordination committee appointed by Directors of both the Institutes.
- b) Financial arrangements for each specific collaboration will be decided on a case to-case basis and brought on record in each case after due approval from heads of both the Institutions.

ARTICLE-V: EFFECTIVE DATE AND DURATION OF MOU

- a) This MOU shall be effective from the date of its approval by competent authorities at both ends.
- b) The duration of the MOU shall be for a period of **5 years** from the effective date.
- c) During its tenancy, the MOU may be extended or terminated by a prior notice of not less than six months by either party. However, termination of the MOU will not in any manner affect the interests of the students/faculty/scientists who have been admitted to pursue a programme under the MOU.
- d) Any clause or article of the MOU may be modified or amended by mutual agreement of ISFCP and HNBGU.

ARTICLE-VI: IPR

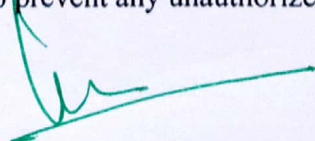
Rights regarding publications, patents, royalty, ownership of software/design/product developed etc. under the scope of this MOU, shall be decided by the two parties by mutual consent.

ARTICLE-VII: CONFIDENTIALITY

During the tenure of the MOU both HNBGU and ISFCP will maintain strict confidentiality and prevent disclosure of all the information and data exchanged under the scope of this MOU for any purpose other than in accordance with this MOU.

Both HNBGU and IFSCP shall bind their respective personnel who come into possession or knowledge of any confidential information not to disclose the same to third parties without written approval of the disclosing party or use such confidential information for any use other than intended under this agreement or projects.

Further both HNBGU and ISFCP shall put in place adequate and reasonable measures to keep and store confidential information secure so as to prevent any unauthorized use.



Any amendment and/or addenda to the AGREEMENT shall be in writing and signed by the PARTIES hereto and shall only after such execution be deemed to form part of the AGREEMENT and have the effect of modifying the AGREEMENT to the extent required by such amendment or addenda.

ARTICLE-IX: RESOLUTION OF DISPUTES

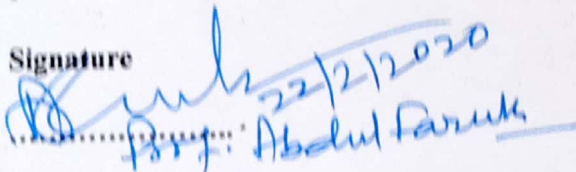
- a) This agreement shall take effect and be construed in accordance with the Laws of India.
- b) The dispute or difference whatsoever arises between PARTIES in relation to or in connection with this AGREEMENT both the parties shall first try to resolve the dispute/difference amicably between themselves, failing which the matter shall be referred to and settled through arbitration. The arbitration proceedings shall be held in accordance with the provision of Indian Arbitration and Reconciliation ACT, 1996.

ARTICLE-X: MISCELLANEOUS

- a) The headings and sub-headings are inserted for convenience only and shall not affect the construction of this Agreement.
- b) Both HNBGU and ISFCP shall not, during the term of this Agreement directly or indirectly, solicit or offer employment or engagement to any of the personnel of other party without the prior consent in writing of that other party.
- c) No failure to exercise and no delay in exercising, on the part of a Party, and right, remedy, power or privilege hereunder shall operate as a waiver thereof, nor shall any single or partial exercise of any right, remedy, power or privilege hereunder preclude any other or further exercise thereof or the exercise of any other right, remedy, power or privilege. The rights, remedies, power and privileges herein provided are cumulative and not exclusive of any right, remedies, powers and privileges provided by law.
- d) After this Agreement has been signed, all preceding understandings/negotiations and correspondence pertaining to it shall become null and void.

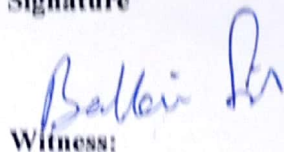
IN WITNESS WHEREOF PARTIES HERE TO HAVE ENTERED INTO THIS AGREEMENT EFFECTIVE AS ON THE DATE AND YEAR FIRST WRITTEN ABOVE.

Signature

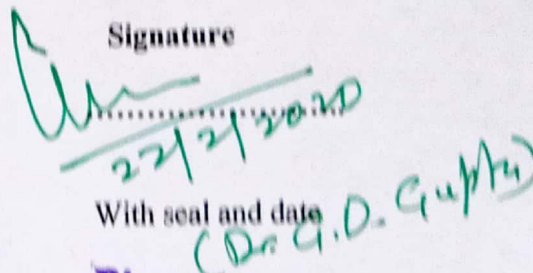

22/2/2020
Prof. Abdul Faruk

Head
With seal and date
Department of Pharmaceutical sciences
H.N.B. Garhwal University
Srinagar (Garhwal), Uttarakhand

Signature


Witness:
Balbir Singh
CNDU, A-502

Signature


22/2/2020
With seal and date
(Dr. G.D. Gupta)

Director/Principal
ISF College of Pharmacy, Moga
(An Autonomous College)

Witness:

R K Narang
W/S/790, GOSINDERS
Basti, G.T. Road
Moga

Sponsored Project

Memorandum of Understanding (MoU)

Between

Indian Institute of Technology Kanpur

And

Hemvati Nandan Bahuguna Garhwal University, Srinagar Garhwal

This MoU is effective as of 15th Dec, 2021 (date) (Effective Date) by and between

Indian Institute of Technology Kanpur, an Institute established under a special act of Parliament of Republic of India, incorporated under the Institutes of Technology Act, 1961, having its office at Kanpur 208016, India hereinafter referred to as IITK, of the FIRST PART.

And

Hemvati Nandan Bahuguna Garhwal University (A Central University), an Institute under UGC Act 1956 and having its registered office at Srinagar, Uttarakhand, India, hereinafter referred to as HNBGU, of the SECOND PART.

The aforesaid institutions are hereinafter referred to individually as Party and collectively as the Parties.

Whereas Prof. T. H. Syed, Department of Earth Sciences, (hereinafter referred to as IITK **Principal Investigator (IITK PI)**) will initiate the Ministry of Earth Science (MoES) sponsored project titled "Characterization of Groundwater in seismically active regions of Uttarakhand, India: implications for earthquake induced variations (Project No. MOES-ES-2021185) (hereinafter referred to as Project). He and his research team at IITK will receive/disclose Confidential Information on behalf of IITK and will be solely responsible for non-disclosure of the Confidential Information received from HNBGU.

Whereas **Prof. H. C. Nainwal**, Department of Geology, School of Earth Science, HNB Garhwal University (hereinafter referred to as HNBGU **Principal Collaborator (PC)**) will facilitate all intellectual interaction and administer personnel/staff hired for the Project.

Whereas the Parties desire to record the broad terms and conditions that are jointly accepted and agreed to in this MoU as contained hereunder.

1. Definition:

- (a) HNBGU know-how shall mean and include all know-how of methods, material, software,



designs, patterns, formats, proprietary technical literature, and information developed, owned and provided by HNBGU, which are required for the Project.

(b) IITK know-how shall mean and include all know-how of methods, material, software, designs, patterns, formats, proprietary technical literature, and information developed, published or otherwise owned and provided by IITK, which are required for the Project.

(c) HNBGU Team shall mean Principal Collaborator (PC) and the personnel or staff deputed by HNBGU for the Project.

(d) Principal Investigator Research Team shall comprise the Principal Investigator (IITK PI), Co-Investigators and research personnel participating in the Project(s) from IITK.

2. Items/areas of collaboration/deliverables:

Technical specifications of the Project are given in Annexure A to this MoU.

3. Activities and roles of the Parties:

(a) IITK shall recruit the project assistant with the help of HNBGU. The recruitment formalities will be completed by IITK. It will have the financial responsibility for the payment of Rs. 20,000 + 16% HRA (per month) to the project assistant (personnel/staff) hired for the Project. Additionally, an amount up to Rs. 5,000/- per month will be provided to project assistant by IITK PI towards the TA/DA expenses to collect the samples from Agastyamuni, Gopeshwar and Saldhar (hot spring) from the project fund.

(b) HNBGU shall facilitate and guide the Project Assistant or staff hired by IITK for monthly collection of groundwater, surface water and hot spring samples from locations specified by the IITK PI.

(c) HNBGU shall facilitate and guide the Project Assistant or staff hired by IITK to deliver the collected samples to the laboratory in National Institute of Hydrology (NIH), Roorkee for chemical analysis.

(d) The Project Assistant or staff hired by IITK will be stationed at HNBGU Srinagar and will work/collect the samples under the supervision of the PC in HNBGU.

(e) HNBGU will help IITK PI to make separate provisions with Govt. PG College Agastyamuni and Institute of Technology, Gopeshwar for the safety and security of the instrument and equipment installed at Agastyamuni and Gopeshwar, respectively.

(f) IITK shall be responsible for the maintenance and upkeep of the equipment installed or established for the Project.

(g) IITK shall have the ownership rights of all the monitoring stations established, and the equipment in it, utilizing Project funds.

4. Intellectual Property Rights:



Ownership of and any intellectual property (including but not limited to data generated, confidential information, know-how, patents, copyrights, design rights, rights relating to computer software, and any other intellectual property rights) developed during the course of this Project shall be vested in IITK.

The authorship of scientific publication(s) resulting from this project will be shared with HBNGU PC and other faculties involved in the project.

Any utilization or publication regarding such intellectual property shall be possible only with the prior approval from IITK PI.

5. Effective date, duration, termination of the MoU:

The MoU shall be effective from the Effective Date upon signatures and shall remain in force for 3 years or the till the project continues whichever is less. The Parties shall extend the MoU by such a period equal to the period in case the Project gets extended by written agreement signed by both the Parties.

The project work may be terminated by either party by giving the other party a written notice of 60 days. However, both parties will ensure that the provisions of this MoU shall continue to apply to all activities in progress until their completion. Clauses relating to Intellectual Property Rights, governing laws shall survive the termination or expiration of this MoU.

6. Conflict Resolution:

This MoU is subject to Indian law. The parties will try to settle all disputes concerning this MoU in an amicable way. In case of any dispute, the same shall be referred to the Vice Chancellor of HNGBU and the Director, IITK or his nominee for arbitration. Reference made shall be deemed to have been made under the provisions of the Arbitration and Conciliation Act, 1996 or any statutory modification/re-enactment thereof and rules made there under. The award of the arbitrator shall be binding on both the parties. In case, however, the arbitrators are unable to come to a conclusion, then they will appoint an umpire whose decision shall be final and binding on both the parties.

7. Force Majeure:

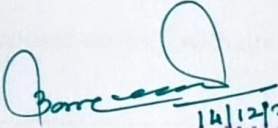
Each party shall be excused from performance of the MoU only to the extent that the performance is prevented by conditions beyond reasonable control of the affected party. The party claiming excuse for the delayed performance will promptly notify the other party and will resume its performance as soon as performance is possible.




Seal of the parties

In witness thereof, the parties hereto have signed this MoU on the date, month and year mentioned hereinbefore.

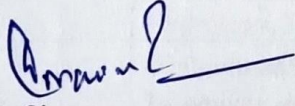
For and on behalf of HNBGU


14/12/21 Registrar
H.N.B. Garhwal University
(A Central University)
Srinagar (Garhwal)
Signature
Name: Dr. A. K. Khanduri
Designation: Registrar (HNBGU)
Date: 14/12/2021

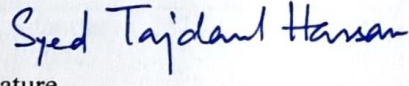
For and on behalf of IITK

अधिष्ठाता
DEAN
अनुसंधान एवं विकास
Research & Development
आई० आई० टी० कानपुर
I. I. T. KANPUR

Signature
Name: Prof. A. R. Harish
Designation: Dean, R & D, IIT Kanpur
Date:

In the presence of Witness (from HNBGU)


Signature
Name: Dr. H. C. Nainwal
Designation: Professor
Date: 14/12/2021

In the presence of Witness (from IITK)


Signature
Name: Dr. Tajdarul Hassan Syed
Designation: Associate Professor (PI)
Date:

Enclosed:

Annexure A: Technical specifications of the project

Annexure B: Project sanction letter from Ministry of Earth Science (MoES)



Annexure A

Technical specifications of the Project

1. Objectives: To ensure successful completion of the project titled “Characterization of Groundwater in seismically active regions of Uttarakhand, India: implications for earthquake induced variations
2. Proposed activity with timeline:

| Sl. No. | Proposed activity | Timeline |
|---------|--|--------------------------------|
| 1 | Obligations/commitments on the part of the HNBGU: To provide expertise for field sampling, exchange of ideas, hiring of necessary personnel (project assistant) to ensure monthly/bi-monthly collection of groundwater, surface water and hot spring samples, and delivering the samples to Laboratory of Dr. Sudhir Kumar in National Institute of Hydrology, Roorkee for chemical analysis | January, 2022 – December, 2024 |
| 2. | Obligations/commitments on the part of IITK: To provide monthly financial support for the salary of the project assistant and maintenance of equipment, and intellectual support to enable future collaboration. | January, 2022 – December, 2024 |



MoES/P.O.(Seismo)/1(321)/2017
Government of India
Ministry of Earth Sciences
Seismology Division

Prithvi Bhawan,
Lodhi Road,
New Delhi – 110003.
Dated: 30/04/2020

ADMINISTRATIVE ORDER

Sub.: Financial assistance for the research project entitled, "Characterization of Groundwater in seismically active regions of Uttarakhand, India: Implications for earthquake induced variations."

PI: Dr. Tajdarul Hassan Syed, Department of applied Geology, IIT (ISM), Dhandbad.

Co-PI: Prof. Dr. Sudhir Kumar, National Institute of Hydrology (NIH), Roorkee.

Co-PI: Shri Tathagata Chakraborty, SAC- ISRO, Ahmedabad.

Approval of the Competent authority is hereby conveyed under Rule 20 of the Delegation of Financial Power Rules, 1978, for the above-mentioned project at a total cost of Rs.96,41,146/- (Rupees ninety six lakh forty one thousand and one hundred forty six only) for a period of three years i.e.2020-2023. The items of expenditure for which the total allocation of Rs. 96,41,146/- has been approved are given below:

| S.No. | Item | I year | II year | III year | Total |
|-------|---|---------------------------|------------------|------------------|----------------------------|
| A | Recurring | | | | Amount in Rs. |
| 1. | Manpower JRF @31,000/- pm with HRA @16% SRF @35,000/- pm with HRA @16% Project Assistant@20,000/- pm with HRA @16% | 4,31,520/- | 4,31,520/- | 4,87,200/- | 13,50,240/- |
| 2. | Consumables | 20,000/- | 20,000/- | 20,000/- | 60,000/- |
| 3. | Travel | 1,50,000/- | 1,70,000/- | 1,70,000/- | 4,90,000/- |
| 4. | Contingency | 50,000/- | 50,000/- | 50,000/- | 1,50,000/- |
| 5. | Other Costs (a)Analytical charges (b) Drilling of two boreholes upto 100 m depth and Construction of two Piezometers | 5,00,000/- 19,61,800/- | 5,00,000/- -- | 5,00,000/- -- | 15,00,000/- 19,61,800/- |
| | Total (A) | 33,91,720/- | 14,49,920/- | 15,05,600/- | 63,47,240/- |
| B. | Non Recurring | | | | |
| 1. | Groundwater monitoring sonde with telemetry and two years AMC | 26,01,406/- | -- | -- | 26,01,406/- |
| 2. | Portable water quality analysis kit | 1,65,500/- | -- | -- | 1,65,500/- |
| 3. | Computers and peripherals | 2,50,000/- | -- | -- | 2,50,000/- |
| 4. | UPS | 1,27,000/- | -- | -- | 1,27,000/- |
| | Total (B) | 31,43,906/- | Nil | Nil | 31,43,906/- |
| C | Overhead | 50,000/- | 50,000/- | 50,000/- | 1,50,000/- |
| | Grand Total(A+B+C) | 65,85,626/- | 14,99,920/- | 15,55,600/- | 96,41,146/- |



R. B. Jaiswal
30/4/2020

2. Objectives

- I. Monitor groundwater level and groundwater quality in the active seismic belts of Uttarakhand at 2 sites.
- II. Analyze and characterize space-time variations in groundwater with respect to contemporary seismic events.
- III. Develop a process-based understanding of the observed anomalies and the mechanisms triggering them.
- IV. Explore the potential to utilize groundwater anomalies for the development of precursor for earthquakes.

3. The expenditure will be booked under the following head:

| | |
|----------|---|
| 3425 | - Other Scientific Research (Major Head) |
| 60.200 | - Assistance to Other Scientific Bodies (Minor Head) |
| 52 | - Research Education and Training Outreach (REACHOUT) |
| 52.00.31 | - Grants-in-aid-General for the year 2020-21 |

4. Other Terms & conditions:

- I. Utilization certificate and statement of expenditure for the expenditure incurred shall be submitted periodically in the prescribed format.
- II. The grantee organization will maintain separate audited account for the project and the entire amount of grant will be kept in an interest bearing bank account. The interest earned/accrued should be reported to MoES (financial year wise) while submitting the Statement of Expenditure/ Utilization Certificate.
- III. MoES reserves sole right on the assets created out of grants. Assets acquired wholly or substantially out of government grants (except those declared as obsolete and unserviceable or condemned in accordance with the procedure laid down in GFR 2017), shall not be disposed of without obtaining the prior approval of MoES.
- IV. Allocation of budget is tentative and subject to changes after review of progress, both physical and financial as recommended by the Committee of Experts.
- V. As per Rule 230(8) of GFR 2017, all interest or other earning against Grant-in-aid released to the grantee Institution should be mandatorily remitted to the Consolidated Fund of India immediately after finalization of the account. It should not be allowed to be adjusted against future release.
- VI. A list of equipments procured and other assets created for this project from the funds released shall be provided to MoES in the prescribed format as per GFR. The ownership in the physical and intellectual assets created or acquired out of MoES funds shall vest in MoES.
- VII. All equipments / assets procured out of MoES grant shall be maintained by the grantee institute and will be available for use by other researchers.
- VIII. All equipments / assets procured from MoES fund shall be maintained in the stock register of the grantee Institute and should not treat such assets as their own assets in their Book of Accounts but should disclose their holding and using such assets in the Notes to Accounts specifically. No asset/equipment shall be diverted and /or disposed of without prior approval of the competent authority in MoES.
- IX. Codal Provisions as conveyed in GFR, manual on Policies and Procedures for purchase of Goods and GoI instructions issued from time to time for services and requisition of research personnel shall be ensured.
- IX. This sanction is subject to the condition that the grantee organization will furnish to the Ministry of Earth Sciences, financial year wise Utilization Certificate (UC) in the proforma prescribed as per GFR 2017, audited statement of expenditure (SE) along with up to date progress report at the end of each financial year duly reflecting the interest earned / accrued on the grants received under the project and DBT details of the manpower as per the enclosed proforma



R. Majumdar
30/4/2020

- X. Expenditure, Advance and Transfer (EAT) module of PFMS should be activated for the grants released under the project and expenditure under the project shall be monitored through EAT module.
- XI. While submitting Utilisation Certificate/Statement of Expenditure, the organisation must ensure submission of supporting documentary evidences with regard to purchase of equipment/capital assets as per the provisions of GFR 2017. Subsequent release of grants under the project shall be considered only on receipt of the said documents.
- XII. The Position of project staff is co-terminus with the duration of the project & MoES would have no liability towards such manpower costs beyond the duration of the project.
- XIII. Overhead expenses are meant for the host Institute towards the cost for providing infrastructural facilities and benefits to the staff employed in the project, etc.
- XIV. While implementing the programme all relevant procedures will be followed and the Ministry shall be apprised of the progress of the project from time to time.
- XV. The account of the grantee organisation shall be open to inspection by the sanctioning authority and audit (both by C&AG of India and Internal Audit by the Principal Accounts Office of the MoES), whenever the organisation is called upon to do so, as laid down under Rule 236(1) of General Financial Rules 2017.

5. This issues with the concurrence of IFD Vide their Concurrence Dy. No. 30(R)/IFD/6660/2020-21/REACHOUT dated 28/04/2020 and approval of the Secretary vide Dy. No.6660/Secy./2020-21 dated 29/04/2020.

(R. Bagavathi)

Under Secretary to the Govt. of India

To,

Pay and Accounts Officer, MoES, New Delhi – 110 003

Copy forwarded for information and necessary action to:

1. The Principal Director of Audit, Scientific Department, IIIrd Floor, AGCR Building, IP Estate, New Delhi – 110 002.
2. **The Director, Indian Institute of Technology (Indian School of Mines) Dhanbad, Dhanbad-826004, Jharkhand.**
3. **Dr. Tajdarul Hassan Syed, Department of Applied Geology, Indian Institute of Technology (Indian School of Mines) Dhanbad, Dhanbad-826004, Jharkhand.**
4. **Prof. Dr. Sudhir Kumar, Scientist-G, Head, Hydrological Investigations Division, National Institute of Hydrology (NIH), Roorkee-247667, Uttarkhand.**
5. **Shri Tathagata Chakraborty, Scientist/Engineer 'SC', Space Applications Centre (SAC) - ISRO, Ahmedabad-380015, Gujarat.**
6. Cash section, MoES (*with two spare copy of the sanction for making necessary payment to the grantee.*)
7. Sanction Folder/ File copy.
8. Head (REACHOUT), MoES, New Delhi.

R. Bagavathi
(R. Bagavathi) 3/4/2020

Under Secretary to the Govt. of India

MoES/P.O.(Seismo)/1(321)/2017
Government of India
Ministry of Earth Sciences
Seismology Division

Prithvi Bhawan,
Lodhi Road,
New Delhi – 110003.
Dated: 30/04/2020

SANCTION ORDER

Sub.: Financial assistance for the research project entitled, "Characterization of Groundwater in seismically active regions of Uttarakhand, India: Implications for earthquake induced variations."

PI: Dr. Tajdarul Hassan Syed, Department of applied Geology, IIT (ISM), Dhanbad.
Co-PI: Prof. Dr. Sudhir Kumar, National Institute of Hydrology (NIH), Roorkee.
Co-PI: Shri Tathagata Chakraborty, SAC- ISRO, Ahmedabad

In pursuance of A.O. of even no. dated 30/04/2020, Sanction of Competent authority is hereby conveyed under Rule 20 of the Delegation of Financial Power Rules, 1978, for the release of an amount of Rs.65,85,626/- (Rupees sixty five lakh eighty five thousand and six hundred twenty six only) to the Director, Indian Institute of Technology (Indian School of Mines) Dhanbad, Dhanbad as the first installment in the CFY 2020-21 for implementation of the project as follows:

| S. No | Head | Amount in Rupees |
|-------|---------------|------------------|
| 1. | Salary | 7,09,920/- |
| 2. | Consumables | 20,000/- |
| 3. | Travel | 1,50,000/- |
| 4. | Contingency | 50,000/- |
| 5. | Other Costs | 24,61,800/- |
| 6. | Non-Recurring | 31,43,906/- |
| 7. | Overhead | 50,000/- |
| 8. | Total | 65,85,626/- |

2. This sanction is subject to the condition that the grantee organisation will furnish to the Ministry of Earth Sciences, Financial year wise Utilization Certificate (UC) in the proforma prescribed as per GFR 2017 and audited statement of expenditure (SE) along with up to date progress report at the end of each financial year duly reflecting the interest earned/ accrued on the grants received under the project. This is also subject to the condition of submission of the final statement of expenditure, utilization certificate.

3. The grantee organisation will have to enter & upload the Utilization Certificate in the PFMS portal besides sending it in physical form to this Division. The subsequent/final installment will be released only after confirmation of the acceptance of the UC by the Division and entry of previous Utilization Certificate in the PFMS.

4. If the grant has been released under capital head through separate sanction order under the same project for purchase of equipments(s), separate SE/UC has to be furnished for the released Capital head grant.

5. Overhead expenses are meant for the host institute towards the cost for providing infrastructural facilities and benefits to the staff employed in the project, etc.

B. Bagewshi
30/4/2020



6. The Grant-in-aid being released is subject to the condition that
 - a. A transparent procurement procedure in line with the Provisions of General Financial Rules 2017 will be followed by the Institute/Organisation under the appropriate rules of the grantee organisation while procuring capital assets sanctioned for the above mentioned project and a certificate to this effect will be submitted by the Grantee organisation immediately on receipt of the grant.
 - b. While submitting Utilization Certificate/Statement of Expenditure, the organisation has to ensure submission of supporting documentary evidences with regard to purchase of equipment/capital assets as per the provisions of GFR 2017. Subsequent release of grants under the project shall be considered only on receipt of the said documents.
7. It is desirable to have MoES nominee in the selection process for recruitment of JRF/SRF/RA/Scientists in the project.
8. The position of project staff is co-terminus with the duration of the project & MoES would have no liability towards such manpower costs beyond the duration of the project.
9. The grantee organisation will maintain separate audited account for the project and the entire amount of grant will be kept in an interest bearing bank account. The interest earned/accrued should be reported to MoES (financial year wise) while submitting the Statement of Expenditure/Utilization Certificate. As per rule 230(8) of GFR 2017, all interests or other earnings against Grants-in-aid released to the grantee Institution should be mandatorily remitted to the Consolidated Fund of India immediately after finalization of the accounts. It should not be allowed to be adjusted against future releases.
10. MoES reserves sole right on the assets created out of grants. Assets acquired wholly or substantially out of government grants (except those declared as obsolete and unserviceable or condemned in accordance with the procedure laid down in GFR 2017), shall not be disposed of without obtaining the prior approval of MoES.
11. Expenditure, Advance and Transfer (EAT) module of PFMS should be activated for the grants released under the project and expenditure under the project shall be monitored through EAT module.
12. The account of the grantee organisation shall be open to inspection by the sanctioning authority and audit (both by C&AG of India and Internal Audit by the Principal Accounts Office of the MoES), whenever the organisation is called upon to do so, as laid down under Rule 236(1) of General Financial Rules 2017.
13. All the future correspondence regarding the project may be addressed to Head (REACHOUT), MoES.
14. Data acquired under the project needs to be sent to Ministry regularly and it should not be shared with any private agency/foreigner, without prior approval of MoES.
15. The expenditure involved is debit able to Demand No. 23 Ministry of Earth Sciences

| | |
|----------|---|
| 3425 | - Other Scientific Research (Major Head) |
| 60.200 | - Assistance to Other Scientific Bodies (Minor Head) |
| 52 | - Research Education and Training Outreach (REACHOUT) |
| 52.00.31 | - Grants-in-aid-General for the year 2020-21 |

R. B. Gargi
30/4/2020



16. The amount of Rs.65,85,626/- (Rupees sixty five lakh eighty five thousand and six hundred twenty six only) sanctioned in para 1, will be drawn by DDO, MoES and will be disbursed to the Director, Indian Institute of Technology (Indian School of Mines) Dhanbad, Dhanbad through RTGS as per following details:

| | | |
|------------------|---|---|
| Name of the Bank | : | Canara Bank |
| Type of Account | : | Savings Account |
| IFSC Code | : | CNRB0000986 |
| Account No. | : | 0986101009746 |
| MICR No. | : | 826015003 |
| Branch Name | : | Canara Bank, Serraidhela Branch, Dhanbad-828127 |

17. As per Rule 234 of GFR 2017, this sanction has been entered at S. No. 04 Page No. 66 in the register of grants maintained in the Division of the scheme (REACHOUT).

18. This issues with the concurrence of IFD Vide their Concurrence Dy. No. 30(R)/IFD/6660/2020-21/REACHOUT dated 28/04/2020 and approval of the Secretary vide Dy. No.6660/Secy./2020-21 dated 29/04/2020.

R. Bagavathi
30/4/2020
(R. Bagavathi)

Under Secretary to the Govt. of India

To,

Pay and Accounts Officer, MoES, New Delhi – 110 003

Copy forwarded for information and necessary action to:

1. The Principal Director of Audit, Scientific Department, IIIrd Floor, AGCR Building, IP Estate, New Delhi – 110 002
2. The Director, Indian Institute of Technology (Indian School of Mines) Dhanbad, Dhanbad-826004, Jharkhand.
3. Dr. Tajdarul Hassan Syed, Department of Applied Geology, Indian Institute of Technology (Indian School of Mines) Dhanbad, Dhanbad-826004, Jharkhand.
4. Prof. Dr. Sudhir Kumar, Scientist-G, Head, Hydrological Investigations Division, National Institute of Hydrology (NIH), Roorkee-247667, Uttarkhand.
5. Shri Tathagata Chakraborty, Scientist/Engineer 'SC', Space Applications Centre (SAC) - ISRO, Ahmedabad-380015, Gujarat.
6. Cash section, MoES (with two spare copy of the sanction for making necessary payment to the grantee.)
7. Sanction Folder/ File copy.
8. Head (REACHOUT), MoES, New Delhi

R. Bagavathi
30/4/2020
(R. Bagavathi)

Under Secretary to the Govt. of India



01



INDIA NON JUDICIAL

Government of National Capital Territory of Delhi

e-Stamp

सत्यमेव जयते

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| Certificate No. | : IN-DL77428322040661S |
| Certificate Issued Date | : 03-Sep-2020 03:27 PM |
| Account Reference | : IMPACC (IV)/ di792203/ DELHI/ DL-DLH |
| Unique Doc. Reference | : SUBIN-DL79220362191300839190S |
| Purchased by | : JIVANTI WELFARE AND CHARITABLE TRUST |
| Description of Document | : Article Others |
| Property Description | : Not Applicable |
| Consideration Price (Rs.) | : 0 (Zero) |
| First Party | : JIVANTI WELFARE AND CHARITABLE TRUST |
| Second Party | : Not Applicable |
| Stamp Duty Paid By | : JIVANTI WELFARE AND CHARITABLE TRUST |
| Stamp Duty Amount(Rs.) | : 100 (One Hundred only) |



[Signature]
Director

.....Please write or type below this line.....

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding is made and executed on this 15th September of Two Thousand Twenty at New Delhi BETWEEN JIVANTI WELFARE AND CHARITABLE TRUST (JWCT), a Trust under India Trust Act and having its registered office at 8/3 Asaf Ali Road, New Delhi-110002- hereinafter referred to as the "JWCT" in this MoU which expression shall unless repugnant to the context include its successors, nominees and assignees, the **PARTY OF THE FIRST PART,**

For Jivanti Welfare And Charitable Trust

[Signature]

Statutory Alert:

1. The authenticity of this Stamp Certificate should be verified at "www.shcilestamp.com". Any discrepancy in the details on this Certificate and as available on the website renders it invalid.
2. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority.

Authorised Signatory

AND

HIGH ALTITUDE PLANT PHYSIOLOGY RESEARCH CENTRE, Post Box 14, Srinagar-246174, Uttarakhand, a research centre established by **Hemvati Nandan Bahuguna Garhwal University (A Central University)**, hereinafter the research centre referred to as the "**HAPPRC**" the **PARTY OF THE SECOND PART** in this MoU, represented by its Director, which expression shall unless excluded by or repugnant to the context be deemed to mean and include its executors, administrators, representatives, successors and assigns etc.

WHEREAS the **JWCT** is focused mainly on fulfilment of welfare and charitable obligations towards society at large through advancement of equal opportunities for education, providing food, healthcare, medical care, ensuring environmental sustainability, enhanced vocational skills and advancement of any other objects of general public welfare.

WHEREAS **JWCT** has adopted conservation and sustainable development of biological diversity as part of **Dabur India Limited** Corporate Social Responsibility and has designed an integrated programme through a community centric Project based approach and for this purpose approached the **HAPPRC** for a collaborative cultivation and conservation programme in Uttarakhand.

WHEREAS, both **JWCT** and **HAPPRC** have mutually agreed for a collaborative project in Uttarakhand state for consecutive three financial years i.e. **2020-21, 2021-22 & 2022-23**.

AND WHEREAS the parties herein have arrived at the modalities and agreed to document operative modalities, mutual responsibilities and obligations for these activities through this Memorandum of Understanding.

NOW THIS MEMORANDUM OF UNDERSTANDING WITNESSETH AS UNDER: -

1. That the signing parties to work together with a common goal of ensuring sustainable resource augmentation of few selected medicinal plant species through mass scale propagation, plantation and conservation of species and thereby ensure improvement in livelihood opportunities for regional communities and environmental sustainability.
2. The species were identified for inclusion under the project jointly by **JWCT** and **HAPPRC**. Both the signing parties agree to promote all conservation approach and resource augmentation for the selected species in the private lands owned by communities and other mutually agreed locations within the selected region of Uttarakhand state.
3. In the context of Medicinal plants, the signing parties have identified the following species and same to be included on priority under this Memorandum of Understanding:
 - 3.1. Species for standardization of mass scale development of Quality Planting Material (QPM) and further cultivation programme in farmers and community owned land. Further an important aspect of Rhizospheric studies of the below listed plants:

Authorised Signatory

Director

- 3.1.1. Jatamansi (*Nardostachys grandiflora*)
 - 3.1.2. Vatsanabha/ Mitha vish (*Aconitum balfourii*)
 - 3.1.3. Atis (*Aconitum heterophyllum*)
 - 3.1.4. Kutki (*Picrorhiza kurroo*)
 - 3.1.5. Kuth (*Saussurea costus*)
 - 3.1.6. Sugandhbala (*Valeriana wallichii*)
- 3.2. The above species were identified for inclusion under the project jointly by JWCT with consultation with Dabur India Limited and HAPPRC. Both the signing parties agree to promote the conservation and resource augmentation for the above species in the lands owned by tribal community/farmers preferable in the high altitude region as- Bageshwar, Nainital, Tehri, Rudraprayag, Pauri, Pithoragarh and Chamoli districts of Uttarakhand (As per suitable climatic conditions for plantation of these selected species).

4. Technical Programme:

Mass scale planation of quality planting materials of high value threatened medicinal species is one of the viable options for conservation and sustainable utilization. It will also provide great livelihood opportunities to the poor and marginal farmers in rural areas. The present project has been proposed in these lines with the following technicalities

- 4.1. Mass scale production and multiplication arrangement of quality planting material through nursery development and utilization of other regional resource of public and private sector.
- 4.2. Distribution of plantlets for extensive plantations of the species in suitable areas.
- 4.3. Training and skill development of the farmers for plantation, maintenance/ after care harvesting and post- harvest management of the selected species.
- 4.4. To develop plantations and harvesting protocols of the species for future replications.
- 4.5. To ensure people's participation in long term maintenance of the plantation for their optimum production.
- 4.6. Income augmentation through livelihood support generation for small and marginal farmers (especially women).
- 4.7. Conduct Research and Domestication of the selected species for promoting cultivation.
- 4.8. Rhizospheric studies of Vatsanabh, Jatamansi etc. will be carried out in joint collaboration between Dabur & HAPPRC

5. Responsibilities of JWCT:

- 5.1. All the responsibilities assigned to JWCT under this MoU will be fulfilled through assistance from M/s Dabur India Limited.
- 5.2. Technical support to HAPPRC in project for effective deployment of the project through our regional resource and from HO on need basis.
- 5.3. Selection of elite germplasm basis the scientific assessments & technical inputs for mother stocks availability and collection assistance as well.

For Jivanti Weifare And Charitable Trust

Authorised Signatory

Director

5.4. Financial grants as shown under clause-7.

6. Responsibilities of HAPPRC:

- 6.1. Awareness creation among local communities about high conservation value of the MAP species.
- 6.2. To initiate people's participation-based activities on niche area plantations, sustainable harvesting and management practices on the species.
- 6.3. Identification of planting location in the project areas and community mobilization. For this purpose, **HAPPRC** is free to assign the project to existing village institutions like Self Help Groups (SHGs) and Village Organizations (VOs). They will be working as "Supervisors" and report plantation status on a regular basis.
- 6.4. Establishment of nursery for mass scale development of Quality Planting Material (QPM) as per targets.
- 6.5. Arrangement of QPM for the selected species through own nursery production/arrangement, distribution and monitoring. For the purpose the society can explore the other facilities and outsource the QPM from authentic source. **HAPPRC** will ensure the number of sapling as per the plantation target mentioned in Annexure 1.
- 6.6. Extensive plantation of the species on suitable sites with proper long-term monitoring and maintenance.
- 6.7. Best planting season should be ensured by **HAPPRC** to overcome the mortality. Any number difference in the planting target will meet out in next consecutive year.
- 6.8. Training and capacity building of the selected farmers for plantations and sustainable harvesting.
- 6.9. Development and publication of plantation and harvesting protocols on the species for future replications.
- 6.10. Documentation of baseline data with reference to demographic profile, income levels and goal setting in terms of livelihood promotion.
- 6.11. Periodical project monitoring in terms of progression and to redress the constraints in programme implementation.
- 6.12. Networking with Government and Village level institutions for smooth implementation of programme
- 6.13. **HAPPRC** is free to arrange the targeted saplings from Forest department nursery/other reliable agencies in case of non-production/less production at their own nursery.

7. Financial Aspects:

- 7.1. The financial needs of the project have been jointly worked out by the signing parties. Accordingly, the total project cost is pegged at **Rs. 31,03,100/-** (Thirty one lakhs three thousand and one hundred only) **to be spent over a period of three financial years, detailed in Annexure 1.**
- 7.2. The fund will be released as annual grant of Rs. 8,52,500/-, 10,23,000/- and 12,27,600/- respectively for 3 consecutive financial year of the tenure (2020-21, 2021-22 and 2022-23). The total annually grant will be released in two equal

For Jivanti Welfare And Charitable Trust

Authorised Signatory

Director

instalments. First 50% will be released within three weeks of signing the MoU and rest 50% grants will be released after due physical verification and receiving of UC of last given grant/s as on authentic format along with technical report till time. Financial obligation will be same for the year 2 and 3.

- 7.3. The cost assessments shown for Year-2 and Year-3 are tentative & calculated on the assumption that overall scope & deliverables of the project would be maintained as such. The budgetary components shall be revisited in the event of any revision in the project component.
- 7.4. HAPPRC will ensure the submission of receipt of the grant and utilization certificate after the completion of targeted work with complete report on quarterly basis.
- 7.5. The HAPPRC is also supposed to adhere with the timelines proposed under the MOU detailed in Annexure 2 and Annexure 3.

8. The Project Deliverables:

- 8.1. The plantation in the selected areas of Uttarakhand with an aim to natural resource augmentation and supplement the livelihood of local community through sustainable harvesting.
- 8.2. Methods to develop sustainable plant part collection in an eco-friendly manner may be by engaging with other partners.
- 8.3. Both the signing parties to abide by the same and work together to ensure that, the targets of the project are met effectively.
- 8.4. Submission of report has to be ensured by HAPPRC on quarterly basis as per the prescribed format under CSR norms.
- 8.5. Social benefit aspects for the outcome of project.
- 8.6. Sharing of scientific data outcome and publication from this project.

9. Amendments & Termination Clauses:

- 9.1. The MoU shall stand valid up to 31st March 2023 only.
- 9.2. The MoU can be amended by mutual consent among the signing parties at any point of time during its tenure.
- 9.3. Either of the signing parties may express its intent to terminate the agreement with a prior notice of at least, 2 months. During such notice period, both parties discuss and agree upon modalities for terminating the same. HAPPRC agrees to refund the amount released by JWCT after deducting the costs of the project on pro-rata basis and also submit the Utilization Certificate against the grant spent already.

- 10. **Force Majeure Clause:** Both parties agree to terminate the project amicably and without touching any contentious issues in the events of major adverse situations which may not allow the sustenance of the project like but not limited to economic, political and natural factors which go beyond the control of both the parties.

For Jivanti Welfare And Charitable Trust

Authorised Signatory


Director

11. Publications & Publicity:

- 11.1. Both the signing parties agree that, researcher involved in this study can publish research findings in public domain. Investigators/Institute will properly acknowledge the financial support received from the JWCT in the publications emanating from the research findings of the project.
- 11.2. Patentable information will be pursued with mutual consultation between both parties.
- 11.3. Similarly, both parties agree to desist from availing any publicity mileage upon the organizational reputation of the other party- by methods like but not limited to, usage of emblems/logos etc. without express consent.
12. That, both the parties agree to settle any differences of opinion through a process of mutual discussions and consultations.
13. That, in the event of any dispute and/or differences between the parties hereto, the same shall be referred to arbitration under the provisions of the Arbitration and Conciliation Act, 1996 and any amendment or statutory modifications made thereto. The courts at New Delhi alone shall have the jurisdiction for this purpose.

IN WITNESS WHEREOF the parties hereto have signed this Memorandum of Understanding on this day, month and year first above written.

Witness-1(i):

B. N. Sumbali
(Badevi, Navayan 902,
C-4, Capetown, Supermarket
Sec-74, Noida)
[Signature]

Witness-1(ii):

DR. Pankaj Prasad Raturi
Flat No. 417
Mahagun Mesto, Sec-50
Noida, U.P. India 201304

Witness-2:

For and On Behalf of Jivanti Welfare and Charitable Trust (JWCT)

Name: *A. SUDHAKAR*
[Signature]



For and On behalf of High Altitude Plant Physiology Research Centre (HAPPRC)

[Signature]
HAPPRC P.O. No. 14
H.N.B. Garhwal University
(A Central University)
Director/HOD, HAPPRC (Garhwal) U.K.
PIN - 246174

Prof. M.C. Nautiyal
Incharge, Research Cell, HNBGU

[Signature]
5.10.2021
Prof. Annapurna Nautiyal
Vice-Chancellor, HNBGU

Vice Chancellor
H.N.B. Garhwal University
(A Central University)
Srinagar Garhwal-246174
Uttarakhand (India)

Annexure-1: Financial Implications

| Items | Year I | Year II | Year III | Total |
|--|-----------------|------------------|------------------|------------------|
| A) Non-Recurring expenditure | - | - | - | |
| B) Recurring expenditure | | | | |
| 1. Planting materials and agriculture tools | 70,000 | 84,000 | 1,00,800 | 2,54,800 |
| 2. Salaries/Wages | 6,00,000 | 7,20,000 | 8,64,000 | 21,84,000 |
| 3. Travel (POL and TA/DA) for visit to fields stations and farmers' fields | 75,000 | 90,000 | 1,08,000 | 2,73,000 |
| 4. Contingency (stationary, typing, printing, etc.), consumables and miscellaneous items | 30,000 | 36,000 | 43,200 | 1,09,200 |
| Total Rs. (A+B) | 7,75,000 | 9,30,000 | 11,16,000 | 28,21,000 |
| Institutional overhead charges (10%) | 77,500 | 93,000 | 1,11,600 | 2,82,100 |
| Total (Rs.) | 8.52 lac | 10.23 Lac | 12.27 Lac | 31.03 Lac |

For Jivanti Welfare And Charitable Trust

Authorised Signatory

Director

Annexure-2: Physical Target and Progress Verification

| Sr. No | Species | 1 st | 2 nd | 3 rd | Scope in subsequent years | Remarks |
|--------|---|--|---|--|--|--|
| 1. | Jatamasi (<i>Nardostachys grandiflora</i>) | Seed collection and seed sowing (250 gm) | Seed collection and seed sowing. Sustaining seedlings and Transplantation (150000) | Maintenance of Saplings in the farmer's field and observation and trials for optimization of production (150000 saplings). Transplantation of seedlings against mortality. | 12.5 quintal from 1.0 ha of land on the basis of 25 Kg production from one nali of land. | The grant will be released in two equal installments. The first grant will be released after signing of MoU and second installment will be released after physical verification/evaluation i.e. based on UC proportionate to farmers training/mobilization, infrastructure/logistic progress and no. of plantation |
| 2. | Kuth (<i>Saussurea costus</i>) | Seed collection and seed sowing (1.0 Kg) | Seed collection and seed sowing. Sustaining seedlings (33000) and Transplantation (28000) | Maintenance of Saplings in the farmer's field and observation and trials for optimization of production (28000 saplings, 35 quintal from 1.0ha of land). Transplantation of seedlings against mortality. | 35.0 quintal from 1.0 ha of land on the basis of 70 Kg production from one nali of land. | |
| 3. | Kutki (<i>Picrorhiza kurroa</i>) | Seed collection and seed sowing (200 gm) | Seed collection and seed sowing. Sustaining seedlings (13,80,000) and Transplantation (1,10,0000) | Maintenance of Saplings in the farmer's field and observation and trials for optimization of production (1, 10,000 saplings, 10 quintal production from 1.0 ha of land). Transplantation of seedlings against mortality. | 10.0 quintal from 1.0 ha of land on the basis of 20 kg production from one nali of land. | |
| 4. | Atis (<i>Aconitum heterophyllum</i>) | Seed collection and seed sowing | Seed collection and seed sowing. Sustaining | Maintenance of Saplings in the farmer's field and observation and trials | 2.5 quintal from 1.0 ha of land on the | |

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Director

| | | | | | | |
|----|--|---|--|--|--|--------------------------------------|
| | | sowing (1.0 Kg) | seedlings (2,50,000) and Transplantation (1,60,000) | for optimization of production (1,60,000 saplings and 2.5 quintal from 1.0 ha of land). Transplantation of seedlings against mortality. | basis of 5 Kg production from one nali of land. | n and producti on achieved, |
| 5. | Vatsnabh (<i>Aconitum balfourii</i>) | Seed collecti on and seed sowing (100 gram) | Seed collection and seed sowing. Sustaining seedlings and Transplantation (2500) | Maintenance of Saplings in the farmer's field and observation and trials for optimization of production (2500 saplings, 9 Kg from one nali of land). Transplantation of seedlings against mortality. | 9.0 Kg productio n from one nali of land. | |
| 6. | #Tagar/Sug andhbala (<i>Valeriana wallichii</i>) | Seed collecti on and seed sowing (1.0 Kg) | Seed collection and seed sowing. Sustaining seedlings and Transplantation (1,70,000) | Maintenance of Saplings in the farmer's field and observation and trials for optimization of production (1,70,000 saplings, 22 quintal production from 1.0ha of land). Transplantation of seedlings against mortality | 22.0 quintal from 1.ha of land on the basis of 22 Kg productio n from one nali of land. | |

*The expected work should be completed within the stipulated/decided time. However, under certain special circumstances, in case the work is not completed, it may be carried forward to next year. #Seeds will be collect in the month of April-May in IInd year.

Points need to be noted:-

- 1. Cultivation target:** Initially 1.0 ha of land for each species.
- 2. Large scale seedlings development:** Depends on availability of seeds, germination and seedlings survivability.
- 3. Production:** Expected production depends on growth and care of saplings/plants in farmers' fields.

For Jivanti Welfare And Charitable Trust

Authorised Signatory

Director

4. **Harvesting:** Possibly after 3rd year but same may be harvested in fourth to fifth year also as per climatic condition of the area. The first right of refuse will of JWCT on procurement of the RM of the selected species.

5. **Raising and maintenance of seedlings for transplantation:** Seedlings of the proposed species will be raised inside the glass house facility of the institute in winter months and then transfer to the Field Stations, Pothibasa (2200m asl), Baniyakund (2460m asl), Chopta and Lumkundi (1250m asl) in the month of March-April for further growth and transplantation to farmers field as and when required.

6. **Exchange of quality germplasm (Seeds/Roots/Rhizomes):** Funding agency will provide the improved germplasm, if any, of proposed species to implementing agency for multiplication and transplantation into farmers' field.

6. **Assurance for completing the proposed work:** All the work related to project will be done honestly and on propriety basis for achieving the target within a stipulated time period.

7. **Assurance for timely purchasing of farmers produce:** On behalf of funding agency, project implementing agency will assure to farmers for timely purchasing of their produce.

For Jivanti Welfare And Charitable Trust

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Director

Annexure-3: Proposed work with Timeline

| S. No. | Annual Work Parameter | Activity Months | |
|--------|--|---------------------------------|--------------------|
| | | April-September | October-March |
| 1. | Seed collection and seed sowing | | |
| | Jatamasi (<i>Nardostachys grandiflora</i>) | | October - November |
| | Kuth (<i>Saussurea costus</i>) | August-September to Mid-October | |
| | Kutki (<i>Picrorhiza kurroo</i>) | September | |
| | Atis (<i>Aconitum heterophyllum</i>) | | October - November |
| | Vatsnabh (<i>Aconitum balfourii</i>) | | October-November |
| | Tagar/Sugandhbala (<i>Valeriana wallichii</i>) | April-May | |
| | | | |
| 2. | Sustainability of the seedlings (QPM) numbers in the nursery | To be done | To be done |
| | Transplantation of the seedlings in the farmers' fields | | |
| | Jatamansi (<i>Nardostachys grandiflora</i>) | April-August | |
| | Kuth (<i>Saussurea costus</i>) | April-August | |
| | Kutki (<i>Picrorhiza kurroo</i>) | April-August | |
| | Atis (<i>Aconitum heterophyllum</i>) | April-August | |
| | Vatsnabh (<i>Aconitum balfourii</i>) | April-August | |
| | Tagar/Sugandhbala (<i>Valeriana wallichii</i>) | July-August | |
| 4. | Sustainability of the saplings and replacements of mortality if any (species wise) | To be done | To be done |
| | | | |
| 5. | Sustainability of the saplings and production | To be done | To be done |
| | | | |

For Jivanti Welfare And Charitable Trust

Authorised Signatory

(Dr. Vijay Kant Purohit)
Sr. Scientific Officer & Project Investigator

Director



Memorandum of Understanding (MoU)

Between

High Altitude Plant Physiology Research Centre (HAPPRC)

{Post Box No. 14, HNB Garhwal University, Srinagar 246174 Uttarakhand}

and

Cultivator Natural Products Private Limited (CNPPL)

{Plot No. 24 to 31 & 25 to 30, Khasra No. 135/1, Sonamukhi Nagar, Sangaria Fanta, Jodhpur 342013 Rajasthan}

As part of a constant endeavor to promote mutual understanding, promotion of scientific/ industrial collaboration and commercial cultivation of medicinal herbs, an agreement is hereby entered into on cooperation between High Altitude Plant Physiology Research Centre (HAPPRC), Hemvati Nandan Bahuguna Garhwal University, Srinagar (Garhwal), Uttarakhand, India represented by its Director Prof. A. R. Nautiyal and Cultivator Natural Products Private Limited (CNPPL), Jodhpur, Rajasthan represented by its Director Mr. Tarun Prajapati / Executive-CSR, Mr. Bhoja Ram.

This MoU is entered on the day 03/12/2020 (DD/MM/YYYY) between High Altitude Plant Physiology Research Centre (HAPPRC) and Cultivator Natural Products Private Limited (CNPPL) empaneled for promotion of commercial cultivation and facilitating buyback farming arrangements of medicinal plants and exchange of industrial exposure to students of M.Sc., Medicinal and Aromatic Plants.

PREAMBLE

Whereas the High Altitude Plant Physiology Research Centre (HAPPRC) has decided to engage Cultivator Natural Products Private Limited (CNPPL) for the promotion of commercial cultivation and facilitating buyback farming arrangements of medicinal plants in the state of Uttarakhand under Organic and Fair For Life programme: certification standard for Fair Trade and responsible supply-chains (Name of programme) covering approximately 1000 farmers. Simultaneously, CNPPL will facilitate the students of M.Sc. Medicinal and Aromatic Plants about industrial exposure of the students.

High Altitude Plant Physiology Research Centre (HAPPRC) and Cultivator Natural Products Private Limited (CNPPL) will ensure that following key activities involved under commercial cultivation are duly followed: -

1. The selection of districts, blocks and villages will be done by the CNPPL in consultation with the HAPPRC.
2. The staffing and expenditure on the specified activities should be strictly in conformity with the process guideline of CNPPL.
3. A detailed survey of selected villages will be conducted regarding the socio-economic conditions, prospects and problems in agriculture production.
4. Selection of farmers will be in such a way that Organic Grower Group (OGGs) will be organized on the basis of homogeneity of crop production. Each OGG so formed will consist of 25-500 farmers with common interest.
5. CNPPL will work to encourage as a procurement agency under the Minimum Support Price (MSP) procurement.
6. The expenditure on Organic and other types of certificates will be borne by CNPPL.
7. A labour type manpower (01 No.) should be deployed by the CNPPL for the said task (raising and maintenance of planting materials), which should be supervised and guided by technically qualified and experienced persons of HAPPRC.
8. Pre decided payment to labour will be released by CNPPL after approved by HAPPRC.

For Cultivator Natural Products Pvt. Ltd.

Director

Director

9. **HAPPRC** will work with **CNPPL** to direct support (likes e.g. Agrotechniques of medicinal plants; Suggestions for project location of various medicinal plant species; arranging planting materials free of cost; technical supports; training to Farmers/Farmer Groups; etc.) for working needs of OGGs. **HAPPRC** will also work with all relevant stakeholders to achieve 100% empowerment and capacity building for members of OGGs.
10. **HAPPRC** to act as a single window for technical support, training needs, research and knowledge management to **CNPPL**. **HAPPRC** will provide all- round support to **CNPPL** engaged in promotion and development of commercial cultivation of medicinal plants. In particular, **HAPPRC** will create sustainable linkages between **CNPPL** and Farmers/Farmer Groups.
11. **HAPPRC** will provide seed, saplings and other planting material free of cost to producers for extending production.
12. **CNPPL** will be facilitate the M.Sc. Students of the **HAPPRC** about industrial exposure.

The MoU will come into effect from the date of most recent signature and is entered into for a period of 3 years. Thereafter it shall be automatically extended for an additional time period, if required. The period of validity of this agreement may be terminated with in this period by either party by giving at least six months' notice in writing to other party.

Notification of any change in Director's role may be made by letter without amending this MoU.

Cultivator Natural Products Private Limited (**CNPPL**), Jodhpur, Rajasthan and High Altitude Plant Physiology Research Centre (**HAPPRC**), HNB Garhwal University, Srinagar (Garhwal), Uttarakhand shall execute this MoU to the best of their knowledge and ability.

Place: Srinagar Garhwal

Date of Signing: 03/12/2020

On behalf of Cultivator Natural Products Private Limited (**CNPPL**), Jodhpur, Rajasthan

Mr. Tarun Prajapati
Director

On behalf of High Altitude Plant Physiology Research Centre (**HAPPRC**), HNB Garhwal University, Srinagar (Garhwal), Uttarakhand

Prof. A. R. Nautiyal
Director/HOD

Prof. M. C. Nautiyal
In-charge Research Cell

Prof. Annapurna Nautiyal
Vice-Chancellor

Vice Chancellor
HNB Garhwal University
(A Deemed to be University)
Srinagar Garhwal - 246174
Uttarakhand

**MEMORANDUM OF UNDERSTANDING
BETWEEN
DEPARTMENT OF PHYSICS
HEMVATI NANDAN BAHUGUNA GARHWAL UNIVERSITY
AND
THE GRADUATE SCHOOL OF HUMAN HEALTH SCIENCES
TOKYO METROPOLITAN UNIVERSITY**

The Department of Physics, Hemvati Nandan Bahuguna Garhwal University in India and the Graduate School of Human Health Sciences, Tokyo Metropolitan University in Japan entered into this Memorandum of Understanding (hereinafter referred to as "MoU") with the objective to promote academic cooperation and exchange, based upon the principles of equality and reciprocity, between the two institutions.

1. Scope of Cooperation and Exchange

A. Exchange of Academic Staff

Each institution may receive members of the academic staff of the other institution to give lectures, to engage in joint or individual research, or for other educational purposes.

B. Exchange of Students

Each institution agrees to accept students of the other institution for a short term study program and research visits within a period up to ninety (90) days (hereinafter referred to as "Short Term Program"). Any student exchange activities involving credit-bearing courses for one semester or one academic year shall not be included in the Short Term Program. The details of each Short Term Program shall be set forth in a separate written individual agreement between the two institutions.

C. Cooperation in Research

Both institutions shall strive to cooperate in research by exploring means of promoting symposia, research conferences, the exchange of academic information, the publication of research, and the collection and sharing of research materials and data.

D. Other Exchange

The institutions shall strive to cooperate in any other educational and academic exchanges to which they may both agree.

2. Financial Matters

This MoU imposes no financial obligation on either institution.

3. Data Protection

Both institutions acknowledge and agree that they need to collect, process, use, disclose and manage personal data relating to academic staff and students in accordance with the policies, rules and regulations of the host Institution, which that has agreed to receive students and staffs from the other institution for a period of exchange, and all applicable laws of the country where it is located solely for the purposes of the administration of academic cooperation and exchange under this MoU. Both institutions shall ensure that such personal data are held securely and confidentially at all times.

4. Intellectual Property Rights

This MoU shall not grant to either institution any license or right to the intellectual property of the other institution. Intellectual property rights associated with activities under this MoU should be determined based upon the existing policies of both institutions and subject to applicable laws. In the case of a conflict, intellectual property rights should be negotiated on a case by case basis.

5. Term, Termination, and Amendment

This MoU shall commence on 04/01/2021 and remain in force for five (5) years. Thereafter this MoU shall be renewed for a specific period by mutual agreement in writing between both institutions.

Either institution may terminate this MoU during the term of the MoU by giving written notice to the other institution at least twelve (12) months prior to the date such institution wishes to terminate. However, exchange students and staffs who have already been admitted prior to the proposed termination date shall be allowed to complete his/her study or research within twelve (12) months following the proposed termination date.

No amendments and modifications of any provision of this MoU shall be effective unless made in writing and duly signed by both institutions.

6. Dispute Resolution

Any dispute or claim arising out of or in relation to this MoU shall be resolved in good faith between the two institutions. If the dispute cannot be resolved informally, it shall be referred to a senior post-holder within each institution.

Any dispute or claim not resolved to the satisfaction of both institutions further to the dispute resolution efforts above shall be submitted to the Tokyo District Court, Japan.

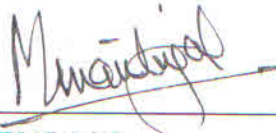
7. Governing Law

Both institutions agree this MoU is governed by and construed in accordance with the laws of Japan without regard to the principles of the conflict of laws thereof, unless otherwise agreed and confirmed in writing by both institutions.

This MoU is drawn up in duplicate in English. Each institution shall retain each one (1) copy.

IN WITNESS THEREOF, both institutions have caused this MoU to be executed by their duly authorized representatives.

Signature



NAUTIYAL M C
RCC Coordinator
Hemvati Nandan Bahuguna Garhwal
University

(DATE) MM /DD /YYYY

03 / 16 / 2021

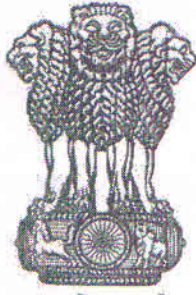
Signature



WATANABE Masaru
Dean
Tokyo Metropolitan University

(DATE) MM /DD /YYYY

02 / 22 / 2021



सत्यमेव जयते

INDIA NON JUDICIAL Government of Uttarakhand

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MEMORANDUM OF UNDERSTANDING

FOR INSTITUTIONAL COLLABORATION
BETWEEN

HEMVATI NANDAN BAHUGUNA GARHWAL UNIVERSITY
(A CENTRAL UNIVERSITY)

SRINAGAR (GARHWAL) UTTARAKHAND

And

NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND



Statutory Alert:

1. The authenticity of this Stamp certificate should be verified at 'www.shcilestamp.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.
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MEMORANDUM OF UNDERSTANDING

FOR INSTITUTIONAL COLLABORATION

BETWEEN

HEMVATI NANDAN BAHUGUNA GARHWAL UNIVERSITY
(A CENTRAL UNIVERSITY)
SRINAGAR (GARHWAL), UTTARAKHAND
AND

NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND (NITUK)

Preamble:

This Memorandum of Understanding (MoU) is drawn up and agreed upon to establish the initial framework for cooperation between National Institute of Technology Uttarakhand, Temporary Campus, Government Polytechnic, Srinagar (Garhwal)-246174 and Hemvati Nandan Bahuguna Garhwal University, Srinagar (Garhwal) Uttarakhand.

Hemvati Nandan Bahuguna Garhwal University (HNBGU)

Hemvati Nandan Bahuguna Garhwal University was established as a State University vide U.P. State Government notification no. (10)/(865)/15/(75)(85)/64 dated 23 November 1973. The University has subsequently been upgraded to Central University by an Act of Parliament i.e. the Central Universities Act 2009. Since its inception, the University has shown commitment towards regional and community development which is inherent in its teaching courses, research agenda and other outreach and extension initiatives. The University, nestled in the lap of Himalayan ranges in the Garhwal region of Uttarakhand, is a residential cum affiliating institution of higher learning. The University has following three campuses distantly located from each other where the undergraduate, post-graduate and research programmes are being offered in different disciplines.

1. Birla Campus, Srinagar Garhwal with its extension at Chauras Campus,
2. B. Gopal Reddy (BGR) Campus, Pauri and
3. Swami Ram Teerth (SRT) Campus, Badshahithaul, Tehri.

National Institute of Technology, Uttarakhand (NITUK)

National Institute of Technology, Uttarakhand (NITUK), an Institute of National Importance is established in 2009 under the Act of Parliament by Ministry of Human

Registrar
H.N.B. Garhwal University
(A Central University)
Srinagar (Garhwal)



Resource Development and is one among the 31 National Institutes of Technologies in the country. The Institute offers full time B. Tech. and M. Tech. Programmes in 05 different Engineering disciplines as well as Ph.D. programme in all Engineering, Sciences and Humanities disciplines.

Hemvati Nandan Bahuguna Garhwal University (herein after referred to as "HNBGU", which expressions shall mean and include, unless repugnant to the context or meaning thereof its successors and permitted assigns) has authorized Prof. Annapurna Nautiyal, Vice Chancellor, to enter into this MoU as the **FIRST PARTY**;

National Institute of Technology, Uttarakhand (herein after referred to as "NITUK", which expressions shall mean and include, unless repugnant to the context or meaning thereof its successors and permitted assigns) has authorized Prof. Shyam Lal Soni, Director, NITUK to enter into this MoU as the **SECOND PARTY**;

"HNBGU" and "NITUK" are hereinafter, wherever the context so admits, collectively referred to as the "**Parties**" and individually as a "**Party**".

AND WHEREAS the purpose of MoU is to establish an understanding of mutual cooperation between NITUK and HNBGU, providing a common platform for deriving mutual advantages in their pursuit of higher learning in general and benefiting their respective students and faculties, by way of exposure to each other's programmes.

1. SCOPE OF MoU:

The following areas of collaboration have been identified under this MoU.

- (i) **Faculty Exchange Programme**: The two parties will explore opportunities for interaction among members of faculty. The total duration of visits from each side is expected to be approximately equal. Each such visit shall require approval of the respective Institutions/University.
- (ii) **Student Exchange Programme**: The two parties agree to participate in student exchange programme at the respective Institutions/University. Visits under such programmes may be for a short duration, such as summer/winter terms or short courses. A detailed proposal document on this has to be approved by the respective competent of the two Institutions before its implementation.
- (iii) **Joint Research Projects**: The two parties will explore opportunities of undertaking joint research projects including co-author publications and may seek research funding from external funding agencies. Each such research proposal shall require approval of the respective Institutions/University.



- (iv) Joint Research Guidance for Ph.D/PG/UG Students: The faculty members of HNBGU and NITUK will explore opportunities for the joint research guidance to the Ph.D./PG/UG students. A detailed document related to such research guidance will be required by the competent authorities of both the organizations before implementation.
- (v) Joint Academic Activities and Events: HNBGU and NITUK may formulate joint academic activities such as short course, faculty development programme, seminars, workshops, conferences, extracurricular activities etc. based on mutual interests and available expertise in respective Institute/University. They may also share and carry out joint research in technology for distance and computer-based learning.
- (vi) Miscellaneous:
- Both the organizations shall endeavour to, as much as possible make available such facilities that will enable the faculty to obtain experience and training in respective departments and Institutes, including the use of its laboratories, libraries and e-resources etc.
 - Both the organizations shall share the infrastructure facilities like hostels, guest house, playgrounds, complexes, seminar halls, etc. available with either Institute/University with permission of the competent authority.
 - Defining new areas of collaboration that have not been foreseen, but can be beneficial to the Parties.

The areas of cooperation may be revised by mutual consent. However, specific programmes may require separate agreements detailed out and documented as annexures to this MoU.


2. NON-DISCRIMINATION

NITUK and HNBGU agree not to discriminate against any person because of age, sex, national origin, race, ancestry, color, religious creed disability or handicap, and sexual orientation. Neither Institution shall impose criteria for the exchange of faculty, staff and students that would violate the principles of non-discrimination.

3. CODE OF CONDUCT

Visiting student and faculty will abide by the codes of conduct of the host Institution/University.

4. INTELLECTUAL PROPERTY


Registrar
H.N.B. Garhwal University
(A Central University)
Srinagar (Garhwal)



Each Institution/University will adhere to the intellectual property laws of its institute/nation. Intellectual property developed during the visit of an exchange student/researcher/faculty/staff will be governed by the rules of the host Institute unless otherwise specified.

Any Background Intellectual Property (BGIP) shall remain the sole and exclusive property of the Party to whom it belonged prior to the commencement of this MoU. If one Party receives any BGIP from the partner under a clearly defined non-disclosure agreement, necessary and reasonable care will be taken to protect the intellectual property received.

The two Institutions shall jointly own results and Intellectual Property generated thereof for clearly defined collaborative projects and exchange programmes. This joint ownership of Jointly Developed Intellectual Property (JDIP) also entitles each party to explore commercialization. However, transfer or sale of JDIP and associated sharing of revenue shall be governed by a separate agreement.

5. COORDINATION:


HNBGU and NITUK hereby nominate Chairman, RCC and Dean (R&C), NITUK as coordinators respectively for operating the various provisions of this MoU on behalf of their respective organizations. All formal communications will be exchanged only through these nominated representatives. The participants and Coordinators may change from time to time as decided by appropriate authority of the respective Institutions/University.

6. LEGAL STATUS

This document is a statement of intent to foster genuine and mutually beneficial cooperation and is not legally binding on both the parties. In the event of any dispute or difference arising in the implementation of the MoU, such disputes shall be resolved amicably by mutual discussions by the Head of both the Institutions. All such decisions shall be taken into account the status of students working/projects under this arrangement and the interest of such students/projects shall be guarded as much as possible.

7. DURATION, AMENDMENT AND TERMINATION:

- a. The MoU remains in place for a period of five years (05) from the date of signing of the agreement and may be renewed for a further period of five years or such time period by mutual consent of the Parties, expressed in writing.


Registrar
H.N.B. Garhwal University
(A Central University)
Srinagar (Garhwal)



- b. The terms of MoU may be modified/ amended at any time subject to mutual written agreement. Such modification/change shall be effective from the date on which both the parties execute them in writing.
- c. The MoU may be terminated by either party by giving three months advance notice in writing to the other Party.
- d. The amendment, termination and expiration of this MoU will not affect the terms of activities ongoing at the time of notification of amendment, termination and expiration, unless otherwise agreed upon between the Parties. In such case, both the parties shall ensure that the interest of students/projects under this MoU are safe guarded to the extent possible.

However, specific commitments made prior to such intimation shall be honored by both the partners including ensuring that any student at that time participating in the Programme is able to complete the term of the assignment and be assessed for it.

Now based on the aforementioned promise(s) the parties put their signatures on this MoU on March 16, 2021.

Signature: _____

Date : 16 March 2021

Registrar
H.N.B. Garhwal University
(A Central University)
Srinagar (Garhwal)
Dr. Ajay Kumar Khanduri,
HNBGU, Srinagar, Uttarakhand.
Email ID: registrar@hnbgu.ac.in

Signature: _____

Date : _____

Dr. P. M. Kala
Registrar,
National Institute of Technology, Uttarakhand
Email ID: registrar@nituk.ac.in

Witness 1

Dr. Manoj Kumar Gupta
Assistant Registrar
Department of Mechanical Engineering
HNBGU, Srinagar, Uttarakhand.

Witness 1

Dr. Dharmendra Tripathi
Dean
Research & Consultancy
National Institute of Technology, Uttarakhand



05

Memorandum of Understanding (MoU)

between

the Swiss Federal Research Institute WSL, Switzerland

and

the Department of Geology, Hemvati Nandan Bahuguna Garhwal University, Srinagar Garhwal, 246174 India

The Swiss Federal Research Institute WSL, Zürcherstrasse 111, 8903 Birmensdorf, Switzerland (hereafter WSL) and the Department of Geology, Hemvati Nandan Bahuguna Garhwal University, Srinagar Garhwal, 246174 Uttarakhand, India (hereafter HNBGU) desire to engage in cooperative educational and research activities, for the mutual benefit of both institutions. The Parties have agreed upon the following:

- To encourage visits by faculty for the purpose of engaging in research and educational activities
- To support the exchange of Master and Doctoral students
- To foster the exchange of academic publications and scholarly information
- To develop joint research activities and to promote other academic activities, which enhance the above mentioned goals.

Terms of Cooperation

1. The terms of cooperation for each activity implemented under this Memorandum shall be mutually discussed and agreed upon in writing by both parties prior to the initiation of that activity. Any such agreement entered into, as outlined above, will form an Appendix to this Memorandum of Understanding.
2. This Memorandum does not result in any financial obligations. Each institution will be responsible for seeking funds to support its involvement in the cooperative activities contemplated under this Memorandum of Understanding, and all such activities will be dependent upon the budgetary appropriations of the parties.
3. All activities shall be in accordance with the regulations and policies of the WSL and HNBGU.

Development, Co-ordination and Execution of the Exchange

Responsible for the development, co-ordination and execution the specific activities for the purposes of this Memorandum of Understanding shall be:

**Swiss Federal Research Institute
WSL**

High Mountain Glaciers and Hydrology
Group (HIMAL)

Current Group Leader:

Francesca Pellicciotti

Zuercherstrasse 111

CH-8903 Birmensdorf

E-Mail: francesca.pellicciotti@wsl.ch

Hemvati Nandan Bahuguna

Garhwal University

Department of Geology

Current Group Leader:

Prof. H. C. Nainwal

Srinagar Garhwal, Uttarakhand

246174, India

nainwa61@gmail.com

Intellectual Property Rights

Information on research results and scientific materials (reports, articles, books) will be exchanged freely keeping in mind the mutually agreed provision of Intellectual Property Rights. All intellectual property solely conceived and/or developed by WSL during the course of this Agreement shall be owned by WSL. All intellectual property solely conceived and/or developed by HNBGU during the course of this Agreement shall be owned by HNBGU. Intellectual property jointly conceived and/or developed by WSL and HNBGU will be jointly owned by WSL and HNBGU. Each party may use such property for research and scholarly purposes. WSL and HNBGU agree to collaborate towards the protection, if appropriate, and application of such intellectual property for commercial or other purposes on mutually acceptable terms to be negotiated in good faith between the parties.

Renewal, Termination, and Amendment

1. This Memorandum becomes effective from the day the representatives of both universities affix their signatures and continue for an initial period of three (3) years, subject to review from time to time. At the end of three years, the agreement will automatically be extended for another three-year period unless otherwise determined.
2. This Memorandum may be revised through the mutual agreement of both parties and may be terminated by either party upon giving six months written notice signed by the presiding office of the notifying party. All modifications to this agreement must be in writing and signed by both parties.

On behalf of the

Swiss Federal Research Institute, WSL



Prof. Dr. Konrad Steffen

Director

On behalf of the

Hemvati Nandan Bahuguna Garhwal
University



Prof. N.S. Panwar

Registrar

Date 22nd April 2020

Dr. Francesca Pellicciotti

Group Leader

Date



Prof. Y. P. Sundriyal

Head of Department of Geology



2 April 2020

23 July 2020



MEMORANDUM OF UNDERSTANDING

between

Indian Council of Forestry Research and Education, Dehradun
and

Hemvati Nandan Bahuguna Garhwal University, Srinagar



Indian Council of Forestry Research and Education (hereinafter referred to as "**ICFRE**", which expression, shall unless repugnant to the context thereof, shall mean and include its successors and assignees) through the **Director General, ICFRE, Dehradun** of the First Part.

and

Hemvati Nandan Bahuguna Garhwal University (hereinafter referred to as "**HNBGU**", which expression, unless repugnant to the context thereof, shall mean and include its successors and assignees) through the **Vice Chancellor, HNBGU, Srinagar** of the Second Part.

ICFRE and HNBGU are collectively referred to as "Parties" and individually as "Party".

Background

This Memorandum of Understanding (MoU) sets for the terms and understanding between Indian Council of Forestry Research and Education and Hemvati Nandan Bahuguna Garhwal University (a Central University) to collaborate in applied research programs, capacity building and knowledge sharing on forests, biodiversity conservation, environment, ecosystems, climate change vulnerability, climate change mitigation and adaptation and livelihood of forest dependent communities and other subjects mutually agreed between the two parties.

Preamble

Whereas

Indian Council of Forestry Research and Education is an autonomous body of Ministry of Environment, Forest and Climate Change, Govt. of India and is an apex body in the national forestry research system. It has been undertaking the holistic development of forestry research through need based planning, promoting, conducting and coordinating research, education and extension covering various aspects of forestry. The council deals with the solutions based forestry research in tune with the emerging issues in the sector, including global concerns such as climate change, conservation of biological diversity, combating desertification and sustainable management and development of resources. Topical research by the council enhances public confidence in the ability of forest managers and researchers to successfully handle challenges related to natural resource management. ICFRE has nine Research Institutes and five Research Centres located in different bio-geographical regions of the country for catering to the forestry research needs of the nation.

ICFRE has the following Institutes and Centres:

1. Forest Research Institute (FRI), Dehradun
2. Arid Forest Research Institute (AFRI), Jodhpur
3. Tropical Forest Research Institute (TFRI), Jabalpur
4. Institute of Forest Genetics and Tree Breeding (IFGTB), Coimbatore
5. Himalayan Forest Research Institute (HFRI), Shimla
6. Rain Forest Research Institute (RFRI), Jorhat
7. Institute of Forest Productivity (IFP), Ranchi
8. Institute of Wood Science & Technology (IWST), Bengaluru
9. Institute of Forest Biodiversity (IFB), Hyderabad
10. Forest Research Centre for Skill Development, Chhindwara
11. Forest Research Centre for Eco-Rehabilitation, Prayagraj
12. Forest Research Centre for Bamboo & Rattan, Aizawl
13. Forest Research Center for Livelihood Extension, Agartala
14. Forest Research Centre for Coastal Ecosystem, Visakhapatnam

Objectives of ICFRE:

1. To undertake, aid, promote and coordinate forestry research, education and extension leading to scientific and sustainable management of forest resources in the country.
2. To align forestry research programs in the council with national priorities including achievement of Sustainable Development Goals and combating climate change.
3. To provide scientific advice and policy support to the central and state governments aiding informed decision making in forestry matters of national importance and international commitments.
4. To act as a repository of scientific knowledge related to forestry, environment and climate change, and disseminate such knowledge to various stakeholders.
5. To provide technical assistance and support to states, forest-based industries, tree growers, farmers and others for forest protection, afforestation, agro-forestry and allied activities.
6. To develop appropriate forest based technologies, processes and products for sustainable resource use, livelihoods and economic growth.
7. To provide livelihood support to forest dependent communities through transfer of scientific knowledge and appropriate forest-based technologies.
8. To develop technically qualified human resource for forestry sector.
9. To promote forestry education in the country and facilitate universities in improving quality through technical and financial support including development of uniform curricula.
10. To provide consultancy and capacity building services in environment and forest sector.

11. To develop and maintain National Forest Library and Information Centre for forestry and allied sciences.
12. To develop environment and forest extension programmes and promote the same through mass media and audio-visual aids.
13. To support and advice Government on technical aspects of international conventions and treaties.
14. To conduct other activities incidental and conducive to attainment of abovementioned objectives, which the council may consider necessary.

Also the council through Forest Research Institute (Deemed) University is running Post Graduate programmes in Forestry, Wood Science & Technology, Environment Management, Cellulose & Paper Technology and PhD. courses.

Whereas

The **Hemvati Nandan Bahuguna Garhwal University** (formerly known as **Garhwal University**) is an academic educational university established in Srinagar (Garhwal), Uttarakhand in North India that came into existence in 1973 (vide U.P. State Government notification no. (10)/(865)/15/(75)(85)/64, dated 23 November 1973) after several years of community movement with an aspiration to start an Institution of higher education in the region. It was renamed as Hemvati Nandan Bahuguna Garhwal University in 1989 in commemoration of the memory of a leading statesman Shri Hemvati Nandan Bahuguna. The University was upgraded as a Central University on 15th January 2009 by an Act of Parliament i.e. the Central Universities Act 2009. At present it is only Central University in the state of Uttarakhand and considered amongst ten largest universities in India.

Hemvati Nandan Bahuguna Garhwal University functions under University Grants Commission (UGC). The University is made up of four independent campuses Birla Campus Srinagar (BCC Srinagar- HQs) in Srinagar, Chauras Campus (Tehri Garhwal), B. Gopal Reddy Campus Pauri (BGR Pauri), and Swami Ram Teerth Campus Badshahithaul Tehri (SRT Tehri). All campuses functions as independent institutions within the university. All campuses are equipped with proper infrastructure such as buildings, well-furnished class rooms, lecture halls, laboratories, libraries, seminar/meeting halls, auditorium, grounds, hostels (boys and girls) and other related facilities such as transport, medical, wireless fidelity etc. A total of 117 government, semi-autonomous and private constituent colleges are also affiliated to the HNB Garhwal University. The university conducts exams and other activities simultaneously across all its campuses and constituent colleges.

The **Vision** of HNB Garhwal University is *"to achieve excellence by empowering all stakeholders through promotion of innovations in the field of higher education by imparting training and education, and encouraging research for the development of the country with specific attention to the mountain region"*. The main **Mission** of the University is *"to stimulate the academic environment for promotion of holistic learning and research and contribute to the nation's growth. To inculcate values and*

impart skills for shaping able and responsible individuals committed towards the intellectual, academic and cultural development of society".

The synergy derived from its vision & mission, and being a Central University, HNB-GU has a Pan-India appeal, therefore draws students from all over the country. The broad objectives of the HNB Garhwal University are as follows:

Objectives

1. To disseminate and advance knowledge by providing instructional and research facilities in the areas of humanities, social sciences, science and technology and other branches of learning.
2. To make special provisions for integrated courses in its educational programmes.
3. To take appropriate measures for promoting innovations in teaching-learning process and inter-disciplinary studies and research; to educate and train manpower for the development of the country.
4. To establish linkages with industries for the promotion of science and technology.
5. To pay special attention to the improvement of the social and economic conditions and welfare of the people, their intellectual, academic and cultural development.

The teaching and educational activities are undertaken through fifty-one academic departments distributed in eleven different schools (viz. Agriculture and Allied Sciences; Sciences; Life Sciences; Earth Sciences; Engineering and Technology; Humanities and Social Sciences; Management; Arts, Communication and Languages; Education; Commerce; and Law). Altogether there are over 350+ faculties involved in teaching, education, research, and diverse other co-curricular activities. It houses over 12,000 students annually. The profiles of subjects & courses offered in three different campuses is as follows:

| School | Departments | University Campus & course offered | | |
|---|--|------------------------------------|--------------|--------------|
| | | BCC Srinagar | BGR Pauri | SRT Tehri |
| 1. School of Agriculture and Allied Science | Forestry & Natural Resources | * | | |
| | High Altitude Plant Physiology Research Center | * | | |
| | Horticulture | * | | |
| | Rural Technology | * | | |
| | Seed Science & Technology | * | | |
| 2. School of Sciences | Chemistry | * | * | * |
| | Home Science | * | * | * |
| | Mathematics | * | * | * |
| | Physics | * | * | * |
| | Pharmaceutical Science | * | | |
| | Pharmaceutical Chemistry | * | | |
| 3. School of Life Sciences | Statistics | * | * | * |
| | Botany & Microbiology | * | * | * |
| | Bio-Chemistry | * | | |
| | Environment Sciences | * | | |
| | Zoology | * | * | * |
| | Himalayan aquatic biodiversity | * | | |

| | | | | | |
|-----|---|---|---|---|---|
| 4. | School of Earth Science | Biotechnology | * | | |
| | | Geology | * | * | * |
| | | Geography | * | * | * |
| | | Remote Sensing and GIS | * | | |
| 5. | School of Management | Defense & Strategic Studies | * | | * |
| | | Centre for Mountain Tourism & Hospitality Studies | * | | |
| | | Business Management | * | | |
| 6. | School of Humanities and Social Sciences | Economics | * | * | * |
| | | Political Science | * | * | * |
| | | Anthropology | * | | * |
| | | Sociology and social work | * | * | * |
| | | Psychology | * | | |
| | | History, culture, and archeology | * | * | |
| | | Philosophy | * | | |
| 7. | School of Engineering and Technology | Computer Science and Engineering | * | | |
| | | Electronics and Communication Engineering | * | | |
| | | Instrumentation Engineering | * | | |
| | | Mechanical Engineering | * | | |
| | | Information Technology | * | | |
| | | Law | | * | * |
| 8. | School of Law | | | | |
| 9. | School of Commerce | Commerce | * | * | * |
| | | Secretarial Practices | * | | * |
| 10. | School of Education | Adult Education & Extension Education | * | | |
| | | Naturopathy & Yoga | * | * | * |
| | | Physical Education | * | | |
| | | Drawing & Painting | * | | * |
| 11. | School of Communication Languages Arts, and | Center for Journalism & Mass communication | * | | |
| | | English | * | * | * |
| | | Centre for Folk and performing art | * | | |
| | | Hindi | * | * | |
| | | Library & Information Science | * | | |
| | | Music | * | | |
| | | Sanskrit | * | * | * |

University intake of students either on merit based or through competitive exams conducted by the university (such as Ph.D. entrance) and other agencies (i.e. Joint Entrance Examination Main (JEE Main) for School of Engineering & Technology, CAT, MAT etc.). The courses offered in university campuses comprise undergraduate, post graduate, doctoral and diploma courses. The **Under Graduate Programme** (3 years degree and 4 years honors courses) comprise Bachelor of Science (B.Sc. and B.Sc. Hon.); Bachelor of Technology (B. Tech.), Bachelor of Pharmaceutical Sciences (B. Pharma), Bachelor of Arts (B.A. and B.A. Hon.), Mass Communication (Integrated course); Bachelor of Commerce (B.Com.), Bachelor of Law (LLB), Bachelor of Education (B.Ed.), Bachelor of Physical Education (B.P.Ed.), Bachelor of Library and Information Science (B.Lib.), and Bachelor of Business Administration (B.B.A.).

The **Post Graduate Programme** (2 years) cover Master of Science (M.Sc.), Master of Arts (M.A.), Master of Business Administration, Tourism, Computer Application, Master of Commerce (M.Com.), M. Pharma, Master of Education (M.Ed.), and Master of Extension Education (MEE). The University also offers Under Graduate Diploma in Advertising and Sales Promotion and Sales Management, and Post Graduate Diploma in Company Administration, Business Administration, Tourism and Hoteliering, Yoga, Rural Technology, Bio techniques of Medicinal and Aromatic Plants, Human Rights, Environmental Economics, Journalism and Mass Communication, Folk Music, Folk Dance. The University also takes **Research Programme** M.Phil. (in English and Environmental Plant Biology) and Doctor of Philosophy (Ph.D.) in all disciplines.

Over the years the University has shown commitment towards regional and community development in its teaching/learning/educational courses, research programs, and other outreach and extension initiatives thus contributing immensely to the development of the society and the nation. H.N.B Garhwal University is 'A' Graded with CGPA of 3.11 by National Assessment and Accreditation Council (NAAC). It is trying hard to achieve excellence in academics and strive for all round development of the students. The focus of the university is to achieve i) excellence in higher education and research relevant to both nation, as a whole, and the hill states, including Uttarakhand, in particular; ii) expansion and inclusion at UG and PG levels of teaching for better outreach in rural areas, especially to the women in the hill districts of Uttarakhand; and iii) promotion & development of extension as third dimension of higher education.

The University is eager to play an important role as leaders in teaching, education, research and technology, training and capacity building, and strengthening institutions of cultural & societal values. For this purpose it is willing to extend its network with institutions of higher learning and research having common profession or academic interest by signing memorandum of understanding (MoU).

And Whereas

Both the parties have expressed their willingness to consider implementing joint programmes to support forestry research, education and extension through their respective institutions, namely Indian Council of Forestry Research and Education and Hemvati Nandan Bahuguna Garhwal University.

Article I: Objective

1.1 Providing a general framework for long term collaboration and mutual understanding in areas of forestry research, education and extension between Indian Council of Forestry Research and Education and Hemvati Nandan Bahuguna Garhwal University.

Article II: Scope of Collaboration

Subject to the terms this MoUs signed by authorized representatives of each party, the parties hereby agree to cooperate as follows:

2.1 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, education and extension.

Article III: Areas of Collaboration

- 3.1 To develop programs as mutually agreed by both the parties in the following areas:
- i. Knowledge sharing
 - ii. Capacity building of stakeholders in the forestry and natural-resources-related sectors
 - iii. Workshops, Conferences, Meetings to draw lessons on practices, approaches and interventions
 - iv. Facilitation of research and education projects and programs
 - v. Joint efforts for synthesizing knowledge in prioritized areas
 - vi. Joint seminars/webinars and panels in events, conferences and meetings etc.
 - vii. Seeking funding and in-kind resources for these cooperation activities
 - viii. Exchange of scientists, Research Scholars and PG students

Article IV: Scope of MoU

4.1 Indian Council of Forestry Research and Education and Hemvati Nandan Bahuguna Garhwal University through this general Memorandum of Understanding have agreed to discuss opportunities to share resources and jointly undertake consultation, advisory and R&D programmes for their mutual benefit. Programmes and projects will be decided on merits and mutual understanding with respect to operative period of MoU for financial obligations and extent of cooperation. Periodic meetings of joint working groups shall be held as per mutual discussion to review and decide next course of action.

4.2 Both parties agree to provide logistic support to each other. Both parties may submit collaborative programmes for assignments on complementary basis. However, each case will be decided on its own merit, expertise available with the institutes and with mutual consent.

4.3 Structural composition of team members from respective parties will be decided mutually and competent professionals from both the organization will be offered to perform the job with professional prowess. Each programme and case will be decided on merit and mutual understanding and separate agreements will be signed for each assignment after negotiations on case to case basis agreed through mutual consent.

4.4 Both the parties shall maintain their sovereignty and share no liability unless agreed through mutual consent, by way of separate agreement drawn for the purpose.

4.5 In the event that the parties wish to carry out a programme or activity pursuant to this MoU (including those mentioned above), the periodicity, extent of bearing liabilities and terms of such cooperation shall be mutually discussed and agreed upon in writing by both parties through separate agreements prior to the initiation of the particular programme or activity. Any such agreement will detail the terms and nature of the

activity and/or project, the responsibilities of each party, the necessary budget, and the financial responsibilities, if any, of the parties.

4.6. In the event of any dispute/s that may arise in connection with this MoU, the same shall be mutually settled by the Director General, ICFRE and Vice Chancellor, HNBGU.

4.7. This MoU shall also construe both the institutions to help, compliment and collaborate in areas of research and extension in the areas of common interest at the level of their regional institute/offices located all over India.

Article V: Protection of Intellectual Property

5.1. It is recognized by both the parties that the allocation of intellectual property rights will occur on the basis of a research and technology management plan developed for the research programmes executed by both the organizations.

5.2. Research outcome will be jointly patented and outcome of the patent will be jointly shared in mutually agreed proportions.

5.3. It is agreed by the parties to undertake not to disclose, divulge, part with, copy in any form for the period as specified in the MoU/agreement any scientific research document, planning, execution and appropriate financial, legal documents involved in the MoU. All personnel involved in collaborative projects from Indian Council of Forestry Research and Education and Hemvati Nandan Bahuguna Garhwal University are subject to this non-disclosure clause for the period of this MoU.

5.4. The outcome of the research in the form of publications should be shared by both the organizations and should have the authorship from both the organization with proportional credit to contributors.

Article VI: Limitation of Personnel Activities

6.1. 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 and any separate written arrangement.

Article VII: Confidential Information

7.1. Each Party's rights, title, interest in its confidential information remains unaffected by the existence of this MoU.

7.2. Neither Party is obliged to disclose any confidential information to the other Party pursuant to this MoU and each Party undertakes 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 arrangements made pursuant to this MoU.

7.3. Any disclosure or exchange of confidential information will be covered in separate subsidiary arrangements.

Article VIII: Amendment

This MoU can be reviewed or amended at any time by mutual written consent by the Parties. Such revisions or amendments shall enter into force on such date as determined by the Parties and shall form an integral part of this MoU.

Article IX: Dispute Settlement

Any dispute, controversy or difference as to the interpretation of this MoU will be settled amicably by mutual consent between the Parties.

Article X: Validity of MoU

10.1 This MoU shall enter into force on the date of the completion of the signing by the Parties. It shall remain in force for the duration of 05 (Five) years from the date of signing of this MoU and may be extended by mutual written agreement of the Parties.

10.2 Either Party may terminate this MoU at any time by notifying the other Party of its intention to terminate this MoU in writing.

10.3 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, the undersigned have signed this MoU.

Signed in duplicate on this 12th day of December two thousand and Twenty.

For ICFRE



A.S. Rawat

Director General

Indian Council of Forestry Research and
Education (ICFRE), Dehradun,
Uttarakhand

Director General

Indian Council of Forestry Research and Education
P.O. New Forest, Dehradun-248 006 (Uttarakhand)

Witness:

1. **Shri Anurag Bhardwaj**
निदेशक (अन्तराष्ट्रीय सहयोग)
Director (IC), ICFRE
भा.वा.अ.शि.प., देहरादून-248006
ICFRE, Dehradun-248006

2. **E. Vikram**
ADG (External Project), ICFRE
सहायक महानिदेशक
Assistant Director General
बाह्य परियोजना
External Project
भा.वा.अ.शि.प.
ICFRE

ICFRE with HNBGU

For HNBGU



Prof. Annpurna Nautiyal
Vice Chancellor

Hemvati Nandan Bahuguna Garhwal
University (HNBGU), Srinagar

Vice Chancellor

H.N.B. Garhwal University
(A Central University)
Srinagar Garhwal-246174
Uttarakhand (India)

Witness:

1. **Prof. M.C. Nautiyal**
HAPPRC, HNB-GU

2. **Prof. R.K. Maikhuri**
Head, Dept. of Environment
HNB-GU, Srinagar (Garhwal)

MEMORANDUM OF UNDERSTANDING
BETWEEN



Rishikesh Yogpeeth

(Abhayaranya Yoga Ashram)

OSG. Regd. NO-908/2006
RYS Regd. NO- 46196/2009

Registered Office:

Lane No- 20 Amitgram, Gumaniwala, Rishikesh, Distt. Dehradun
(Uttarakhand) India

AND



Hemvati Nandan Bahuguna Garhwal University
(Central University recognized by the University Grants Commission)

H.N.B. Garhwal University, Srinagar – 246174, Dist. Garhwal (Uttarakhand),
India

2

MEMORANDUM OF UNDERSTANDING

BETWEEN

RISHIKESH YOGPEETH

AND

HEMVATI NANDAN BAHUGUNA GARHWAL UNIVERSITY

Rishikesh Yogpeeth (hereinafter referred to as "RYP", which expression, shall unless repugnant to the context thereof, shall mean and include its successors and assignees) through the Secretary, RYP, Rishikesh of the First Part.

and

Hemvati Nandan Bahuguna Garhwal University (hereinafter referred to as "HNBGU", which expression, unless repugnant to the context thereof, shall mean and include its successors and assignees) through the Vice Chancellor, HNBGU, Srinagar of the Second Part.

RYP and HNBGU are collectively referred to as "Parties" and individually as "Party".

BACKGROUND

This Memorandum of Understanding (MoU) sets for the terms and understanding between Rishikesh Yogpeeth and Hemvati Nandan Bahuguna Garhwal University (a Central University) to collaborate in the field of Yogic Sciences and related themes and topics at mutually agreed to terms and conditions between the two parties.

PREAMBLE

WHEREAS

Rishikesh Yogpeeth (Street No. 20, Amit Gram, PO Gumaniwala, Rishikesh, Dehradun) was established in 2005 as a non-profit organization registered under the Indian Societies Act 1860 (No. 404/2016-2017, file no. 23537D, dt. 7/4/2017) with an aim to spread the awareness of holistic living with the help of Vedic wisdom in the form of Yoga, Meditation and Ayurvedic practices.

Q.

The main objective of Rishikesh Yogpeeth is to spread awareness of holistic living with the help of Vedic wisdom in the form of Yoga, meditation and Ayurvedic practices. It conducts 200, 300, and 500 hrs Hatha Yoga Teacher Training Program, yoga courses for beginners, and yoga retreats in Rishikesh, which is popularly known as the Yoga capital of the world.

The Core team of RYP comprises yogis, teachers, and yoga practitioners.

Rishikesh Yogpeeth comprises all basic facilities and infrastructure with well-equipped lecture halls, meditation ground/galleries, hostels, and all other logistics (including boarding and lodging facilities). It has a focused campus at Abhayaranya Yog Ashram, Neelkanth Temple Road, Patna, Rishikesh, Uttarakhand-249302.

Rishikesh Yogpeeth has been pursuing following programs/ courses:

Yoga Teachers Training- The course work comprises principles, practices and concepts of Yoga, Asana, Pranayama, Meditation, Yogic cleansing techniques, philosophy of Yoga, modern anatomy

Yoga retreats- Various yoga retreats focusing on current lifestyles challenges, full body detox, weight loss, etc.

As a yoga school, Rishikesh Yogpeeth is also registered with Yoga Alliance USA, a most recognized Yoga organization worldwide that sets up minimum criteria for Yoga school or a teacher to have international credentials. Rishikesh Yogpeeth has so far trained over 10,000 personnel in Yoga across 120 countries.

WHEREAS

The Hemvati Nandan Bahuguna Garhwal University (formerly known as Garhwal University) is an academic educational university established in Srinagar (Garhwal), Uttarakhand in North India that came into existence in 1973. The University was upgraded as a Central University in 2009. The University is made up of four independent campuses Birla Campus Srinagar (BCC Srinagar- HQs) in Srinagar, Chauras Campus (Tehri Garhwal), B. Gopal Reddy Campus Pauri (BGR Pauri), and Swami Ram Teerth Campus Badshahithaul Tehri (SRT Tehri). All campuses are equipped with proper infrastructure such as buildings, well-furnished classrooms, lecture halls, laboratories, libraries, seminar/meeting halls, auditorium, grounds, hostels (boys and girls) and other related facilities such as transport, medical, wireless fidelity, etc.

The teaching and educational activities are undertaken through fifty-one academic departments distributed in eleven different schools (viz. Agriculture and Allied Sciences; Sciences; Life Sciences; Earth Sciences; Engineering and Technology; Humanities and Social Sciences; Management; Arts, Communication and Languages; Education; Commerce; and Law).

Under the School of Education, the University has a Department of Naturopathy & Yoga that undertakes postgraduate (2-year course), undergraduate (3-year course), PG Diploma (1-year course), certificate (6-month), and short-term (30 and 45 days) courses.

With the enactment of New Education Policy 2020 in the country that aims, among others, to increase quality of education and capacity building of students for employability, the University is eager to play an important role in extending quality education, research, and training programs.

The 10th Academic Council has advocated for the opening of University's Extension Centre at Rishikesh under self-finance mode for imparting a 'Six-month Certificate course in Yogic Science' and 'Six-month Certificate course in Mental Health and Spirituality'.

University plans to take up such courses in PPP (public-private-partnership) mode so as to avoid logistic and infrastructure costs. For this purpose it is willing to extend its network with institutions and agencies having similar vocational, theoretical & practical interests by signing memorandum of understanding (MoU).

AND WHEREAS

AFFIRMING that in recent time yoga teaching and practices have become symbolic to good health and mental well-being, wider dissemination of such education and information would be immensely beneficial to the society;

EMPHASIZING that there is an exigent need to strengthen the institutional delivery mechanism to train and build capacity among people on understanding of principles and practices of Yoga; and

PERCEIVING the need for close-linking of Institutions of similar learning, education, and capacity building to expand the knowledge base and outreach to develop human potential in PPP (public-private-partnership) mode;



both the parties have expressed their willingness to consider implementing joint programmes to support Yoga science, training and capacity building through their respective institutions, namely Rishikesh Yogpeeth and Hemvati Nandan Bahuguna Garhwal University

have reached the following understanding in compliance to the above-said prerequisites:

Article I: OBJECTIVES

1. To conduct yoga courses (short-term, certificate, degree, and PG level) at Rishikesh Yogpeeth so as to enhance the opportunity of more effective teaching in Yoga Science/subject.
2. To collaborate between themselves for strengthening knowledge and learning in Yoga science through joint R&D projects, national/international seminars, workshops and training programs
3. To conduct surveys and awareness on the effect of yoga on health, wellness, and performance of individuals

Article II: SCOPE OF COOPERATION

Subject to the terms this MoU signed by authorized representatives of each party, the parties hereby agree to cooperate as follows:

1. Both the parties would contribute to the fostering and development of the cooperative relationship between respective organization through planning, training, promotion and coordination of Yoga education, therapy, and research.
2. The Parties will collaborate to take up approved Yoga courses (short-term, certificate, UG, PG) at RYP campus in Rishikesh as per the broad parameters outlined in the MoU. Details will be worked out through mutual consultations between the parties.
3. After the signing of MoU, the RYP will undertake course work and activities in collaboration with HNBGU in accordance with this MoU at their centre in Rishikesh.
4. Both parties will take up work related to teaching, learning, capacity building, and certificate course as per approved norms and regulations of HNBGU



5. Both parties will organize joint workshops, conferences, seminars, events, training on Yoga and related subjects on mutually agreed terms and conditions
6. Both parties will facilitate joint research & education, knowledge synthesis, and formulation of policy documents
7. Both parties may exchange faculties, teachers, Research Scholars, and students to accomplish the above said

Article III: OBLIGATIONS OF THE PARTIES

1. Both the parties agree to conduct short-term (defined as 30 and 45 days) and certificate and diploma courses (defined as 6 months to 1 year) at RYP centre* in Rishikesh in self-finance mode. The syllabus will be implemented with mutual discussion between RYP and HNBGU. The number of students per course and number of courses per year will be decided after mutual consultation.
- * RYP centre operating from two locations stated as Abhayaranya Yoga Ashram (Patna Village, Rishikesh) and Sri Vithal Ashram (Rishikesh)*
2. All necessary logistics and infrastructure for conducting Yoga courses shall be provided by RYP with no cost to HNBGU.
 3. The fee (tuition/examination fee) for the course will be as per the existing norms of the HNBGU and will be distributed 60% (RYP) and 40% (HNBGU).
 4. Both the parties also agree to exchange faculties/experts for conducting courses/programs between RYP and HNBGU through mutually agreed modalities.
 5. HNBGU may depute teachers/faculty/officials to monitor/conduct courses and training programs. RYP will allow it to do so and provide local hospitality, accommodation, and other facilities to the officials deputed by HNBGU to monitor the Yoga Course.
 6. For any additional activity both the parties will finalize modalities through mutual consultations and discussion.

Article IV: AMENDMENT TO MoU

Either party, if a desire to modify or amend any or all part of this MoU, may do so on a written request for the revision. The mutually agreed revision, modification, or amendment shall be reflected in writing and form a part of this MoU, which shall enter into force on such date as may be determined by the parties.

Article V: SETTLEMENT OF DISPUTES

This MoU is not intended to create any legal obligations between the parties. In case of any difference or dispute between the parties concerning the interpretation and/or implementation and/or application of any of the provisions of this MoU shall be settled amicably through mutual consultations and negotiations between the parties.

Article VI: ENTRY INTO FORCE AND DURATION

1. This MoU shall come into effect on the date of its signature and shall be valid for a period of five years. Thereafter, both Parties shall review the status of this cooperation and may extend it on such terms as mutually agreed.
2. Notwithstanding Article VI(1), either Party may terminate this MoU by notifying the other Party in writing at least three months in advance notice of termination. Although such termination must meet with the last day of the course/s in progress.
3. Unless otherwise agreed by the Parties, the termination of this MoU shall not affect the implementation of on-going activities and/or programmes, which have been agreed upon before the date of termination of the MoU.

Article VII: OTHER PROVISIONS

1. The Parties agree to comply with existing rules and regulations of HNBGU applicable to the respective clause in the implementation of this MoU.
 2. This MoU is intended to create a partnership, joint venture or employability for the students/beneficiaries.
- A.

3. Neither party shall have any right or authority to bind, speak for or contract on behalf of another party.

IN WITNESS WHERE OF

Signed on 16th day March 2021 at Srinagar in two originals in English.

For RYP

For HNBGU

Secretary

Vice Chancellor / Registrar

Rishikesh Yogpeeth, Street No. 20, Amit
Gram, PO Gumaniwala, Rishikesh,
Dehradun, Uttarakhand

Hemvati Nandan Bahuguna Garhwal
University (HNBGU), Srinagar

1. RAJESH KANDARI

राजेश कंदारी

1.

M. C. Nahtyal
Coordinator - RCC Cell

2. SANJEEV NAR

2.

S. S. P. NAL
16/3/21
S. S. P. NAL
Joint
School of Education



हेमवती नन्दन बहुगुणा गढ़वाल विश्वविद्यालय
Hemwati Nandan Bahuguna Garhwal University
श्रीनगर गढ़वाल (उत्तराखण्ड) 246174
Srinagar Garhwal (Uttarakhand) 246174
(केन्द्रीय विश्वविद्यालय)
(A Central University)

पत्रांक: हे0न0ब0ग0वि0वि0 / 2021 / जन्तु विज्ञान 1839

दिनांक: 27 / 08 / 2021

सेवा में,

सहायक कुलसचिव
आर0सी0सी0 प्रकोष्ठ
हे0न0ब0ग0वि0वि0

विषय: - विभाग के एम.ओ.यू एवं प्रस्तावित एम.ओ.यू की छाया प्रतियों के सम्बन्ध।

महोदय,

आपके पत्रांक HNBGU/RCC/2021/774 dated 26.08.2021 के सन्दर्भ में हे0न0ब0ग0वि0वि0 (केन्द्रीय विश्वविद्यालय) के जन्तु विज्ञान विभाग के साथ कोपेनहेगन विश्वविद्यालय (डेनमार्क) और राष्ट्रीय मत्स्य अनुवांशिक संसाधन ब्यूरो (लखनऊ) के मध्य अनुबन्ध (एम.ओ.यू) की छाया प्रतिलिपि एवं डी0सी0एफ0आर0 (आईसीएआर) भीमताल का एम.ओ.यू आगामी विद्या परिषद में प्रस्तावित हेतु संलग्न कर प्रेषित किये जा रहे हैं।

भवदीय

विभागाध्यक्ष

प्रो0 प्रकाश नौटियाल
जन्तु विज्ञान विभाग

संलग्न: एम.ओ.यू की छाया प्रतियां

MOU 1

**MEMORANDUM OF UNDERSTANDING ON ACADEMIC COOPERATION,
STAFF AND RESEARCH EXCHANGE ETC.**

BETWEEN

**HEMVATI NANDAN BAHUGUNA GARHWAL UNIVERSITY, INDIA
(A CENTRAL UNIVERSITY)
AND**

UNIVERSITY OF COPENHAGEN, DENMARK

In furtherance of their mutual interests in the fields of education and research and as a contribution to increased international cooperation, the Memorandum of Understanding is executed on 11.10.2019 between HEMVATI NANDAN BAHUGUNA GARHWAL UNIVERSITY (A CENTRAL UNIVERSITY), India, acting through its School of Life Sciences, Department of Zoology & Biotechnology AND the UNIVERSITY OF COPENHAGEN, DENMARK, acting through its Faculty of Science, Department of Biology. This MoU provides a framework for academic cooperation in general between the signatories, for different types of cooperation within the areas of Freshwater ecosystems function and services. Both institutions approve the following Memorandum of Understanding which shall be for a period of 5 years with effect from October 11th, 2019.

1. Both institutions will cooperate in the exchange of information relating to their activities in research in fields of mutual interest mentioned above.
2. Both institutions will promote appropriate joint research projects and joint courses of study.
 - The two institutions have already agreed to collaborate within the activities outlined in the appendix attached to this Memorandum of Understanding. The two institutions undertake to participate in good faith in the completion of the described activities; however, neither party can guarantee any specific results as an outcome of the planned activities.
 - When relevant the two institutions will collaborate with other institutions or individuals as partners in the activities within the fields of mutual interest mentioned above. When necessary separate MOUs or collaboration agreements with third parties will be entered.
3. In the event of a joint research project both the institutions agree to enter into a cooperation agreement covering the terms and conditions for the specific research project.
4. Both institutions will endeavour to develop and implement a programme of research personnel exchange in accordance with the principles described below. Each research personnel exchanges shall be subject to a specific agreement. Joint publications will be made to disseminate the outcomes of research programme.
5. Faculty members and other research personnel, including Ph. D. students, may be exchanged for mutually agreed periods. The host institution will waive the relevant fees for the period of research stay, while the home institution continues to undertake the appropriate salaries of the participant.

3

Encl MoU ②

Memorandum of Understanding between

**National Bureau of Fish Genetic Resources
And
Hemvati Nandan Bahuguna Garhwal University,
(A Central University) Srinagar Garhwal**

This Memorandum of Understanding (hereinafter MoU) is made on this 5th day of the month, of December in the year 2019 by and between the National Bureau of Fish Genetic Resources having its head office at Lucknow (hereinafter called "NBFGR"), a constituent laboratory of the Indian Council of Agricultural Research, Krishi Bhavan, New Delhi 110 001 on the ONE PART and the Hemvati Nandan Bahuguna Garhwal University (A Central University) having its headquarters at Srinagar (Pauri Garhwal) (hereinafter called HNBGU) 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 in the areas of research, teaching and training.

WHEREAS "NBFGR" is involved in the studies on fish biology, genetics, biotechnology, Conservation and disease diagnosis of freshwater and marine fish species.

AND WHEREAS HNBGU at its Department of Zoology and Biotechnology is involved in many disciplines of Zoology including in Fish Biology, Fisheries Science and Ecology and Fish biotechnology of freshwater fishes.

AND WHEREAS the Parties have agreed to collaborate in undertaking projects related to hitherto unattained aspects of fisheries science and related biotechnology.

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.

Seen. 
MOU National Bureau of Fish Genetic Resources, Lucknow
and
Department of Zoology and Biotechnology, HNB Garhwal University
(A Central University) Srinagar Garhwal



Article 1. Scope

- 1.1 Research instrumentation facility and library facilities available in NBFGR and HNBGU will be made available to the faculty and research scholars. However, the costs of specific consumables will be borne by the respective organizations.
- 1.2 Detailing of research effort and collaboration in common research programmes and /or projects.
- 1.3 There shall be an exchange of faculty members and scientists for academic and research tenure purposes. Accommodation in the guest house shall be arranged whenever possible. Joint visitor programmes for distinguished scholars shall also be arranged.
- 1.4 Instrumentation facility developed in NBFGR may be made available to HNBGU at mutually acceptable rates.
- 1.5 Conduct of seminars and workshops.
- 1.6 Organization and teaching inputs in training programmes.

Article 2. Execution and Management

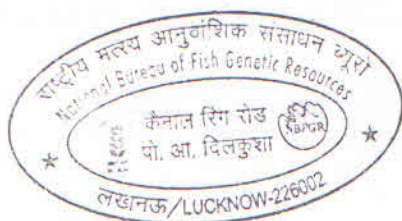
- 2.1 To manage the execution of this MoU, the Parties agree to constitute and **Advisory Committee** as follows:
 - 2.1.1 The Vice-Chancellor, HNB Garhwal University (A Central University) Srinagar Garhwal, as Chairman.
 - 2.1.2 The Director, National Bureau of Fish Genetic Resources as Co-Chairman.
 - 2.1.3 The Head of concerned Department, Garhwal University, as Convener.
 - 2.1.4 NBFGR Scientist nominated by the Director, NBFGR, as Member ,
 - 2.1.5 One senior faculty member of the concerned Department of the HNB Garhwal University in cognate area of research to be nominated by the Vice-Chancellor.
 - 2.1.6 One Senior Scientist of the concerned department in cognate area of research to be nominated by the Director, NBFGR.

Seen.....

MOU National Bureau of Fish Genetic Resources, Lucknow
and

Department of Zoology and Biotechnology, HNB Garhwal University
(A Central University) Srinagar Garhwal

(2)



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 Enrolment and Award of D.Phil. degree for candidates working at NBFGR:
- (i) Ordinances and regulations of the University for the admission and award of Ph. D. degree of the HNB Garhwal University will be duly observed. The criterion for allocation of Supervisor and Co-Supervisor will primarily be governed these ordinances.
- 4.2 In the case of training or teaching programmers and research projects, the host institution shall provide all necessary infrastructure and facilities, including audio-visual equipments and guest accommodation etc., as per the rules.
- 4.3 The institution organizing an item of work shall have the nodal responsibility for mobilizing resources and the conduct of such works. Funds earmarked for the collaborative activity will be used for the purpose for which they are meant, and will be disbursed in accordance with the financial rules and procedures of the respective institutions. In the HNB Garhwal University, the funds for collaborative work will be managed by Head of the Department and the Registrar, through a separate bank account to be operated jointly by them. The budget for the activity shall be approved by the Advisory Committee and the final statement of accounts shall also be submitted to the Advisory Committee.

Seen.....
MOU National Bureau of Fish Genetic Resources, Lucknow
and
Department of Zoology and Biotechnology, HNB Garhwal University
(A Central University) Srinagar Garhwal

(3)



- 4.4 Any research publications and commercially exploitable innovations arising out of this joint effort will be jointly published or patented as appropriate sharing.
- 4.5 All questions related to the 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.
- 4.6 All questions not foreseen related to this MoU will be handled by the Parties by mutual agreement.
- 4.7 Nothing in this MoU is intended to affect other cooperation or collaborations between the Parties.

Article 5. Entry into Effect and Termination

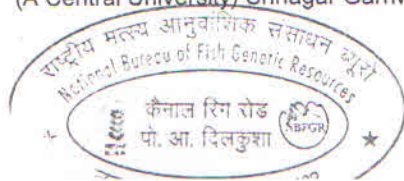
- 5.1 This MoU shall become effective on the date it is signed by the Parties and shall be valid for five years. Its term shall be extended further by mutual agreement after the expiry of the initial five-year's term. This MoU may be amended by mutual written agreement and may be terminated at any time by either Party upon six months written notice to the other Party.
- 5.2 All joint activities not completed at the expiration or termination of the MoU may be continued until their completion under the terms this MoU.

Article 6. Amendments:

- 6.1 This MoU represents the entire understanding between the Parties and supersedes any and all understandings either oral or written hitherto with respect to the subject matter of the Agreement.
- 6.2 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.

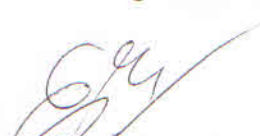
This MoU has been executed in two originals, one of which has been retained by NBFGR and the other by Department of Zoology and Biotechnology of Garhwal University.

Seen.....
MOU National Bureau of Fish Genetic Resources, Lucknow
and
Department of Zoology and Biotechnology, HNB Garhwal University
(A Central University) Srinagar Garhwal



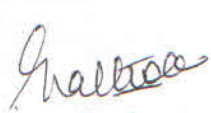
IN WITNESS THEREOF, the parties have executed this MoU and represent that they approve, accept and agree to terms and contained herein.

National Bureau of Fish Genetic Resources
Canal Ring Road, PO Dilkusha, Lucknow/
Indian Council of Agricultural Research


Dr. Kuldeep K. Lal
Director, ICAR, NBFGR, Lucknow

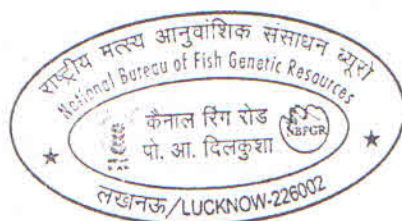
Date 5.12.19
Director
ICAR-National Bureau of Fish Genetic Resources
Canal Ring Road, Telibagh, P. O. Dilkusha
Lucknow-226 002, U. P., India


Seal


Dr. Gaurav Rathore
Principal Scientist & Head
FHM & Exotics Division
Nominated by the Director

Date 5-12-19.

Seal



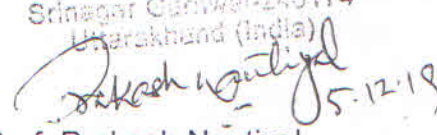
Seen 
MOU National Bureau of Fish Genetic Resources, Lucknow
and
Department of Zoology and Biotechnology, HNB Garhwal University
(A Central University) Srinagar Garhwal



HNB Garhwal University


Prof. Annpurna Nautiyal
Vice Chancellor

Date 5.12.2019
Vice Chancellor
H.N.B. Garhwal University
Seal (A Central University)
Srinagar Garhwal-246174
Uttarakhand (India)


Prof. Prakash Nautiyal
I/C Head
Dept. of Zoology & Biotechnology
HNB Garhwal University
Srinagar Garhwal

Date 5th December 2019.

Seal Professor & Head
Dept. of Zoology & Biotechnology
HNB Garhwal University
Srinagar-Garhwal (Uttarakhand)

भा.कृ.अनु.प.-राष्ट्रीय कृषिउपयोगी सूक्ष्मजीवब्यूरो
(भारतीय कृषिअनुसंधान परिषद्)

ICAR-NATIONAL BUREAU OF AGRICULTURALLY IMPORTANT MICROORGANISMS
(Indian Council of Agricultural Research)

कुशमौर, मऊ उत्तर प्रदेश-275103

Kushmaur, Mau Uttar Pradesh- 275103

Tel (टेलीफोन): (0547) 2530080, FAX (फैक्स): (0547) 2530381,

E-Mail (ई-मेल): director.nbaim@icar.gov.in, (Web): www.nbaim.org.in



Date 14.01.2020

File No. 10-1/2013/Dir/NBAIM/2043

15

To,

Prof. Annpurna Nautiyal,
Vice-Chancellor, H.N.B. Garhwal University
(A Central University) Srinagar Garhwal-246174
Uttarakhand (India).

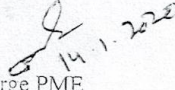
Sub: Submission of signed copy of MoU reg.

Dear Madam,

Please find enclosed herewith the signed copy of MoU for your Kind information and record.

With regards

Yours Faithfully


In-Charge PME
ICAR-NBAIM

CC: Dr. Rahul Kunwar Singh, Assistant Professor of Microbiology, Department of Botany
& Microbiology, H.N.B. Garhwal University.

22/01/2020

Memorandum of Understanding

between

ICAR-National Bureau of Agriculturally Important Microorganisms (NBAIM)

and

Hemvati Nandan Bahuguna Garhwal University (A Central University)

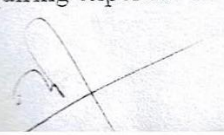
for facilitating Training and Research

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 **National Bureau of Agriculturally Important Microorganisms (NBAIM)** having its Head Office at Mau Nath Bhanjan, Uttar Pradesh [hereinafter called 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 **Hemvati Nandan Bahuguna Garhwal University (A Central University)** having its headquarters at Srinagar Garhwal, Uttarakhand [hereinafter called 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 training and quality 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 Microbiology, Microbial Biotechnology, Extremophile Biology, Bioinformatics (specific mandated domain within the approved disciplines/divisions), AND WHEREAS the "Second Party", established by Govt. of India *vide* Act No. 25 of 2009 (Central University Act 2009) dated March 20, 2009 and recognized by University Grants Commission at its Department of Botany and Microbiology is involved in the studies on Microbiology, Microbial Biotechnology, Extremophile Biology and Cyanobacterial biotechnology

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



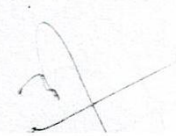
Article 1. Scope

- 1.1. The Second party will recognize Scientists of the NBAIM as recommended by its Director in accordance with the provisions laid down in respective ordinances of the Second party for co-guiding students working for the M.Sc. and Ph.D. degree.
- 1.2. Operational details of research effort and collaboration will be made in common research programmes and/or joint 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 National Agriculture Research System (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 of both the parties. 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.
- 1.5. Both the parties will work closely to develop and execute joint research proposals.
- 1.6. Both the parties will work closely to generate appropriately trained manpower in the identified common areas through organization of symposia, workshop, short term training etc.

Article 2. Management


- 2.1. On the recommendation of respective Head of the Organization, an Advisory committee will be constituted for the effective execution 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 the joint project descriptions entered into pursuant to this MoU.
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- 3.2. The parties support the widest possible dissemination of information. Each party in joint joint projects shall be given the right to use, disclose, publish or disseminate such information for any and all purposes.

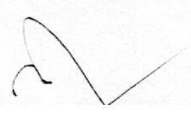
Article 4. General Provisions

- 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 by mutual consent of student and advisors at both the parties and/or 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.
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Article 5. Intellectual Property Rights

- 5.1. Both the parties will be expected to protect the Intellectual Property Rights of each other, generated or likely to be generated during the student's research work. The party, where the major part of the research work was carried out, will be the first applicant and the Second party shall be the joint applicant for IPRs and the students and involved scientific staff shall be included as the inventor/breeder/author. The sharing of benefits from the generated IPR shall be mutually decided in each case.

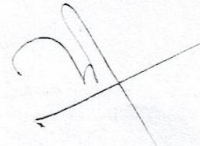
Article 6. Admission and Fees

- 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 Research Advisors would be finalized before the registration and will be governed by the provisions laid out in respective ordinances of Second party or revised Guidelines, if any, as may be issued from time to time.
- 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 Second party would have the right to screen the student's eligibility for admission based on their academic period.
- 6.5. The concerned Board of studies of the Second party in consultation with the PME Cell of the First party shall decide the location and sharing quantum of research work. However, minimum residential period may be relaxed up to maximum of 50% for only those doctoral students having their Co-advisors at First party.
- 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/Second party for training/ research, if found violating the rules and regulations laid down by the respective 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. Any party will not complete the formalities of issuing the certificates to such students until they compensate the losses to the other party.
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- 6.8. Fees will be charged from the students by the First and Second party as per the guidelines effective at the respective parties.

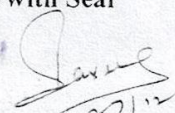
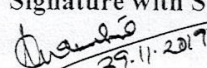
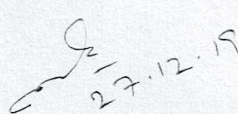
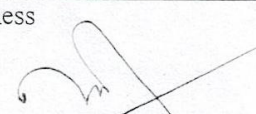
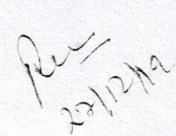
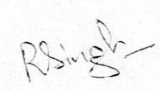
Article 7. Entry into effect, modification and termination

- 7.1. This MoU shall become effective on the date it is signed by the parties and shall be valid for three years. Both parties shall review the status of the MoU at the end of each three year period to determine any modification, whenever necessary. The period of validity of this MoU may be extended by mutual consent up to six 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.
-

A handwritten signature in dark ink, consisting of a stylized 'M' followed by a horizontal line and a diagonal stroke.

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 Bureau of Agriculturally Important Microorganisms, Mau Nath Bhanjan, Uttar Pradesh (Name and Address of the First Party) | Hemvati Nandan Bahuguna Garhwal University, (A Central University) Srinagar (Garhwal) Uttarakhand (Name and Address of the Second Party) |
| Dr. Anil. K. Saxena (Director of the First Party) | Prof. Annpurna Nautiyal (Vice-Chancellor of the Second Party) |
| Tel No. +91 547 2530158 | Tel. No. +91 1346 250260 |
| Date | Date |
| Signature with Seal  27/12/2019 Director ICAR-National Bureau of Agriculturally Important Microorganisms Kushmaur, Mau Nath Bhanjan 275103, Uttar Pradesh | Signature with Seal  29.11.2019 Vice Chancellor H.N.B. Garhwal University (A Central University) Srinagar Garhwal - 246174 Uttarakhand (India) |
| Witness  27.12.19 1 | Witness  HEAD Department of Botany & Microbiology H.N.B. Garhwal University (A Central University) Srinagar Garhwal - 246174 UTTARAKHAND 1 |
|  27/12/19 2 |  RSingh 2 |



Südasien-Institut | Im Neuenheimer Feld 330 | D-69120 Heidelberg

Prof. Dinesh Saklani
Department of History
HNB Garhwal University
Shrinagar, Uttarakhand

Südasien-Institut (SAI)
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Leiter der Abteilung Ethnologie
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F: +49 (0) 6221-54 49 98
M: william.sax@urz.uni-heidelberg.de

15 November, 2018
Heidelberg

Dear Professor Saklani,

this is to confirm that we will be working together on the German Research Foundation - supported project "Tantrik Text Practices: a comparative ethnography of "tantra" in South and Southeast Asia," which is led by me and Prof. Annette Hornbacher, also of Heidelberg University.

Our work will begin this coming February, when I plan to spend a few weeks with Pt. Devi Ram Paboch in Dehra Dun. The duration of the project is three years. We plan to invite you to Heidelberg during the final months of the project, to work on joint publications.

With best wishes,

William S. Sax
Professor and Head
Department of Anthropology, and
Executive Director
South Asia Institute
Heidelberg University



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With best wishes,

William S. Sax
Professor and Head
Department of Anthropology, and
Executive Director
South Asia Institute
Heidelberg University

163-52

MEMORANDUM OF UNDERSTANDING (MoU)

Between the



**Hemvati Nandan Bahuguna Garhwal University
(A Central University) Srinagar Garhwal Uttarakhand - 246 174**

and



**Indian Institute of Technology Kanpur
Kalyanpur, Kanpur -208 016, India**

1-5

Hemvati Nandan Bahuguna Garhwal University (A Central University) Srinagar Garhwal Uttarakhand (hereinafter referred to as “HNBGU”) and Indian Institute of Technology, Kanpur, India (hereinafter referred to as “IIT Kanpur”) have agreed on the following:

HNBGU is, nestled in the lap of Himalayan ranges in the Garhwal region of Uttarakhand is a residential cum affiliating institution of higher learning. The university has state-of-the-art research facilities, some of the best teachers and close academic relations with premier institutions. Its headquarters are at Srinagar some 108 km from Rishikesh along the Delhi-Niti National Highway; Birla Campus at Srinagar (bisected into the Srinagar Campus and the Chauras Campus by the river Alaknanda); BGR Campus set on enticing mountain slopes at Pauri (30 km from Srinagar and some 100 km from Kotdwar, the nearest railway station); and SRT Campus at Badshahi Thaul (Tehri Garhwal) amidst dense pine forest (85 km from Srinagar and 65 km from Rishikesh on the route to Gangotri).

One of the HNBGU Campus which is proposed for the observations, SRT Campus, is situated at the height of 5600 feet from the sea level and located at 30.08°N 78.61°E., the University Campus is surrounded by the lush green trees of cedar, pines, oaks and rhododendrons. This institution is the premier institute of higher learning in the catchments area of Tehri Dam, the largest rock fill dam of Asia. It is located at a distance of 65 kilometres from Rishikesh on Rishikesh-Gangotri National Highway near the hilly town Chamba from where the Campus can be approached at a distance of 3 kilometres drive.

The Indian Institute of Technology-Kanpur (IIT-K), is a leading academic institute having expertise in the area of scientific and technological education and research and the application of scientific knowledge and technology to human advancement and social development, established under a special act of Parliament of Republic of India, incorporated under the Institute of Technology Act, 1961, India.



AGREEMENT FOR SCIENTIFIC AND CULTURAL COLLABORATION

(Objective)

The HNBGU and IIT Kanpur will endeavour to enhance research activities by supporting the other Party's research efforts under the principle of respecting mutual autonomy. In particular, both Parties will contribute to the monitoring of Cloud Condensation Nuclei (CCN) and data streaming from cloud droplet spectra and Understanding the physico-chemical properties responsible for CCN activation and their relation to cloud microphysical properties over high altitude station SRT Campus HNB Garhwal University Tehri Garhwal Uttarakhand.

(Administrative Aspects and Infrastructure).

The HNBGU will provide all possible infrastructural facilities (in kind) at the existing at SRT Campus, Badshahithaul to keep instruments as well as necessary furniture to keep scientific and power supply instruments and manage through the existing staff at campus, which may be decided mutually.

Department of Physics, Birla Campus and SRT Campus HNBGU will act as collaborating Department to look after this project locally and Prof. R C Ramola / Alok sagar Gautam, from the HNBGU will act as local coordinator responsible for scientific as well as administrative work from HNBGU. From IIT Kapur side, Prof S N Tripathi will coordinate the mutual programme.

(Areas for and contents of collaboration)

The specific collaboration of HNBGU with IIT Kanpur involves activities:

- Long-Term observations of the aerosol composition and source apportionment for 3 Years. This involves the deployment of Single Particle Soot Spectrometer, Time of flight High Resolution Aerosol Mass Spectrometer, Cloud Condensation Nuclei Counter, Cloud Combination Probe and Hygroscopic Tandem Differential Mobility Analyzer at SRT Campus Badshahi Thaul, Tehri Garhwal by Indian Institute of Technology, Kanpur.
- Capacity building of HNBGU in cloud and aerosol research with help of IIT-K



3-5

(Exchange of research staff)

HNBGU confirms that only qualified personnel will operate the instrument and that it will be handled with care. In addition, for quality control and external checks, the computer of the instrument has to be attached to the internet at the station.

The exchange of data and knowhow will help to start a more widespread research activity using such powerful instruments in Himalayan region and the experience gained will be invaluable to both parties. Data sharing with any other institution outside of this agreement should be done on mutual consultation and agreement.

A visit of PhD students/Postdocs from IIT Kanpur at the HNBGU for in-depth exchange is foreseen. HNBGU will support the local hospitality for such visits.


In the event of any dispute or difference of opinion between the Parties arising out of or in connection with this Memorandum of Understanding, each of the Parties shall use its best efforts to settle such dispute or difference of opinion amicably by negotiation between the Parties.

(Term of the agreement)

This Memorandum is executed in duplicate in English, one original for each Party. The Memorandum will come into effect from the date of signing and will be valid for the period of three (3) years and may be extendable on mutual agreement. The agreement will come into act with the signatures of the appointed representatives of the two Parties & will have duration of ^{three} five years. HNBGU/IIT Kanpur reserves the right to terminate the agreement. Present agreement may be renewed for additional terms, if mutually desired.

Singed this day:


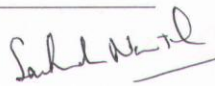

Registrar,
HNB Garhwal University Srinagar
Uttarakhand India
Registrar
H.N.B. Garhwal University
(A Central University)
Srinagar (Garhwal) 246174 Uk


Professor S. Ganesh
Dean, Research & Development,
Indian Institute of Technology
Kanpur, India 12/12/2017

अधिष्ठाता
DEAN
अनुसंधान एवं विकास
Research & Development
आई० आई० टी० कानपुर
T. KANPUR

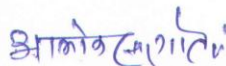
4-5


Project Coordinators/collaborators

| Name (HNBGU) | Signature | Name (IIT Kanpur) | Signature |
|---|---|--|---|
| 1. Prof R C Ramola, Department of Physics, SRT Campus Tehri Garhwal HNB Garhwal University Srinagar Uttarakhand) |  | Prof S N Tripathi Department of Civil Engineering, IIT Kanpur |  |

S. N. TRIPATHI
Professor
Department of Civil Engineering
IIT Kanpur, 208 016 UP INDIA

2. Dr Alok Sagar
Gautam, (Assistant
Professor, Department
of Physics, Birla
Campus HNB
Garhwal University
Srinagar)




Registrar

H.N.B. Garhwal University
(A Central University)
Srinagar (Garhwal) 246174 UK

