

No. DST/CCP/Aerosol/83/2017(C)
Government of India
Ministry of Science & Technology
Department of Science & Technology

Technology Bhavan
New Mehrauli Road
New Delhi 110016
Dated: 15.02.2019

ORDER

Subject: Financial assistance for Research proposal entitled 'What impacts do aerosols have on cloud condensation nuclei, clouds and rainfall over a pristine Himalayan Region' implemented by Department of Physics, Hemwati Nandan Bahuguna Garwal University, Srinagar, Garhwal, Uttarakhand-246174 submitted under Network Program on Climate Change and Aerosol (PI-Dr.Alok Sagar Gautam)

In continuation to this Departments sanction letter of even no. dated 23.03.2018, Sanction of the President is hereby accorded for the release of an additional amount of **Rs.12,54,848/- (Rupees Twelve lakhs fifty four thousand eight hundred forty eight only]** as next installment of funds during the year 2018-19 under 'Creation of capital assets' under the above mentioned project to purchase Aerosol Conditioning System due to devaluation of rupees and revise the total cost of the project from **Rs. 62,37,135/- to Rs.74,91,983/-**.

2. This sanction is subject to the condition that the grantee organization will furnish to the Department of Science & Technology, financial year wise Utilization Certificate (UC) in the Performa 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 and project completion report within one year from the scheduled date of completion of the project.
3. The grantee organization 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 equipment(s), separate SE/UC has to be furnished for the released Capital head grant.
5. The grant-in-aid being released is subject to the condition that
 - a. transparent procurement procedure in line with the Provision of General Financial Rules 2017 will be followed by the institute/organisation under the appropriate rules of the grantee organization while procuring capital assets



sanctioned for the above mentioned project and a certificate to this effect will be submitted by the Grantee organization immediately on receipt of the grant:

- b. While submitting Utilization Certificate/Statement of Expenditure, the organization 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.
6. 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 DST (financial year wise) while submitting the Statement of Expenditure/Utilization Certificate.
 7. 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. For grants released during F.Y. 2017-18 and onwards, all interests and other earnings, against released Grant shall be remitted to Consolidated Fund of India (through Non-Tax Receipt Portal (NTRP) i.e. www.bharatkosh.gov.in), immediately after finalization of the accounts., as it shall not be adjusted towards future release of grant. A certificate to this effect shall have to be submitted along with Statement of Expenditure/Utilization Certificate for considering subsequent release of grant/closure of project accounts.
 8. DST reserves sole rights 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 DST.
 9. In case the scheme provides for payment of honorarium/ remuneration/ fellowship/scholarship to the PI, a para may suitably be incorporated in the DSO to the effect that "PI is not drawing any emolument/salary/fellowship from any other project either supported by DST or by any other funding agency.
 10. The account of the grantee organization shall be open to inspection by the sanctioning authority and audit (both by C&AG of India and Internal Audit by the Principal Account Office of the DST), whenever the organization is called upon to do so, as laid down under Rule 236(1) of General Rules 2017.
 11. Due acknowledgement of technical support/ financial assistance resulting from this project grant should mandatorily be highlighted by the grantee organization in bold letters in all publication/ media releases as well as in the opening paragraphs of their Annual Reports during and after the completion of the project.
 12. Failure to comply with the terms and conditions of the Bond will entail full refund with interest in terms of Rules 231 (2) of GFR 2017.
 13. The expenditure involved is debitable to Demand No. **84**, Department of Science and Technology for the year 2018-19.

3425
60

Other Scientific Research (Major Head)
Other (Sub Major Head)




60.200 Assistance to other Scientific bodies (Minor Head)
69.00 Research and Development (SPLICE- Climate Change Program)
69.00.35 Grant for Creation of capital assets for the year 2018-19 (Plan)
(Previous: SPLICE-CCP – 3425.60.200.56.04.35)

14. The amount of Rs.12,54,848/- (Rupees Twelve lakhs fifty four thousand eight hundred forty eight only] under 'Creation of capital assets' will be drawn by the Drawing & Disbursing Officer (DDO), DST and will disbursed to the Director, Department of Physics, Hemwati Nandan Bahuguna Garwal University, Srinagar, Garhwal, Uttarakhand-246174 by means of RTGS as per bank details given below:

Bank Name	State Bank of India
Branch	HNBGU Srinagar
Account Number	30703830429
RTGS/IFS Code	SBIN0010583

15. As per Rule 234 of GFR 2017, this sanction has been entered at S. No⁹³ in the register of grants maintained in the Division for the scheme Research & Development (SPLICE-Climate Change Program)

16. This issues with the concurrence of IFD vide their Concurrence Dy. No.5102/IFD/2018-19 dated 06.02.2019.

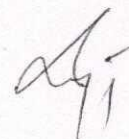

(Susheela Negi)
Sc.'E'/ Ph: 26590551

To,

Pay and Accounts Officer

Copy forwarded for information and necessary action to:

1. The Director of Audit (CW and M-II), Indraprastha Estate, AGCR Building, New Delhi.
2. Head (SPLICE, DST)
3. Section Officer (Cash, 3 Copies), DST
4. Integrated Finance Division
5. Dr. PI-Dr.Alok Sagar Gautam) Department of Physics, Hemwati Nandan Bahuguna Garwal University, Srinagar, Garhwal, Uttarakhand-246174.
6. Director, Department of Physics, Hemwati Nandan Bahuguna Garwal University, Srinagar, Garhwal, Uttarakhand-246174
7. Sanction folder/ file



DST/CCP/Aerosol/83/2017(G)
Government of India
Ministry of Science & Technology
Department of Science & Technology
(SPLICE- Climate Change Programme)

Technology Bhavan, New Delhi
Dated: 23.03.2018

ORDER

Sub: Financial assistance to the project titled "What impacts do aerosols have on cloud condensation nuclei, clouds and rainfall over a pristine Himalayan region" to be implemented by Department of Physics, Hemwati Nandan Bahuguna Garhwal University, Srinagar, Garhwal, Uttarakhand-246174. (PI- Dr. Alok Kumar Gautam).

The sanction of the President is hereby accorded to the above-mentioned project at a **Total cost of Rs.62,37,135/- (Rupees Sixty two lakhs thirty seven thousand and one hundred thirty five only)** with a break up of **Rs.34,49,695/- only** under General head and of **Rs.27,87,440/- only** under Capital head for a duration of three years. The items of expenditure for which the allocation has been approved are given below:

Head	I Yr	II Yr	III Yr	Total
Non- Recurring	₹	₹	₹	₹
Automatic Weather Station	477440	--	--	477440
Aerosol Conditioning System	2310000	--	--	2310000
Non-Recurring Total (A)	2787440	--	--	2787440
Recurring	₹	₹	₹	₹
JRF @ 25000/Month + HRA 10%	330000	330000	369600	1029600
Project Assistant 3Nos @ 8000/Month Consolidated	288000	288000	288000	864000
Consumables	200000	200000	100000	500000
Travel	200000	200000	100000	500000
Other Costs/Contingencies	50000	50000	50000	150000
Sub Total	1068000	1068000	907600	3043600
OH charges	208535	106800	90760	406095
Recurring Total (B)	1276535	1174800	998360	3449695
Grand Total (A+B)	4063975	1174800	998360	6237135

2. Sanction of the President is also conveyed to the payment of Rs 40,63,975/- (Rs 12,76,535/- only under General head and Rs 27,87,440/- only under Capital head) to **Department of Physics, Hemwati Nandan Bahuguna Garhwal University, Srinagar, Garhwal, Uttarakhand-246174.** as first instalment of grant for the year 2017-18 for implementation of the said Proposal. Sanction of the grant is subject to the conditions as detailed in this sanction order. The acceptance of the grant will automatically imply acceptance of DST's term and conditions of the grant. The project would be monitored by a monitoring committee appointed by DST, Govt. of India. The Principal Investigator of the project has to ensure of obtaining the statutory clearances required for execution of the project.



3. This sanction is subject to the condition that the grantee organization will furnish to the Department of Science & Technology, financial year wise Utilization Certificate (UC) in the Performa 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 and project completion report within one year from the scheduled date of completion of the project.
4. The grantee organization 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.
5. If the grant has been released under capital head through separate sanction order under the same project for purchase of equipment(s), separate SE/UC has to be furnished for the released Capital head grant.
6. The grant-in-aid being released is subject to the condition that
 - a. transparent procurement procedure in line with the Provision of General Financial Rules 2017 will be followed by the institute/organisation under the appropriate rules of the grantee organization while procuring capital assets sanctioned for the above mentioned project and a certificate to this effect will be submitted by the Grantee organization immediately on receipt of the grant:
 - b. While submitting Utilization Certificate/Statement of Expenditure, the organization 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. 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 DST (financial year wise) while submitting the Statement of Expenditure/Utilization Certificate. The interest thus earned will be treated as a credit to the grantee organization, which will be adjusted towards future release of grant.
8. DST reserves sole rights 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 DST.
9. The account of the grantee organization shall be open to inspection by the sanctioning authority and audit (both by C&AG of India and Internal Audit by the Principal Account Office of the DST), whenever the organization is called upon to do so, as laid down under Rule 236(1) of General Rules 2017.
10. Due acknowledgement of technical support/ financial assistance resulting from this project grant should mandatorily be highlighted by the grantee organization in bold letters in all publication/ media releases as well as in the opening paragraphs of their Annual Reports during and after the completion of the project.




11. Failure to comply with the terms and conditions of the Bond will entail full refund with interest in terms of Rules 231 (2) of GFR 2017.
12. The expenditure involved is debitable to Demand No. 84, Department of Science and Technology for the year 2017-18.

3425	Other Scientific Research (Major Head)
60	Other (Sub Major Head)
60.200	Assistance to other Scientific bodies (Minor Head)
69.00	Research and Development (SPLICE- Climate Change Program)
69.00.31	Grant in aid General for the year 2017-18 (Plan)
	(Previous: SPLICE-CCP – 3425.60.200.56.04.31)

The amount of Rs. 12,76,535/- (Rupees Twelve lakhs seventy six thousands five hundred thirty five only) under 'Grants-in-aid General' will be drawn by the Drawing & Disbursing Officer (DDO), DST and will be disbursed to the **Director**, Department of Physics, Hemwati Nandan Bahuguna Garhwal University, Srinagar, Garhwal, Uttarakhand-246174. By means of RTGS as per bank details given below:

Bank Name	State Bank of India
Branch Name	HNBGU Srinagar
Account Number	30703830429
IFSC Code	SBIN0010583


13. As per Rule 234 of GFR 2017, this sanction has been entered at S. No. 112 in the register of grants maintained in the Division for the scheme Research & Development (SPLICE-Climate Change Program)
14. These issues with the concurrence of IFD vide their Concurrence Dy. No.5857 Dated.23.03.2018


(Susheela Negi)
Scientist-D/ 23.03.2018

To,
Pay and Accounts Officer

Copy forwarded for information and necessary action to:

1. The Director of Audit (CW and M-II), Indraprastha Estate, AGCR Building, New Delhi.
2. Head (SPLICE, DST)
3. Section Officer (Cash, 3 Copies), DST
4. Integrated Finance Division
5. **Director**, Department of Physics, Hemwati Nandan Bahuguna Garhwal University, Srinagar, Garhwal, Uttarakhand-246174.
6. **PI- Dr. Alok Kumar Gautam**, Department of Physics, Hemwati Nandan Bahuguna Garhwal University, Srinagar, Garhwal, Uttarakhand-246174.


(Susheela Negi)
Scientist-D/ 23.03.2018

DST/CCP/Aerosol/83/2017(C)
Government of India
Ministry of Science & Technology
Department of Science & Technology
(SPLICE- Climate Change Programme)

Technology Bhavan, New Delhi
Dated: 23.03.2018

ORDER

Sub: Financial assistance to the project titled "What impacts do aerosols have on cloud condensation nuclei, clouds and rainfall over a pristine Himalayan region" to be implemented by Department of Physics, Hemwati Nandan Bahuguna Garhwal University, Srinagar, Garhwal, Uttarakhand-246174. (PI- Dr. Alok Kumar Gautam).

In continuation of the sanction order of even no. dated 23.03.2018, Sanction order of the President is hereby accorded to the first release of ₹27,87,440/- (Rupees twenty seven lakhs eighty seven thousand four hundred forty only) as a grant under 'Creation of capital assets' under in the above mentioned project as per the following details:

Head	I Yr	II Yr	III Yr	Total
Non- Recurring	₹	₹	₹	₹
Automatic Weather Station	477440	--	--	477440
Aerosol Conditioning System	2310000	--	--	2310000
Non-Recurring Total (A)	2787440	--	--	2787440

2. This sanction is subject to the condition that the grantee organization will furnish to the Department of Science & Technology, 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 and project completion report within one year from the scheduled date of completion of the project.
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4. If the grant has been released under capital head through separate sanction order under the same project for purchase of equipment (s), separate SE/UC has to be furnished for the released Capital head grant
5. The grant-in-aid being released is subject to the condition that
 - a. transparent procurement procedure in line with the Provision of General Financial Rules 2017 will be followed by the Institute/Organisation under the appropriate rules of the grantee organization while procuring capital assets sanctioned for the above mentioned project and a certificate to this effect will be submitted by the Grantee organization immediately on receipt of the grant:



- b. While submitting Utilization Certificate/Statement of Expenditure, the organization 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.
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 7. DST reserves sole rights 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 DST.
 8. In case the scheme provides for payment of honorarium/ remuneration/ fellowship/scholarship to the PI, a para may suitably be incorporated in the DSO to the effect that "PI is not drawing any emolument/salary/fellowship from any other project either supported by DST or by any other funding agency.
 9. The account of the grantee organization shall be open to inspection by the sanctioning authority and audit (both by C&AG of India and Internal Audit by the Principal Account Office of the DST), whenever the organization is called upon to do so, as laid down under Rule 236(1) of General Rules 2017
 10. Due acknowledgement of technical support/ financial assistance resulting from this project grant should mandatorily be highlighted by the grantee organization in bold letters in all publication/ media releases as well as in the opening paragraphs of their Annual Reports during and after the completion of the project.
 11. Failure to comply with the terms and conditions of the Bond will entail full refund with interest in terms of Rules 231 (2) of GFR 2017.
 12. The expenditure involved is debitable to Demand No. 84, Department of Science and Technology for the year 2017-18.


3425	Other Scientific Research (Major Head)
60	Other (Sub Major Head)
60.200	Assistance to other Scientific bodies (Minor Head)
69.00	Research and Development (SPLICE- Climate Change Program)
69.00.35	Grant for Creation of capital assets for the year 2017-18 (plan) (Previous: SPLICE-CCP – 3425.60.200.56.04.35)
 - 13 The amount of ₹27,87,440/- (Rupees twenty seven lakhs eighty seven thousand and four hundred fourty only) under "Creation of capital assets" will be drawn by the Drawing & Disbursing officer of the DST and will be disbursed to the "Director, Department of Physics, Hemwati Nandan Bahuguna Garhwal University, Srinagar, Garhwal, means of RTGS as per bank details given below:

Bank Name	State Bank of India
Branch Name	HNBGU Srinagar
Account Number	30703830429
IFSC Code	SBIN0010583

(Signature)

14 As per Rule 234 of GFR 2017, this sanction has been entered at S. No.113 in the register of grants maintained in the Division for the scheme SPLICE-Climate Change Programme


15 These issues with the concurrence of IFD vide their Concurrence Dy. No. 5858 dated.23.03.2018


(Susheela Negi)
Scientist-D/ 23.03.2018

To,
Pay and Accounts Officer
DST, New Delhi

Copy forwarded for information and necessary action to:

1. The Director of Audit (CW and M-II), Indraprastha Estate, AGCR Building, New Delhi.
2. Cash section (3 copies).
3. Integrated Finance Division, DST
4. Head & Advisor, SPLICE- Climate Change Actions, DST.
5. Sanction folder, SPLICE- Climate Change Actions
6. **Director**, Department of Physics, Hemwati Nandan Bahuguna Garhwal University, Srinagar, Garhwal, Uttarakhand-246174.
7. **PI- Dr. Alok Kumar Gautam**, Department of Physics, Hemwati Nandan Bahuguna Garhwal University, Srinagar, Garhwal, Uttarakhand-246174.


(Susheela Negi)
Scientist-D/ 23.03.2018

1	3.2.	Research funding received by the institution and its faculties through Government and non-government sources such as industry, corporate houses, international bodies for research project, endowments, Research Chairs during the last five years (INR in Lakhs) (25)			
		3.2.1.1: Total Grants for Research funding received by the institution and its faculties through Government and non-government sources such as industry, corporate houses, international bodies for research project, endowments, Research Chairs during the last five years (INR in Lakhs)			Rs. 390.23 Lakh
2	3.2.	Number of research projects per teacher funded by government, non-government , industry, corporate houses, international bodies during the last five years			
		3.2.2.1: Number of research projects funded by government and non-government agencies during the last five years			7
		3.2.2.2 : Number of full time teachers working in the institution during the last 5 years			5
S.No	Name of of the PI/ Co-PI	Title of the Research Project	Name of the funding agency	Year of award or sanction	Amount in Rs.(Lakh)
1	Prof. M. C. Nautiyal, Dr.V. K. Purohit	Establishment of Gene pool, Propagation and EX-situ conservation of selected sensitive high altitude medicinal and aromatic plant species and Nature Interpretation Site (NIS) for creating awareness among the various stakeholders	National Mission on Himalayan Studies (NMHS)	2016	207.96

2	Dr. V. K. Purohit	Promotion of Conservation of Nardostachys grandiflora (Jatamansi) by focousing Extension of propagation technology and development of clusters with particular reference to higher Himalayan region of Uttarakhand	National Medicinal Plant Board (NMPB)	2015	48.82
3	Prof. M. C. Nautiyal	Characterizing Patterns and Processes of Alpine Ecosystem in Indian Himalaya with Special Emphasis to Garhwal, Uttarakhand.	ISRO-SAC	2019	30

4	Dr. V. K. Purohit	Development of large scale seedlings and promotion of cultivation of selected high altitudemedicinal plants (Nardostachys grandiflora, Aconitum balfourii, Aconitum heterophyllum, Picrorhizakurrooa, Saussurea costus and Valeriana wallichii) in farmer's field in high altitude region of Uttarakhand	Dabur India Limited	2021	31.03
5	Dr. V. K. Purohit, Dr. Babita Patni, Dr. Vijay Laxmi	Production of quality planting material, cultivation and market linkages of four commercially important plants of Himalayan region (Aconitum heterophyllum, Gaultheria fragrantissima, Nardostachys jatamansi and Swertia chirayita).	DBT	2021	55.02

6	Dr. Vijay Laxmi	Assessment of Nutraceutical and chemical composition of the Himalayan spice "Allium stracheyi" and their micropropagation for sustainable utilization	Uttarakhand Council for Biotechnology	2022	7.95
7	Dr. Vijay Kant Purohit	Evaluation and standardization of applicable fast propagation techniques (biotechnology and conventional) of highly values and high risk plant species Inula racemosa (Pushkarmool) and Paris polyphylla (Satuwa) for promotion of cultivation and conservation of species in higher himalayan region of Uttarakhand	Uttarakhand Council for Biotechnology	2022	9.45
	Total				390.23

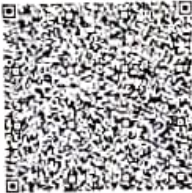


सत्यमेव जयते

e-Stamp

Certificate No. : IN-DL77428322040661S
Certificate Issued Date : 03-Sep-2020 03:27 PM
Account Reference : IMPACC (IV)/ dl792203/ 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)


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



Authorised Signatory

Statutory Alert:

1. The authenticity of this Stamp Certificate should be verified at "www.sholestamp.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.

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 project Welfare And Charitable Trust 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 kurrooa*)
- 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 plantation 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 Welfare And Charitable Trust

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 kurrooa*)
- 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 Welfare 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.

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Authorized 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. v. Sumpali
Badari, Navapada 9PL,
C-4, Capetown, Sector
Sec-76, Noida

Witness-1(ii):

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

Witness-2:

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

Name: *A. SUDHAKAR*
A. Juman



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

A. R. Nautiyal
HAPPRC P.B. No. 14
H.N.B. Garhwal University
(A Central University)
Director/HOD, HAPPRC (Garhwal) U.K.
PIN - 246174

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

Annappurna Nautiyal
6.10.2021
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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		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 production achieved,
5.	Vatsnabh (<i>Aconitum balfourii</i>)	Seed collection 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 production from one nali of land.	
6.	#Tagar/Sugandhbala (<i>Valeriana wallichii</i>)	Seed collection 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 1.0ha of land on the basis of 22 Kg production 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.

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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 kurrooa</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		
3.	Jatamansi (<i>Nardostachys grandiflora</i>)	April-August	
	Kuth (<i>Saussurea costus</i>)	April-August	
	Kutki (<i>Picrorhiza kurrooa</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

48

Nonrecurring (HBM)

No. BT/PR45245/NER/95/1907/2022
GOVERNMENT OF INDIA
MINISTRY OF SCIENCE & TECHNOLOGY
DEPARTMENT OF BIOTECHNOLOGY

Block 2, 6-8th Floors
CGO Complex, Lodhi Road,
New Delhi- 110 003

Date: 28/03/2022

RELEASE ORDER

In continuation of this Department's sanction order of even number dated Mar 25, 2022 sanction of the President is hereby accorded, under Rule 18 of the Delegation of Financial Powers Rule, 1978, for release of ₹ 7,77,000.00 (Rupees Seven Lakhs Seventy Seven Thousand Only) being the first year release for the project entitled "**Production of quality planting material, cultivation and market linkages of four commercially important plants of Himalayan region (*Aconitum heterophyllum*, *Gaultheria fragrantissima*, *Nardostachys jatamansi* and *Swertia chirayita*)**" under Himalayan Bioresource Mission, being implemented by:

1. Prof. M C Nautiyal, Director, High Altitude Plant Physiology Research Centre, H.N.B. Garhwal (Central) University, Srinagar – 246174, Pauri Garhwal, Uttarakhand
2. Dr. H Sunitabala Devi, Scientist E, DBT-Institute of Bioresources and Sustainable Development, Takyelpat Institutional Area, Imphal – 795001, Manipur
3. Dr. Jitendra Kumar Shukla, Scientist E, DBT-Institute of Bioresources and Sustainable Development, 6th Mile, Upper Shillong – 793009, Meghalaya
4. Dr. Vijaykant Purohit, Senior Scientific Officer, High Altitude Plant Physiology Research Centre, H.N.B. Garhwal (Central) University, Srinagar – 246174, Pauri Garhwal, Uttarakhand
5. Dr. Babita Paatni, Assistant Professor, High Altitude Plant Physiology Research Centre, H.N.B. Garhwal (Central) University, Srinagar – 246174, Pauri Garhwal, Uttarakhand

The detailed break-up is as given below:

S. No.	Institute Name	Non-Recurring		Total Release Amount (₹)
		Equipment	Other	
1.	HNB Garhwal University, Srinagar	136000.00	0.00	136000.00
2.	DBT-IBSD, Imphal	641000.00	0.00	641000.00

2. The amount of ₹ 7,77,000.00 (Rupees Seven Lakhs Seventy-Seven Thousand Only) will be directly credited by the Pay & Accounts Officer, DBT in the account as detailed below:

- a) ₹ 1,36,000.00 (Rupees One Lakhs Thirty-Six Thousand Only) to The Finance Officer, HNB Garhwal University, Srinagar, Pauri Garhwal, Uttarakhand

Bank Name : Union Bank of India
Branch Name : Srinagar, Pauri Garhwal
A/c No. : 526002010002360
IFSC Code : UBIN0552607.
MICR Code : Not Provided

- b) ₹ 6,41,000.00 (Rupees Six Lakhs Forty-One Thousand Only) to The Director, DBT-Institute of Bioresources and Sustainable Development, Imphal, Manipur

Vanshal

डॉ. वैशाली पंत / Dr. Vanshali Pant, JI
वैशाली पंत / Vanshali Pant
बायोटेक्नोलॉजी विभाग / Dept. of Biotechnology
विज्ञान और प्रौद्योगिकी विभाग / M/o Science & Tech

Bank Name : STATE BANK OF INDIA
 Branch Name : Imphal secretariat
 A/c No. : 30098603558
 IFSC Code : SBIN0004562
 MICR Code : 795002003

3. The expenditure involved is debitable to:

Demand No. 89	Department of Biotechnology
3425	Other Scientific Research 2021-2022
3425.60	Others (Sub Major Head)
3425.60.200	Assistance to other Scientific Bodies (Minor Head)
3425.60.200.29	Biotechnology Research and Development
3425.60.200.29.17	Assistance to Research and Development
3425.60.200.29.17.35	Grants for creation of capital assets

4. The Non-Recurring items must be procured and installed within 18-months of the sanction of the project, failing which the PIs have to return the remaining/unutilized non-recurring grant with 10% of Interest. In case the amount of grant-in-aid is refunded, the whole or a part amount of the grant, with an interest at 10% per annum there on shall be recovered.
5. The Finance Officer, H.N.B. Garhwal University, Garhwal, Uttarakhand and The Director, DBT-IBSD, Imphal, Manipur will submit audited utilization certificates and statements of expenditure in respect of the above-mentioned amount.
6. The expenditure by the implementing agency is to be incurred only through the EAT module of PFMS.
7. As per Rule 236 (1) of GFR 2017, the accounts of all Grantee Institutions or Organisations shall be open to inspection by the sanctioning authority and audit, both by the Comptroller and Auditor General of India under the provision of CAG(DPC) Act 1971 and internal audit by the Principal Accounts Office of the Ministry or Department, whenever the Institution or Organisation is called upon to do so.
8. No International Travel will be undertaken from the sanctioned project grant unless specified otherwise.
9. The Institute/Agency will keep the whole of the grant in a Bank Account earning interest, and the interest so earned should be reported to DBT in the Utilisation Certificate and Statement of Expenditure. The interest earned should be remitted to the Consolidated fund of India through Bharat Kosh portal (www.bharatkosh.gov.in) as per GFR-2017-230(8) after finalization of the account for a given Financial Year.
10. The other terms and conditions governing the financial sanction will remain unaltered.
11. This issues under the powers delegated to this Department and with the concurrence of IFD, DBT, vide their SAN No. **102/IFD/SAN/3613/2021-2022** dated **March 25, 2022**.
12. This sanction order has been noted at serial no. **48** dated **25-03-2022** in the Register of Grants.

Vaishali
 (Dr. Vaishali Panjabi)
 Scientist 'E'

Dr. Vaishali Panjabi
 Scientist 'E'
 Department of Biotechnology
 Government of India
 New Delhi

To,
The Pay & Accounts Officer,
Department of Biotechnology,
New Delhi – 110003

Copy to:

1. The Principal Director of Audit (Scientific Departments), DACR Building, New Delhi – 110002
2. The Finance Officer, H.N.B. Garhwal University, Srinagar – 246174, Pauri Garhwal, Uttarakhand
3. The Director, DBT-Institute of Bioresources and Sustainable Development, Takyelpat Institutional Area, Imphal – 795001, Manipur
4. Prof. M C Nautiyal, Director, High Altitude Plant Physiology Research Centre, H.N.B. Garhwal (Central) University, Srinagar – 246174, Pauri Garhwal, Uttarakhand
5. Dr. H Sunitabala Devi, Scientist E, DBT-Institute of Bioresources and Sustainable Development, Takyelpat Institutional Area, Imphal – 795001, Manipur
6. Dr. Jitendra Kumar Shukla, Scientist E, DBT-Institute of Bioresources and Sustainable Development, 6th Mile, Upper Shillong – 793009, Meghalaya
7. Dr. Vijaykant Purohit, Senior Scientific Officer, High Altitude Plant Physiology Research Centre, H.N.B. Garhwal (Central) University, Srinagar – 246174, Pauri Garhwal, Uttarakhand
8. Dr. Babita Paatni, Assistant Professor, High Altitude Plant Physiology Research Centre, H.N.B. Garhwal (Central) University, Srinagar – 246174, Pauri Garhwal, Uttarakhand
9. Cash Section, DBT (2 copies).
10. Sanction Folder.
11. File Copy.
12. **US (IFD), DBT With a request to re-appropriate an amount of ₹ 7.77 lakhs from the respective NER budget.**

Vaishali

(Dr. Vaishali Panjabi)
Scientist 'E'

Dr. Vaishali Panjabi / Dr. Vaishali Panjabi
Scientist 'E' / Scientist 'E'
Dept. of Biotechnology
/ IISc Science & Tech.
New Delhi, India, N. Delhi

48-49

Admin (HBM)

No. BT/PR45245/NER/95/1907/2022
GOVERNMENT OF INDIA
MINISTRY OF SCIENCE & TECHNOLOGY
DEPARTMENT OF BIOTECHNOLOGY

Block 2, 6-8th Floors
CGO Complex, Lodhi Road,
New Delhi- 110 003

Dated: 25/03/2022

ORDER

Sanction of the President is hereby accorded, under Rule 18 of the Delegation of Financial Powers Rules, 1978, for implementation of the project entitled "**Production of quality planting material, cultivation and market linkages of four commercially important plants of Himalayan region (*Aconitum heterophyllum*, *Gaultheria fragrantissima*, *Nardostachys jatamansi* and *Swertia chirayita*)**" under Himalayan Bioresource Mission for a period of 3 years at a total cost of ₹ 1,46,91,520.00 (Rupees One Crores Fourty-Six Lakhs Ninety-One Thousand Five Hundred and Twenty Only) on the terms and conditions detailed here under:

2 The Project:

2.1 Title: Production of quality planting material, cultivation and market linkages of four commercially important plants of Himalayan region (*Aconitum heterophyllum*, *Gaultheria fragrantissima*, *Nardostachys jatamansi* and *Swertia chirayita*)

2.2 Details of the Investigators:

Principal Investigators (PIs):

1. Prof. M C Nautiyal, Director, High Altitude Plant Physiology Research Centre, H.N.B. Garhwal (Central) University, Srinagar – 246174, Pauri Garhwal, Uttarakhand
2. Dr. H Sunitabala Devi, Scientist E, DBT-Institute of Bioresources and Sustainable Development, Takyelpat Institutional Area, Imphal – 795001, Manipur
3. Dr. Jitendra Kumar Shukla, Scientist E, DBT-Institute of Bioresources and Sustainable Development, 6th Mile, Upper Shillong – 793009, Meghalaya
4. Dr. Ramesh Chandra Uniyal, Member Secretary, Zandu Foundation for Health Care, Village Ambach, Taluka - Pardi, Vapi, District Valsad – 396145, Gujarat
5. Dr. Vijaykant Purohit, Senior Scientific Officer, High Altitude Plant Physiology Research Centre, H.N.B. Garhwal (Central) University, Srinagar – 246174, Pauri Garhwal, Uttarakhand
6. Dr. Vijay Laxmi, Assistant Professor, High Altitude Plant Physiology Research Centre, H.N.B. Garhwal (Central) University, Srinagar – 246174, Pauri Garhwal, Uttarakhand
7. Dr. Vinod Kumar Bisht, Scientist-in-Charge, Zandu Foundation for Health Care, Village Ambach, Taluka - Pardi, Vapi, District Valsad – 396145, Gujarat
8. Dr. Babita Paatni, Assistant Professor, High Altitude Plant Physiology Research Centre, H.N.B. Garhwal (Central) University, Srinagar – 246174, Pauri Garhwal, Uttarakhand

Co-PI:

1. Dr. Y Rajashekar, Scientist D, DBT-Institute of Bioresources and Sustainable Development, Takyelpat Institutional Area, Imphal – 795001, Manipur

Vandana

डॉ. वैशाली वैशाली / Scientist E
वैज्ञानिक 'ई' / Scientist E
बायोटेक्नोलॉजी विभाग / Dept. of Biotechnology
विज्ञान और प्रौद्योगिकी विभाग / Dept. of Science & Tech.
संयुक्त प्रौद्योगिकी विभाग / Joint Biotech. Dept.
नया दिल्ली / New Delhi

2.3 Objectives:

1. Production of seed & quality planting material of *Aconitum heterophyllum*, *Gaultheria fragrantissima*, *Nardostachys jatamansi* and *Swertia chirayita* at nursery/farmer's field for trial cultivation.
2. Initiation of large-scale commercial cultivation of *A. heterophyllum*, *G. fragrantissima*, *N. jatamansi* and *S. chirayita*, in clusters of farmers
3. Post-harvest processing of *A. heterophyllum*, *N. jatamansi* and *S. chirayita* and value addition of *G. fragrantissima* for oil production and its market linkages
4. Formation of FPO and Market linkages

2.4 Time Schedule: The duration of the project is 3 years from the date of this sanction order.

2.5 Project Cost: The total cost of the project is ₹ 1,46,91,520.00 (Rupees One Crores Fourty-Six Lakhs Ninety-One Thousand Five Hundred and Twenty Only) as per details given below:

Institute	Year I	Year II	Year III	Total Cost (₹)
1. HNB Garhwal University, Srinagar	1958000	1822000	1722000	5502000
2. DBT-IBSD, Imphal	2111040	1370040	1170040	4651120
3. Zandu Foundation for Health Care, Ambach	1512800	1512800	1512800	4538400
Total Cost (₹)	5581840	4704840	4404840	14691520

Institute wise details:

Budget Head	Year I	Year II	Year III	Total (₹)
1. HNB Garhwal University, Srinagar				
Equipment	136000.00			136000.00
Manpower	972000.00	972000.00	972000.00	2916000.00
Consumables	700000.00	700000.00	600000.00	2000000.00
Travel	50000.00	50000.00	50000.00	150000.00
Contingency	50000.00	50000.00	50000.00	150000.00
Overhead	50000.00	50000.00	50000.00	150000.00
Total (₹)	1958000.00	1822000.00	1722000.00	5502000.00
2. DBT-Institute of Bioresources and Sustainable Development, Imphal				
Equipment	641000.00			641000.00
Manpower	635040.00	635040.00	635040.00	1905120.00
Consumables	700000.00	600000.00	400000.00	1700000.00
Travel	100000.00	100000.00	100000.00	300000.00
Contingency	35000.00	35000.00	35000.00	105000.00
Total (₹)	2111040.00	1370040.00	1170040.00	4651120.00
3. Zandu Foundation for Health Care, Ambach, Gujarat				
Manpower	712800.00	712800.00	712800.00	2138400.00
Consumables	600000.00	600000.00	600000.00	1800000.00
Travel	100000.00	100000.00	100000.00	300000.00
Contingency	50000.00	50000.00	50000.00	150000.00
Overhead	50000.00	50000.00	50000.00	150000.00
Total (₹)	1512800.00	1512800.00	1512800.00	4538400.00

Vandana

Total (₹)	1512800.00	1512800.00	1512800.00	4538400.00
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2.6 Equipment: The details of equipment sanctioned for the implementation of the project are at Annexure-I.

2.7 Manpower: The details of manpower sanctioned for the implementation of the project are at Annexure-II.

3. Head of Account:

The **Non-Recurring** expenditure involved is debit to:

Demand No. 89	Department of Biotechnology
3425	Other Scientific Research 2021-2022
3425.60	Others (Sub Major Head)
3425.60.200	Assistance to other Scientific Bodies (Minor Head)
3425.60.200.29	Biotechnology Research and Development
3425.60.200.29.17	Assistance to Research and Development
3425.60.200.29.17.35	Grants for creation of capital assets

The **Recurring** expenditure involved is debit to:

Demand No. 89	Department of Biotechnology
3425	Other Scientific Research 2021-2022
3425.60	Others (Sub Major Head)
3425.60.200	Assistance to other Scientific Bodies (Minor Head)
3425.60.200.29	Biotechnology Research and Development
3425.60.200.29.17	Assistance to Research and Development
3425.60.200.29.17.31	Grants-in-Aid General

4. Terms & Conditions:

4.1 The Non-Recurring items must be procured and installed within 18-months of the sanction of the project, failing which the PIs have to return the remaining/unutilized non-recurring grant with 10% of Interest. In case the amount of grant-in-aid is refunded, the whole or a part amount of the grant, with an interest at 10% per annum there on shall be recovered.

4.2 A Memorandum of Agreement (MoA) will be signed between the Department of Biotechnology and the grantee institution on non-judicial stamp paper ₹100/- in the enclosed format and the second release/instalment will be made only after signing of MoA between the grantee institutions and DBT. In case of NGO's and Private Institution's, execution of MOA is mandatory before first release. A format of the MoA is enclosed in Annexure-IV.

4.3 The expenditure by the implementing agency is to be incurred only through the EAT module of PFMS.

4.4 The Institute/Agency will keep the whole of the grant in a Bank Account earning interest, and the interest so earned should be reported to DBT in the Utilisation Certificate and Statement of Expenditure. The interest earned should be remitted to the Consolidated fund of India through Bharat Kosh portal (www.bharatkosh.gov.in) as per GFR-2017-230(8) after finalization of the account for a given Financial Year.

Vandana

Dr. Vandana / Dr. VANDANA PANJABI
 Scientist 'B' / Scientist 'B'
 Department of Biotechnology / Dept. of Biotechnology
 Ministry of Science, Technology & Innovation / M/o Science & Tech.
 Govt. of India, N. Delhi

5. No International Travel will be undertaken from the sanctioned project grant unless specified otherwise.
6. The Director, DBT-Institute of Bioresources and Sustainable Development, Imphal, Manipur and The Finance Officer, H.N.B. Garhwal University, Garhwal, Uttarakhand and The Scientist-in-Charge, Zandu Foundation for Health Care, Ambach, Gujarat would be responsible for submission of Statements of Expenditure (SoE), utilization certificates (UC), Assets Certificates, Manpower staffing & expenditure details in prescribed DBT formats to DBT in respect of grants released in this project from time to time.
7. PI's of DBT sponsored projects can consider appointment of JRF from Category-II merit list of DBT-BET exam so that candidates can be paid fellowships at par with NET/GATE/BET qualified candidates as per DST OM No. A.SR/S9/Z-05/2019 dated on 30 Jan 2019. However, there is no compulsion on PI's to select candidates for JRF in their projects from Category-II of DBT-BET.
8. As per Rule 236 (1) of GFR 2017, the accounts of all Grantee Institutions or Organisations shall be open to inspection by the sanctioning authority and audit, both by the Comptroller and Auditor General of India under the provision of CAG(DPC) Act 1971 and internal audit by the Principal Accounts Office of the Ministry or Department, whenever the Institution or Organisation is called upon to do so.
9. If the Research Project involves biological resources, the obligations under the Biological Diversity Act 2002 as applicable shall be complied with by the Project Investigator, the details of such obligations can be accessed at www.nbaindia.org
10. (I) The PIs/Implementing Agencies shall strictly adhere to the GoI instructions issued vide OM No.F.4.1.2021-PPD dated 30.6.2021 in the matter of issue of Global tender Enquiry with special reference to instructions contained under para 4 of the said OM for procurement of equipments, spares and consumables for research purposes and shall not issue Global Tenders Enquiries before seeking the approval of the competent authority.
- (II) After incurring the expenditure on import of such items and at the time of submission of UCs to the department next year, the PIs will also furnish the copy of the approval sought from the competent authority for issue of the GTE for such items of import. The release of next installment of grant will be subject to the fulfillment of the above condition.
11. If any biological data as specified in the guidelines are being generated in the project, then PI should submit the data generated in the project to Indian Biological Data Centre – The National Repository being implemented at Regional Centre for Biotechnology, Faridabad in compliance with the Biotech-PRIDE Guidelines 2021.
12. This issues under the power delegated to this Department and with the concurrence of IFD vide their SAN No.102/IFD/SAN/3611/2021-2022 dated March 25, 2022.
13. This sanction order has been noted at serial no. 48-49 in the Register of Grants.

Vaishali

(Dr. Vaishali Panjabi)
Scientist 'E'

डॉ. वैशाली पंजाबी / Dr. Vaishali Panjabi
विज्ञानिक 'ई' / Scientist 'E'
बायोटेक्नोलॉजी विभाग / Dept. of Biotechnology
विभाग और सी. डी. ए. / C. D. E. & T. Div.
राज्य सरकार, ए. टी. आर. / Govt. of India, N. Delhi

To,
The Pay & Accounts Officer,
Department of Biotechnology,
New Delhi – 110003

Copy to:

1. The Principal Director of Audit (Scientific Departments), DACR Building, New Delhi – 110002
2. The Finance Officer, H.N.B. Garhwal University, Srinagar – 246174, Pauri Garhwal, Uttarakhand
3. The Director, DBT-Institute of Bioresources and Sustainable Development, Takyelpat Institutional Area, Imphal – 795001, Manipur
4. The Scientist-in-Charge, Zandu Foundation for Health Care, Village Ambach, Taluka-Pardi, Valsad- 396145, Gujarat.
5. Prof. M C Nautiyal, Director, High Altitude Plant Physiology Research Centre, H.N.B. Garhwal (Central) University, Srinagar – 246174, Pauri Garhwal, Uttarakhand
6. Dr. H Sunitabala Devi, Scientist E, DBT-Institute of Bioresources and Sustainable Development, Takyelpat Institutional Area, Imphal – 795001, Manipur
7. Dr. Jitendra Kumar Shukla, Scientist E, DBT-Institute of Bioresources and Sustainable Development, 6th Mile, Upper Shillong – 793009, Meghalaya
8. Dr. Ramesh Chandra Uniyal, Member Secretary, Zandu Foundation for Health Care, Village Ambach, Taluka - Pardi, Vapi, District Valsad – 396145, Gujarat
9. Dr. Vijaykant Purohit, Senior Scientific Officer, High Altitude Plant Physiology Research Centre, H.N.B. Garhwal (Central) University, Srinagar – 246174, Pauri Garhwal, Uttarakhand
10. Dr. Vinod Kumar Bisht, Scientist-in-Charge, Zandu Foundation for Health Care, Village Ambach, Taluka - Pardi, Vapi, District Valsad – 396145, Gujarat
11. Dr. Babita Paatni, Assistant Professor, High Altitude Plant Physiology Research Centre, H.N.B. Garhwal (Central) University, Srinagar – 246174, Pauri Garhwal, Uttarakhand
12. Cash Section, DBT (2 copies).
13. Sanction Folder.
14. File Copy.

Vaishali

(Dr. Vaishali Panjabi)

Scientist 'E'

डॉ. वैशाली पंजाबी / Dr. VAISHALI PANJABI
वैज्ञानिक 'ई' / Scientist 'E'
बायोटेक्नोलॉजी विभाग / Dept. of Biotechnology
विज्ञान और प्रौद्योगिकी विभाग / Dept. of Science & Tech.
भारत सरकार, नई दिल्ली / Govt. of India, N. Delhi

Details of the Equipment sanctioned for the implementation of the project entitled "Production of quality planting material, cultivation and market linkages of four commercially important plants of Himalayan region (*Aconitum heterophyllum*, *Gaultheria fragrantissima*, *Nardostachys jatamansi* and *Swertia chirayita*)" under Himalayan Bioresource Mission:

S. No.	Name of Equipment	No.	Cost (₹)
HNB Garhwal University, Srinagar			
1.	Data Recording and Visual Photographic System	1	100000.00
2.	GPS Recorder	1	36000.00
Total			136000.00
DBT-Institute of Bioresources and Sustainable Development, Imphal			
1.	Camera and accessories	1	50000.00
2.	GPS recorder	1	18000.00
3.	Hot Air Oven	1	62000.00
4.	Herb Drier	1	150000.00
5.	Aromatic Oil Extraction Unit	1	300000.00
6.	Clevenger apparatus with heating mantle	1	50000.00
7.	Water Pump	1	11000.00
Total			641000.00

Vaishali

(Dr. Vaishali Panjabi)

Scientist 'E'

Dr. Vaishali Panjabi / Scientist 'E'
 National Institute of Technology
 Manipal, Manipal / Institute of Biotechnology
 P.O. Box No. 100 / W.A. Science & Tech.
 Sector 17, Gurgaon / Govt. of India, N. Delhi

Details of the manpower sanctioned for the implementation of the project entitled "Production of quality planting material, cultivation and market linkages of four commercially important plants of Himalayan region (*Aconitum heterophyllum*, *Gaultheria fragrantissima*, *Nardostachys jatamansi* and *Swertia chirayita*)" under Himalayan Bioresource Mission:

Head	No. of Position	Year I	Year II	Year III	Total (₹)
1. HNB Garhwal University, Srinagar					
Project Assistant (₹ 20,000/- fixed per month + 8% HRA)	2	518400	518400	518400	1555200
Senior Research Fellow (₹ 35,000/- fixed per month + 8% HRA)	1	453600	453600	453600	1360800
Total (₹)		972000	972000	972000	2916000
2. DBT-Institute of Bioresources and Sustainable Development, Imphal					
Project Associate (₹ 31,000/- fixed per month + 8% HRA)	1	401760	401760	401760	1205280
Field Worker (₹ 18,000/- fixed per month + 8% HRA)	1	233280	233280	233280	699840
Total (₹)		635040	635040	635040	1905120
3. Zandu Foundation for Health Care, Ambach, Gujarat					
Field Assistant (₹ 20,000/- fixed per month + 8% HRA)	1	259200	259200	259200	777600
Senior Research Fellow (₹ 35,000/- fixed per month + 8% HRA)	1	453600	453600	453600	1360800
Total (₹)		712800	712800	712800	2138400

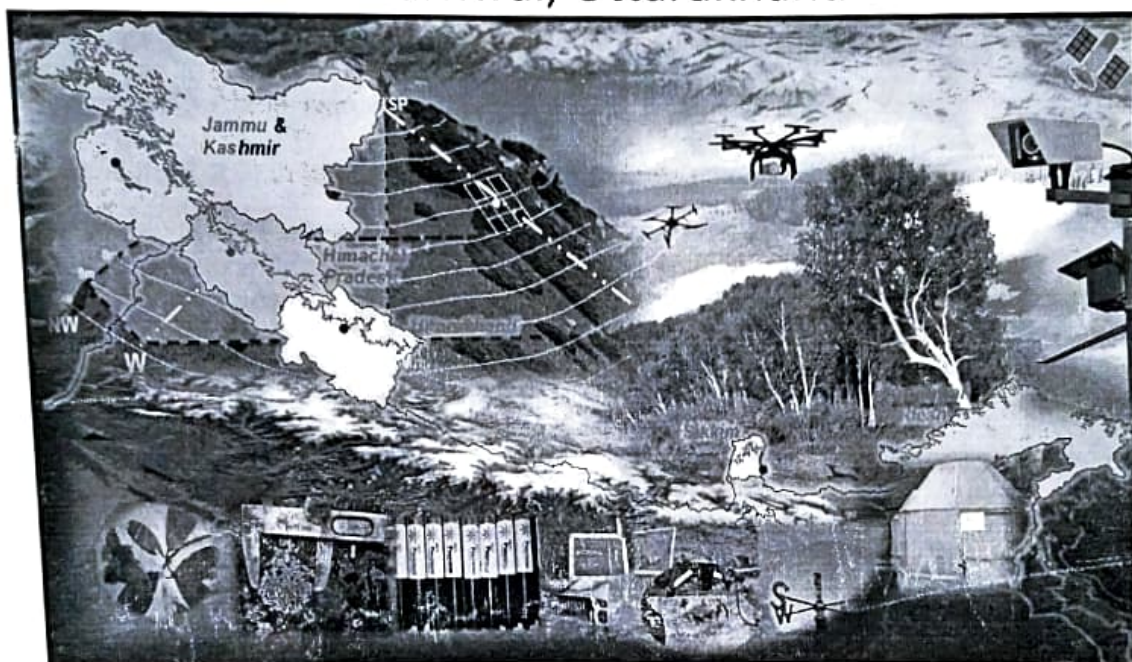
Emolument details of research personal(s) mentioned in table(s) of Annexure-II shall be applicable only if candidate(s) met educational qualification and eligibility criteria as per DST OM No. SR/S9/Z-05/2019 dated 10.07.2020.

Vaishali

(Dr. Vaishali Panjabi)
Scientist 'E'

डॉ. वैशाली पंजाबी / Dr. VAISHALI PANJABI
संशोधक 'E' / Scientist 'E'
जैव प्रौद्योगिकी संस्थान / Dept. of Biotechnol-
जि विभाग, केंद्र, नई दिल्ली / IISc Science & T
भारत सरकार, नई दिल्ली / Govt. of India, N.

Characterizing Patterns and Processes of Alpine Ecosystem in Indian Himalaya with Special Emphasis to Garhwal, Uttarakhand



Work Plan 2019-22

under

Studies on Harnessing REmote Sensing for EnvironmenT and ClImate (SHRESTI) programme

AED/BPSG/EP SA

Space Applications Centre, ISRO, Ahmedabad

&

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

February, 2019

HAPPRC:

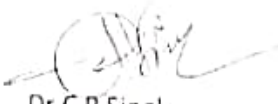
Budget (in lakhs)

S. No.	Head	2022-23
1	Services (Revised Fellowship of 1 SRF & 1 Research Associate) SRF @35,000 pm + 10%HRA RA @47,000 pm + 10%HRA	10.82
	Wages for field / lab assistant (fixed Rs. 10000/- p.m.)	1.20
2	Travel (field survey, meetings, training, logistic)	1.00
3	Equipments (accessories for Photosynthesis system, CO ₂ cylinders, Phenocam & Soil Temperature logger maintenance)	1.00*
4	Material /contingency / field kit / laboratory charges	1.00
5	Overhead / Institutional charges (15%) as per earlier sanctioned budget	1.19
6	Total	16.21

*Budget for Equipments: The fund is required in equipment section of budget for refilling of CO₂ cylinders (for OTC experiment) and maintenance of soil temperature data loggers (battery replacement). Other than these, some funds are also required to rectify problems in other minor equipments and attachments of OTC structure.

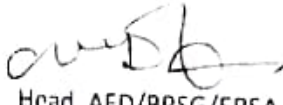
Focal points:

SAC, Ahmedabad:

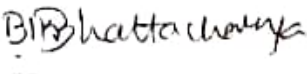

Dr C P Singh

HAPPRC, Srinagar (Garhwal):

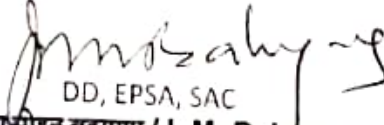

Dr M C Nautiyal


Head, AED/BPSG/EPSA
मेहुल पंड्या

डॉ. मेहुल आर. पंड्या
Dr. Mehul R. Pandya
प्रधान, एईडी, बीपीएसजी / ईपीएसए
Head, AED, BPSG/EPSA


GD, BPSG/EPSA

डॉ. बी. के. भट्टाचार्य / Dr. B. K. Bhattacharya
समूह निदेशक / Group Director
बीपीएसजी - एसा / BPSG - EPSA


DD, EPSA, SAC
ईशवीहन बहुगुणा / I. M. Bahuguna
उप निदेशक / Dy. Director
ईपीएसए / EPSA

Revised Budget: (Rs. in Lakh)

Overall budget estimate for extended period (2022-2023) = Rs. 16.21 Lakh

HAPPRC:

Budget (in lakhs)

S. No.	Head	2022-23
1	Services (Revised Fellowship of 1 SRF & 1 Research Associate) SRF @35,000 pm + 10%HRA RA @47,000 pm + 10%HRA	10.82
	Wages for field / lab assistant (fixed Rs. 10000/- p.m.)	1.20
2	Travel (field survey, meetings, training, logistic)	1.00
3	Equipments (accessories for Photosynthesis system, CO ₂ cylinders, Phenocam & Soil Temperature logger maintenance)	1.00*
4	Material /contingency / field kit / laboratory charges	1.00
5	Overhead/ Institutional charges (15%) as per earlier sanctioned budget	1.19
6	Total	16.21

*Budget for Equipments: The fund is required in equipment section of budget for refilling of CO₂ cylinders (for OTC experiment) and maintenance of soil temperature data loggers (battery replacement). Other than these, some funds are also required to rectify problems in other minor equipments and attachments of OTC structure.

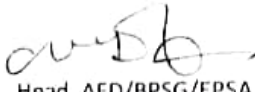
Focal points:

SAC, Ahmedabad:


Dr C P Singh

HAPPRC, Srinagar (Garhwal):

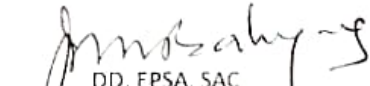
Dr M C Nautiyal


Head, AED/BPSG/EP
महेल पंड्या

डॉ. मेहुल आर. पंड्या
Dr. Mehul R. Pandya
प्रधान, एईडी, बीपीएसजी / ग्रुप डायरेक्टर
Head, AED, BPSG/EP
SA


GD, BPSG/EP
SA

डॉ. बी. के. भट्टाचार्य / Dr. B. K. Bhattacharya
ग्रुप डायरेक्टर / Group Director
बीपीएसजी - एएस / BPSG - EP
SA


DD, EP
SA, SAC
इशमीहन बहगुणा / I. M. Bahuguna
उप निदेशक / Dy. Director
ईपीएसए / EP
SA



NATIONAL MISSION ON HIMALAYAN STUDIES (NMHS)
G. B. Pant Institute of Himalayan Environment and Development
Kosi-Katarmal, Almora - 263 643, Uttarakhand, India

Ref no: NMHS/MG-2016/004/8500 - 7

Date: 31-03-2016

Speed post/ Copy by e mail

To,

Dr. P. Prasad
High Altitude Plant Physiology Research Centre (HAPPRC)
Hemwati Nandan Bahuguna Garhwal University
Srinagar (Garhwal)

Subject: Approval of the project entitled "**Establishment of Gene Pool, Propagation and Ex-Situ Conservation of selected sensitive high altitude Medicinal and Aromatic plant species and Nature Interpretation Site (NIS) for Creating Awareness among the various stakeholders**"

Sir,

I am directed to convey the approval of the Competent Authority for the above-mentioned project at a total cost of **Rs.2,07,96,000/- (Rupees Two crore seven lakh ninety six thousand only)** from NMHS for a period of three years, as per the break-up given below:-

Head	1 st year (in Rs.)	2 nd year (in Rs.)	3 rd year (in Rs.)	Total
A. Recurring				
(i) Salary: 01 Research Scientist/ RA-III Rs.40,000/- per month + HRA @ 10% for three years, 02 JRF @ 25000/- per month + HRA @ 10% for first two years and Rs.28,000/- per month + HRA @ 10% for third year, 04 Field/ Extension Assistant, Lab/ Office Assistant/ Technician Rs-12,000/- per month + HRA @ 10% for three years	1821600.00	1821600.00	1900800.00	5544000.00
(ii) Travel (Domestic)	200000.00	200000.00	200000.00	600000.00
(iii) Expendables/ Consumables: (Chemicals, Markers glassware's, jackets, shoes, trousers, plastic sheets)	400000.00	400000.00	200000.00	1000000.00

3/31/16
P.P.
1/2/16

(iv) Contingency: (Stationery items, Xerox, Printing, publications)	200000.00	100000.00	100000.00	400000.00
(v)Activities & other project cost : (Planting materials Seedling Trays, Polybag Watering Pipes, Land/path development and fencing, Maintenance of green house, Raising of Planting materials from existing mother stock and mainteance of plannts, Exteinsion of project outcome,communication/m eetings/trainings/school/coll ege students visit	3284000.00	984000.00	984000.00	5252000.00
(vi)Institutionl Charges	-	-	500000.00	500000.00
<u>B. Non Recurring</u>				
Equipments: Polyhouse, Shadehouse and water facility, Weather Monitoring System, Laminar Air Flow System, Seed germinator, Oil Extraction Unit, Open top chamber, Temporary Hutment, Solar photovoltaic power generating system KW-01	7500000.00	-	-	7500000.00
Total	13405600.00	3505600.00	3884800.00	20796000.00
Grantee Contribution should be equivalent to 10% of project cost				

2. The approval of the project is subject to incorporation of following points:

- A certificate should be given with regard to sustainability of developed project sites in the high altitude.
- The species selected for intervention need to be carefully checked to avoid the repetition/duplication.
- Quantifiable deliverables mentioned below should be addressed.
- The roles and responsibilities of each implementing partners should be delineated properly with their budget. The budget allocations to partners should be done in accordance with the MOEF&CC guidelines (Max. 30% for salary, 30% for equipment and 5% contingency). The same should be communicated to NMHS-PMU, before start of project.
- Every 6 months, project reporting will take place, followed by monitoring and evaluation by the STAG. Monitoring indicators for the project should be able to quantify the difference made on ground.

3. The project objectives, deliverables and monitoring indicators will be as below.

Project Objectives	Quantifiable Deliverables	Monitoring indicators
<ol style="list-style-type: none"> 1. Ensure the <i>ex-situ</i> maintenance of various listed sensitive plant species (rare, endangered, threatened and endemic ones) of medicinal and aromatic importance in 2.5 ha of land and establishing site for nature interpretation, long run scientific studies and for use of various stakeholders. 2. Development of the site (Alpine Research Station, Tungnath) as educational tourism spot. 3. Development of the large scale planting materials (approximate 15 lakh seedlings) to meet out the growing demand of planting materials by different stakeholders for the purpose of new investigation and cultivation/plantation. 4. Observation on baseline climatic information (i.e. minimum and maximum temperature, humidity, rainfall, snow fall etc) of the project site and observation on growth and yield of selected species under simulated conditions (OTCs). 5. Transfer of developed information, technology and planting materials (elite one) to farmer/CBOs for livelihood opportunity through training, cultivation (approximate 10 h lands) and marketing as well as ex situ conservation. 	<ol style="list-style-type: none"> 1. 15 lakh seedlings developed and Propagation and multiplication (minimum 15 lakh seedlings/propagules of selected species). 2. Conversion of 10ha land into cultivation of selected high value species 3. Development of one new site for nature lover and as educational tourism spot. 4. Generation of base line data on climate and increased CO₂ concentration will help in identifying the assumption of climate change and its effect on plant growth. 5. Communication mechanism with community through awareness campaigns and trainings. 6. Provide planting materials to different stakeholders particularly farmers and community organizations for plantation/cultivation. 	<p>Monitoring in comparison to the baseline information to be provided by proponent</p> <ul style="list-style-type: none"> • No of sapling developed and propagated (No of saplings/species) • Area of high altitude land cultivated under project (Ha) • Database on climate and CO₂ (sheet/Nos) • Framers/ Community groups trained (Nos) • Publications of knowledge products (No.)

4. Sanction for the Competent Authority is also hereby conveyed for the release of **Rs. 1,34,05,600/- (Rupees one crore thirty four lakh five thousand six hundred only)** towards Grants-in-Aid to the Registrar, HNB, Garhwal University, Srinagar, Uttarakhand for the above NMHS project for the financial year 2015-16 (Plan), being 1st installment of grants as per break-up mentioned below.

Head	Amount
A. Recurring	
(i) Salary	1821600.00
(ii) Travel	200000.00

(iii) Expendables/ Consumables	400000.00
(iv) Contingency	200000.00
(v) Activities & other project cost	3284000.00
(vi) Institutional Charges	Nil
B. Non Recurring	
Equipment (as per actual cost basis)	7500000.00
Total	13405600.00

5. The Grants-in-Aid will be regulated in accordance with the provisions contained in the guidelines of the Ministry of Environment, Forest & Climate Change, New Delhi. The Grants-in-aid is also subject to chapter 9 of the General Financial Rules, 2005, as amended from time to time, read with Government of India's decisions incorporated there under and any other guidelines which may be issued in this regard, and in particular to the following conditions:-
- I. Separate ledger is maintained for the purchasing of equipments as per the provision of GFRs.
 - II. Engagement of staff as per the provision of GFRs and MoEF&CC guidelines given in **Appendix A**. The emoluments for the retired persons hired for the project should not exceed **Rs. 30,000/- consolidated (fixed) per month** as stipulated in the MoEF&CC guidelines.
 - III. Expenditure on items other than salary is incurred keeping in view the austerity measures issued on the subject and GFR is followed by the Institute as well as regional office and other agencies receiving funds.
 - IV. All account maintained by the concerned Organization will be subject to audit by the C&AG or internal auditors. On termination of the project, statements of accounts duly certified by the Competent Authority of the Organization shall be submitted and the unspent balance, if any, in the funds sanctioned will be refunded to the G. B. Pant Institute Himalayan Environment and Development, Kosi, Katarmal, Almora, Uttarakhand.
 - V. No cash payment is made exceeding Rs. 20,000/- to anybody for any expenditure. The taxes and dues are recovered and deposited in Government Account as per law.
 - VI. 2nd installment will be considered only after the expenditure of 100% of the first installment release and on receipts of UC as per GFR format along with the Statement of Expenditure (item-wise) and signed by the Competent Authority. The UC shall also be verified and signed by Chartered Accountant/Finance Officer along with cash flow statement.

- VII. The UC shall be submitted along with up to date physical progress report (annual/ half yearly) indicating progress made against each objective and quantifiable deliverables, both online and offline, certified by the authorized person, along with data, photographs/satellite pictures, etc.
- VIII. Assets acquired wholly or substantially out of Government grants shall not be disposed of without obtaining the prior approval of the sanctioning authority of Grants-in-aid and separate sheet should be enclosed with details of Assets with cost.
- IX. The accounts of concerned Organization shall be audited by C&AG or by any person/agency authorized by it on its behalf in accordance with the provisions laid down in section 14 of the C&AG (DPC) Act, 1971 as amended from time to time.
- X. The internal audit party of the Principal Accounts Office of the Ministry or Department may also inspect the accounts whenever it is called upon to do so.
- XI. Grants-in-aid will be spent exclusively in pursuance of the objectives for the project entitled "***Establishment of Gene Pool, Propagation and Ex- Situ Conservation of selected sensitive high altitude Medicinal and Aromatic plant species and Nature Interpretation Site (NIS) for Creating Awareness among the various stakeholders***" as given above and for the purpose it is being sanctioned.
- XII. Grants-in-aid is subject to the Economy Instruction issued from time to time by the Ministry of Finance or by the Competent Authority.
- XIII. The sanction of the grant is subject to the terms and conditions given in **Annexure-I** and signing of bond with NMHS-PMU, GBPIHED in the prescribed format (**Appendix B**). Compliance of all conditions mentioned in the bond and **Annexure I** must be ensured.
- XIV. On the basis of the terms and conditions given in **Annexure-I**, action is being taken up for the drawl of the sanctioned amount of the first installment of the first year's grant during the financial year 2015-16.
- XV. The sanction of the grant is subject to the whole details with nature of work of this project under "NMHS" clearly mentioned in the website of the Grantee organisation.
- XVI. A separate bank account is to be opened for NMHS Project as per the provision of Direct Beneficiary Account (DBA) as laid out by the Govt. of India and also facilitate the audit of accounts. The interest earned out of the NMHS project funds should be reported clearly in the utilization certificate.
- XVII. The Project commissioned under "National Mission on Himalayan Studies" would be for the **tenure of three years w.e.f. 1.4.2016**. If the project proponent/lead agency is able to produce the desired results after mid-term evaluation/ assessment in terms of measurable and quantifiable deliverables on the ground, the extension can be given for maximum up to 2 years with or without additional grant.

XVIII. The amount of **Rs. 1,34,05,600/- (Rupees- one crore thirty four lakh five thousand six hundred only)** will be drawn by the Drawing and Disbursing officer, G.B. Pant Institute of Himalayan Environment and Development, Kosi-Katarmal, Almora (U.K) and disbursed to Registrar, HNB, Garhwal University, Srinagar, Uttarakhand, through bank by ECS. The Grantee organization will open a new account in nationalized bank and send the following details to NMHS-PMU, GBPIHED for release.

Bank name -
Account no- -
IFSC Code -

6. The amount will be debited in the Major Head 3435.03.104.11.04.31 Grant-in-Aid-General- NMHS.

7. **Please send your acceptance for the terms and conditions of this sanction letter so that above grant could be transferred to the Head of Implementing Agency through Bank transfer on designated account.**

8. Please note that following documents must be submitted to NMHS- PMU, GBPIHED before the start of the project activities.

1. **Quotations for the equipment (S) to be procured.**
2. **Roles and responsibilities of the partners with the budget allocated to them.**
3. **Fair copy of Bond duly signed by authorized person of the grantee organization.**

Encl.: **Annexure-I**
Appendix- A & B

Yours Sincerely,



(Er. Kireet Kumar)

Scientist "G" and Nodal Officer NMHS-PMU

Copy to:-

1. The Registrar, HNB Garhwal Central University, Srinagar-Garhwal, Uttarakhand.
2. Sh. A. K. Das, Deputy Secretary (CS-I), Ministry of Environment, Forest & Climate Change, Govt. of India, Indira Paryavaran Bhawan, 2nd Floor, Vayu Wing, Jorbagh Road, Aliganj, New Delhi-110 003
3. Finance Officer, G.B. Institute of Himalayan Environment and Development, Kosi-Katarmal, Almora, Uttarakhand.
- ✓ 4. Principal Director of Audit, Scientific Department, AGCR Building, IP Estate, New Delhi
5. Steno to Director, GBPIHED, Kosi-Katarmal, Almora (Uttarakhand)
6. Guard File -NMHS

Terms and condition for NMHS Project Grant

- The approved grant should be exclusively spent on the project for which it has been sanctioned within the stipulated time period. In the project wholly sponsored under the NMHS, the grantee organization is not permitted to seek or utilize funds from any other organization (Government, semi-government, autonomous or private) for the same research project. However, industry, public and private sector organizations can co-sponsor a project on mutually agreeable terms, which can be formalized through an agreed MoU with the NMHS-PMU with proper approval of Competent Authority (CA), NMHS.
- Any unspent amount out of the grant given by the NMHS for a particular project would be required to be surrendered to the NMHS-PMU, GBPIHED and the carry forward of the unutilized amount from one to the next for utilization for the same project would require the specific approval of the CA, NMHS.
- A Project will normally be sanctioned for a maximum period of **three years**. The grant will be payable in maximum two installments each year including the first year on the submission of Utilization Certificates, Expenditure Statement and Progress Reports. The cost of permanent equipment may be released as a one-time allocation. In the case of collaborative research carried out by a network of institutions, the Coordinating Institution would be responsible for the submission of the Utilization Certificate and Expenditure Statement and Progress Reports covering all the partners in prescribed format to be provided on NMHS website (nmhs.org). The authorities of the institution(s) where research activities are to be carried out would receive the grants and be responsible for their disbursement, administration and maintenance of accounts. The Principal Investigator will incur expenditure within the ambit of the sanctioned amounts under the heads, and in normal circumstances, inter alia, adjustment among budget heads is not permissible. In case of an unavoidable situation, the PI must seek prior approval of the CA, NMHS through the Head of implementing agency.

An extension of up to a maximum period of two years may be granted to Research Projects in deserving cases. Any request for an extension of the Project should be sent by the PI to the NMHS-PMU at least three months before the closing date. The PI should not make any expenditure after the closing date without specific approval of the CA, NMHS or till the extension is conveyed to him. The extension may or may not involve a change in overall scope of the Project and, if granted, adequate

additional funds would be sanctioned by the NMHS towards the prescribed extension period. In the case of an extension of tenure of Research Projects, the NMHS- PMU through STAG would provide complete justification for the same.

- The implementing agency and the concerned PI have the responsibility for completion of the Project and to achieve the expected outcomes and deliverables of the NMHS Project as specified in the sanction letter and the project proposal.
- In case, the PI leaves the institute on account of superannuation/unforeseen circumstances, the responsibility for the completion of the Project may be entrusted, at no extra cost, to another equally qualified investigator by the Head of the Implementing agency/ Institution with the prior approval of the CA, NMHS. In case the PI is shifting to another institution due to a new appointment/transfer/long-term deputation, the project could be transferred to that agency with mutual consent of both the agencies/institutions and with the prior approval of the CA, NMHS.
- Project funds will be granted to credible Institutions/Agencies and not directly to the Project proponent (PI), i.e. grants will be made available to the Institutions/Agencies with whom the PI is affiliated.
- The Grantee agency will make a contribution to the project funds in cash or kind to the level mentioned in the sanction letter.
- Those Implementing Agencies/Institutions/Individual PIs which/who do not render accounts/submit physical progress reports or against the released grants will be blacklisted by the PMU-NMHS and MoEF&CC after ensuring an adequate dialogue, both in speech and writing, by the NMHS, GBPIHED with the authorities of the concerned defaulting Agency/Institution.
- For permanent and semi-permanent assets acquired solely or mainly out of the grant, including books and furniture, an audited record in the form of a Register in the prescribed pro forma shall be maintained by the grantee. The term "Assets" here means (a) immovable property and (b) movable property of a capital nature, where the value exceeds Rs 50,000/-. The grant should not be utilized for construction of any buildings or purchase of vehicles. Full facilities by way of accommodation and infrastructure required for the project will be provided by the grantee organization. Grant for construction of buildings cannot be considered

under the Scheme.

- The grantee organization will furnish three hard copies and one softcopy of yearly progress reports of the work done on the project as per pro-forma given NMHS website (nmhs.org) along with supporting data and maps for dissemination through Database Management Centre for Himalayan Studies (DMCHS) as per data sharing policy of GOI. The implementing agency/PI is required to make provide all details and a presentation on the progress of work carried out in the project to the STAG at least once, in a given financial year.
- **The STAG will undertake Monitoring, learning and Evaluation (MLE) missions at regular interval.** Each project will be assessed at least twice during its life, and the Grantees are expected to cooperate with the MLE Team in providing access to the project sites and other information as requested. In addition, the PMU will arrange a mid-term evaluation of project implementation. The STAG can also depute empanelled Expert Peer Reviewers/scientists/specialists/finance persons of the Ministry to visit the grantee/research organization periodically for reviewing the progress of the work and for suggesting such measures as to ensure early realization of the objectives of the project. Full facilities are to be provided by the grantee/research organization to the visiting scientists/ specialists.
- At the conclusion of the project, the Government of India will be free to sell or otherwise dispose of assets, which are the property of the Government of India. The grantee/research organization shall render to the Government of India necessary facilities for arranging the sale of these assets. The Government of India has the discretion to gift the assets to the grantee/research organization, if the Government of India considers it appropriate.
- All equipment and stores purchased out of the grant would remain with the agency/institution concerned unless otherwise specified in the sanction. However, the grantee/research organization will submit the list of assets acquired under the project as per the prescribed pro-forma (available on nmhs.org). All the assets including equipment and prototypes acquired with the grant will be the property of the Government of India and without the prior sanction of the PMU-NMHS and MoEF&CC should not be disposed of or encumbered or utilized for any purposes other than those for which the grant has been sanctioned.
- The PI shall submit three hard copies and one soft copy of progress reports along with all supporting data/ digital maps for uploading on to the NMHS

website of the progress report of the project at the end of each year to the NMHS-PMU for an Annual Review of the project.

- The grantee organization is required to provide a list of assets referred to in above to the Ministry/host institution at the end of each financial year and at the time of seeking further installments of the grant.
- The grantee organization would furnish to the NMHS-PMU, GBPIHED a Statement of Expenditure and Utilization Certificate in prescribed formats within sixty days from the close of each financial year, i.e. by 31st May, for the grant released during the previous financial year. An audited statement of account pertaining to the grant may also be furnished within nine months of the close of the financial year.
- The following guidelines may be adopted while accounting the expenditure on HRA and Medical Allowance:
 - a) The staff engaged in the research project are not eligible for HRA if they have been provided quarter/hostel facilities.
 - b) The staff engaged in the project are not eligible for HRA if the organization's rules do not provide HRA for its own staff.
 - c) The research staff who are not provided hostel facilities are eligible for HRA as applicable to scientific staff/teaching staff as per the instructions/orders issued by the Ministry/GOI from time to time.
 - d) The supporting staff such as technical assistant, laboratory assistant, etc. are eligible for HRA as per the rates applicable to non-teaching/scientific staff of the organization concerned, if they are not provided residential facilities.
 - e) For the purpose of HRA, fellowship/lump sum amount for Research Associate, Research Fellows/ Project Fellows, Field/Technical Assistant, Laboratory Assistant, and Field Attendant will be taken as the basic pay.
 - f) Maximum HRA payable will be limited to the 6th Pay Commission's recommendations, as accepted by the Government of India.
- The Comptroller and Auditor General of India at his discretion shall have the right of access to the books and accounts of the grantee/research organization for the grants received from the Government of India. All accounts in respect of the project will also be subject to audit by the agencies auditors as mentioned in sanction letter.
- On termination of the project, duly audited accounts shall be submitted

and the unspent balance, if any, shall be refunded to the NMHS-PMU, GBPIHED within six calendar months of completion of the project. Full and final payment will be made after the acceptance of all the financial certificates, audit reports and final technical reports of the project. Ten (10) per cent of the sanctioned amount will be released only on completion of all closure formalities.

- The grantee organization should maintain separate audited accounts for the project with a separate bank account. The interest earned should be reported to the NMHS-PMU. The interest thus accrued will be treated as a credit to the grantee/research organization to be adjusted towards further installments of the grant.
- Sale proceeds, if any, as a result of the development of the project arising directly from the funds granted by the NMHS shall be remitted to the Government of India through NMHS-PMU. The Government of India may, at its discretion, allow a portion of such receipts to be retained by the grantee organization.
- The know-how generated from the project will be the property of the Government of India and receipts by way of the sale of know-how, royalty, etc. shall accrue to the Government of India. The Government of India may, at its discretion, allow a portion or whole of such receipts to be retained by the grantee organization. The sale of know-how, collection and settling the rate of royalty, etc. would be decided by the MoEF&CC in consultation with the National Research Development Corporation (a public sector undertaking) or any other government body which has the responsibility for licensing the transfer of know-how from research and development projects.

IPR Issues

- The NMHS and MoEF&CC shall have sole right to patent the research fully funded by the Ministry. In case the MoEF&CC has not funded the project fully, an undertaking should be taken from the project proponent that no IPR/Royalty would be charged in future public projects supported by the MoEF&CC.
- Investigators who wish to publish papers based on the research work done under the Project or to present such papers at conferences need to duly inform the NMHS-PMU and should acknowledge the financial support received from the NMHS. Three hard copies and one soft copy of the publications/papers shall be sent to the NMHS-PMU and uploading on to the website.

- The grantee organization is not permitted to entrust the implementation of the project work, for which grant is being sanctioned, to any other organization and diversion of the grant, or any portion of it, as assistance to any other organization except its implementing partners as mentioned in the proposal. In case the grantee organization is not in a position to execute or complete the work, it is required to refund forthwith to the Government of India in the NMHS-PMU, the entire amount of grant received by it. In exceptional cases, this condition may be relaxed by the Government.
 - The staff, if any, sanctioned for the project should be recruited as soon as possible and equipment, if any sanctioned, should be ordered within ninety days.
 - The staff that may be employed for the project by the grantee/research organization are not to be treated as employees of the NMHS, Government of India or GBPIHED and the deployment of such staff at the time of completion or termination of the project will not be the concern/responsibility of the NMHS-PMU, GBPIHED or MoEF&CC Government of India. The staff appointed for the research project will be subject to the administrative control and service rules as applicable at the grantee organization where they are appointed.
 - The MoEF&CC guidelines may be adopted while appointing the project staff (co-terminus with the project) as given in **Appendix-A**. The selection and appointment of Support Staff for the project may be made by the Principal/Lead Investigator following the procedures of the concerned grantee organization for periods not exceeding the sanctioned duration of the project. The qualification and experience should be as per the grantee organization norms.
- A Committee will be constituted for the selection of Junior Research Fellows JRF/Senior Research Fellows SRF in Ministry's project. This Committee would be approved by the Head of the grantee organization where the Project is being operated. This committee would have the PI of the project as a member and there would be three expert members. The minimum eligibility criteria for applicants would be the same as that for the CSIR-UGC examination. Generally, preference would be given to the candidates who have qualified the NET examination. In case the Selection Committee selects a candidate who has not qualified the NET examination, it has to provide adequate justification for the same in the minutes of the meeting. Any non-NET candidate selected for the Ministry's projects would be designated as Junior/Senior Project Fellow

and would be given a fellowship as mentioned under the section on pays and allowances of Research Staff. The Junior/Senior Project Fellow would be allowed to pursue higher University Degrees. Details of the emoluments for research fellows/associates is given in **Appendix A**.

- The CA, NMHS reserves the right to terminate the grant at any stage if convinced that the grant has not been properly utilized or appropriate progress is not being made. Upon such termination, full audited accounts will have to be submitted and a refund of all unspent balances will have to be made promptly to the NMHS-PMU.
- The project will become operative with effect from the date mentioned on sanction letter. The date of receipt of the grant will be intimated by the grantee/research organization to the NMHS-PMU.
- If the investigator leaves the Institution/Agency where the project is based, he should submit 10 copies of complete and detailed report of the work done with all supporting data and maps on the project till the date of his release for dissemination through Database Management Centre for Himalayan Studies (DMCHS) as per data sharing policy of GOI. Prior to leaving, the Investigator and grantee organization shall inform the NMHS-PMU and get an approval to hand over the project to another Investigator from grantee organization who shall be responsible for the completion of the project and submission of the final report.
- The duration of the project includes the period for the submission of the Final Technical Report (FTR). No additional time will be provided by the NMHS-PMU for the submission of FTR. The submission of the FTR, complete in all respects, within the project duration is essential. The PI will submit Final Technical Report to the NMHS-PMU in the prescribed pro forma given in NMHS website. The following measures are proposed in case the grantee organization fails to submit the FTR:
 - (i) A minimum of 10% of the remaining project outlay would be released only after the submission of soft copy & hard copy of the FTR, complete in all respects with all supporting data and maps.
 - (ii) The PI/ grantee organization and the institution which do not submit the FTR even six months after the end of the scheduled time period would not be funded by the Ministry/NMHS-PMU, GBPIHED in the future.
 - (iii) The Head of the grantee organization (Vice-Chancellor/ Registrar/ Director) where the PI is located should be intimated regarding the

- non-submission of the FTR and the decision of Government to suspend future funding to the grantee organization/ Agency.
- (iv) A list of such PIs and grantee organization would be circulated among all government agencies that fund studies.
- The following procedure will be adopted for acceptance of the FTR of NMHS projects:
 - (i) The Principal Investigator/implementing agency will submit draft FTR to the PMU-NMHS, GBPIHED which will be sent to the empanelled peer reviewers and also make a presentation before the STAG.
 - (ii) Based on the recommendation of the NMHS-PMU empanelled experts and STAG, the FTR will be processed in the NMHS-PMU for final acceptance by the Steering Committee, NMHS for the final settlement of accounts and closure of the project.
 - The grantee/research organization will furnish 10 hard copies and a softcopy of a detailed report to the NMHS-PMU, GBPIHED with a copy to DS (CS-1) MoEF&CC on the outcome of the project along with supporting data and maps, as per the prescribed pro-forma. The grantee organization/PI will take all necessary steps to disseminate the outputs and outcomes of the project through print and electronic media and submit all such material to NMHS-PMU for dissemination through Database Management Centre for Himalayan Studies (DMCHS) as per data sharing policy of GOI.
 - In case of a violation of any of these conditions of the grant or in case of closure or dissolution of the organization, the government may take possession of all the assets of the organization acquired out of Government grants and use them in any manner deemed appropriate or to recover from the organization the value of such assets at its discretion. In the event, after due enquiry, if the CA, NMHS concludes that the progress of a research project is highly unsatisfactory and cannot be improved, it may terminate the project. Upon such termination, full audited accounts and refund of all unspent balances will have to be made promptly to the NMHS-PMU, GBPIHED under intimation to DS (CS-1) to MoEF&CC.
 - All grantee organizations seeking financial assistance for NMHS projects shall execute a **Bond** in the prescribed format (**Appendix B**).
 - All correspondence is to be addressed to the Nodal person, NMHS-PMU, GBPIHED (nmhspm2016@gmail.com).

F. No. 2/6/2013-RE
Government of India
Ministry of Environment, Forest & Climate Change
(RE - Division)

Indira Paryavaran Bhavan,
Jor Bagh Road, New Delhi - 110003
2nd September, 2015

OFFICE MEMORANDUM

Subject: Revised Guidelines on emoluments and other conditions of service for research personnel working in R&D programmes of the Ministry of Environment, Forest & Climate Change -reg.

The undersigned is directed to invite attention to the O.M.No.2-6/2013-RE dated 11.06.2013 issued by the Ministry of Environment, Forest & Climate Change, Government of India, on the abovesubject. The matter has been further considered by the Government and the following revised guidelines on the above subject have been approved. These revised guidelines are applicable to the research personnel working on R&D programmes funded by the Ministry of Environment, Forest & Climate Change.

A. Emoluments:

- i. Junior Research Fellow (JRF)/Senior Research Fellow(SRF)/Junior Project Fellow/Senior Project Fellow:

S. No.	Designation & Qualification	Existing Emoluments per month for first two years	Revised Emoluments per month
1.	Junior Research Fellow (JRF) ➤ Post Graduate(PG) Degree in Basic Sciences with NET qualification or Graduate Degree in Professional Course with NET qualification or Post Graduate Degree in Professional Course	₹16000/-	₹25000/-
2.	Senior Research Fellow (SRF) ➤ Qualification prescribed for JRF with two years of research experience	₹18000/-	₹28000/-
3.	Junior Project Fellow (JPF) *	₹10000/-	₹16000/-
4.	Senior Project Fellow (SPF) *	₹12000/-	₹18000/-

* This category of JPF/SPF is applicable only when NET qualified candidates are not available for the project sponsored by the Ministry. Further, this category would be operative till such time the subject area of Environmental Sciences is included in UGC-CSIR, JRF-NET examination or until further orders.

The host institution should review the performance of the Fellow after two years through an appropriate Review Committee constituted by the Head of the Institution. The fellowship (Senior Research Fellowship/Senior Project Fellowship) in the slab after 2 years of research experience may be provided after successful assessment by the Review Committee.

In programmes where there is a need to engage research personnel at a level higher than JRF/SRF and Junior/Senior Project Fellow and such need has been accepted by the Ministry, the remuneration for such personnel may be fixed as indicated below:

B. Research Associates (RA):

Remuneration of Research Associates may be fixed at a consolidated amount at one of the 3 pay levels given below depending upon the qualifications and experience. The Institution/Organization concerned may decide the level in which a particular associate should be placed based on the experience. The Essential Qualification (EQ) for RA is as follows:

Education Qualifications : Ph.D./M.D./M.S./M.D.S or equivalent degree or having three years of research, teaching and design and development experience after Mv.Sc/M.Pharm/M.E./M.Tech will be eligible for award as RA.

Sl. No.	Category	Existing Emoluments	Revised Emoluments
1.	Research Associate (RA -I)	₹22000/month	₹36000/month
2.	Research Associate (RA - II)	₹23000/month	₹38000/month
3.	Research Associate (RA-III)	₹24000/month	₹40000/month

The stipend of Research Fellow/Associate is exempt from the payment of Income Tax under 10 (16) of IT Act, 1961.

ii. **House Rent Allowance (HRA):** All Research Fellows may be provided hostel accommodation wherever available and those residing in accommodation provided by the Institute will not be eligible for drawing HRA. Wherever provision of hostel accommodation is not possible, HRA may be allowed to all the above categories viz., JRF, SRF, Junior/Senior Project Fellow and RA as per Central Government norms applicable in the city/location where they are working. The fellowship amount may be taken as basic for calculating the HRA.

iii. **Medical Benefits:** The Junior/Senior Research Fellows, Junior/Senior Project Fellows and Research Associates will be entitled for medical allowance as applicable in the implementing institution.

iv. **Leave and other entitlements benefits:** The Fellows are eligible only for casual leave while Research Associates are entitled to leave as per rules of the host institution. Participation of any of the research personnel viz. JRF/SRF/Junior/Senior Project Fellows/RA in any scientific event/workshops in India or abroad will be treated as "on duty". The travel entitlement for JRF/SRF/Junior/Senior Project Fellows/RA for participation in scientific events/workshops in India will continue to be the same as earlier i.e. 2nd AC by rail. Maternity leave as per Government of India instructions issued from time to time would be available to female candidates in all categories.

v. **Bonus and Leave Travel Concession:** JRFs, SRFs, Junior/Senior Project Fellows and Research Associates will not be entitled to these allowances.

vi. **Retirement Benefits:** JRFs, SRFs, Junior/Senior Project Fellows and Research Associates will not be entitled to these benefits.


vii. **Publication/Patent:** The results of JRF/SRF/Junior/Senior Project Fellows/RA's research work may be published in standard refereed journals at the discretion of the fellow or his/her Guide. It should be ensured by the fellow that the assistance provided by the funding agency of Government of India is acknowledged in all such publications.

viii. **Encouragement for pursuing higher degree:** Students selected as JRFs, SRFs, Junior/Senior Project Fellows may be encouraged to register for higher degrees and the tuition fees to undertake these studies may be reimbursed to the student from the contingency grant sanctioned under the project, if required.

ix. **Obligations of JRF/SRF/Junior/Senior Project Fellow/RA:**

- a) He/she shall be governed by the disciplinary regulations of the host Institute where he/she is working.

- b) The JRF/SRF/Junior/Senior Project Fellows/RA must send a detailed consolidated report of the research work done during the entire period of Fellowship on completion of the tenure/resignation of the Fellowship at the earliest.
6. **Date of Effect:** The revised emoluments under this order will be applicable **w.e.f. 01.10.2014** for all the categories i.e., JRF, SRF, JPF, SPF and Research Associates.
7. The guidelines/procedure for appointment of research personnel in research projects sponsored by the Ministry are given in "Guidelines for Support to Environmental Research - 2012".
8. All the Divisional Head of the Ministry of Environment, Forest & Climate Change are requested to ensure that the above guidelines are followed in regard to the remuneration and other, benefits to research personnel engaged in R&D projects funded by them. They are requested to circulate these orders to their attached and subordinate offices and also to the autonomous institutes funded by them.
9. This issues with the approval of the Competent Authority and with the concurrence of IFD vide their Diary Number 1677/Dir(IFD)/2015 dated 05.08.2015.

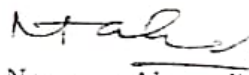

(Dr.Naseem Ahmad)
Director

To:

1. All Heads of Divisions of Ministry of Environment, Forest & Climate change for circulating to all Subordinate Offices/Autonomous Bodies/Field Offices/Attached Offices.
2. Director(Finance), MoEF&CC, New Delhi.

Copy to:

1. PPS to Secretary(EF&CC)
2. PPS to AS(SK)/(HKP)/ (MMK)
3. PPS to AS&FA
4. PS to Adviser(RW)/Guard File/Sanction Folder
5. ENVIS Cell for uploading on website of the Ministry.


(Dr.Naseem Ahmad)
Director

Appendix B

**Bond for Implementation of Project under
NATIONAL MISSION ON HIMALAYAN STUDIES (NMHS)
to be furnished by the Grantee Organisation**

KNOW ALL MEN BY THESE PRESENTS THAT we, signed for and on behalf of a Society/ agency registered under the _____ and having its office at _____ (herein after called the 'Obligors' which terms shall unless excluded by or, repugnant to the context be deemed to include its successors, permitted assigns and all persons entitled to and capable of disposing of the assets and properties of the obligors) are held and firmly bound to the Competent Authorities of NMHS through NMHS-PMU, G.B. Pant Institute of Himalayan Environment and Development, Kosi-Katarmal, Almora (herein after called the 'NMHS-PMU, GBPIHED', which term shall unless excluded or repugnant to the context be deemed to include his successors and assigns) in the sum of Rs _____ (Rupees _____ only) well and truly to be paid to the Government on demand and without a demur for which payment we firmly bind ourselves by these Presents,

1. SIGNED this _____ day of _____ in the year Two thousand sixteen.
2. WHEREAS on the obligor's request, the Competent Authorities of NMHS has as per NMHS-PMU, G.B. Pant Institute of Himalayan Environment and Development, Kosi-Katarmal, Almora Letter No. _____ Dated _____ (hereinafter referred to as the 'Letter of Sanction') agreed to make in favor of the obligors a grant of Rs _____ (Rupees _____ only) out of which Rs _____ (Rupees _____ only) will be paid to the obligors on condition of the obligors having agreed to the terms and conditions mentioned in the letter of sanction.
3. Now the condition of the above-written obligation is such that if the obligors duly fulfill and comply with all the terms and conditions mentioned in the **Letter of Sanction** and in the **Annexure I and Appendix A & B** then the above written bond or obligation shall be void and of no effect; but otherwise it shall remain in full force, effect and virtue.
4. And those Presents further witness as under:
 - i. The decision of the Competent Authorities of NMHS on the question as to whether there has been breach or violation of any of the terms and conditions mentioned in the Letter of Sanctions shall be final and binding on the obligors.
 - ii. The Grantee has agreed to bear the stamp duty, if any, chargeable on the Presents.
5. In witness whereof those Presents have been executed on behalf of the obligors pursuant to the Resolution No. _____ dated _____ passed by the Board/ competent Authority of the obligors, on the date and year herein above-written.

Obligors in the presence of
With name and address

Accepted for and on behalf of

1. Signature of the grantee institution
2. (For office use only) Of the Competent Authorities of NMHS
Witness: - (Name and Designation)

F.No. Z.18017/187/CSS/CONS/UA-01/2015-16-NMPB

Government of India
Ministry of AYUSH
National Medicinal Plants Board
(Project no. CONS/UA-01/2016)

Room no. 309, 3rd Floor, AYUSH Bhawan, B Block,
GPO Complex, INA, New Delhi-110023.

Phone No: 011-24651824, 28

Email: info-nmpb@nic.in

Dated: 3rd September, 2015

To,

Dr. Vijay Kant Purohit,
Senior Scientific Officer,
High Altitude plant Physiology Research Centre (HAPPRC),
HN Bahuguna Garhwal University,
Srinagar (Garhwal), Uttarakhand -246174
Fax: 01346-252070

Sub: Approval of the project titled "Promotion of conservation of *Nardostachys grandiflora* (Jatamansi) by focusing extension of propagation technology and development of clusters with particular reference to higher Himalayan region of Uttarakhand." reg..

Sir,

The undersigned is directed to refer to your project proposal on "Promotion of conservation of *Nardostachys grandiflora* (Jatamansi) by focusing extension of propagation technology and development of clusters with particular reference to higher Himalayan region of Uttarakhand." and to say that the project has been approved for a total cost of â,148.82 Lakh (Rupees Forty Eight Lakh Eighty Two Thousand Only) in 64th Standing Finance Committee (decision of SFC enclosed) meeting.

You are requested to submit the duly filled up proforma of Agency Detail (proforma enclosed) for transferring the grant-in-aid through ECS mode & for online monitoring of the project along with the documents under mentioned:

1. Pre-receipt of 1st installment of â,19.53 lakh as indicated in the enclosure i.e. for the year 2015-16 on affixed Rs. 1/- revenue stamp.
2. A Certificate stating that Institute/Organization is not involved in any proceeding relating to the account or conduct for any of its office bearers.
3. An undertaking that the terms and conditions of the grant are acceptable to the Institute/Organizations.
4. A certificate that the organization has not received any grant from State or Central Govt. or from any other agency for the same proposal.

Cont..2/-

In order to facilitate the release of grant, the following information is required by the Chief Controller of Accounts of the Ministry of Health & Family Welfare:-

- a) Whether permission of State Government for implementation of the project has been obtained.
- b) The account to which the funds are to be transferred and whether the permission of the State Govt. exists for this. The official who operate the accounts.
- c) Whether the account is saving/current account.
- d) What is the institution mechanism to monitor the project?
- e) The authority authorized to audit the project accounts whether through the CAG or the Chartered Accountant.
- f) The authority to submit audited Utilization Certificate

You are requested to furnish the above information/ documents at the earliest.

The project no. of the project is " CONS/UA-01/2016.

Please quote the project Number for any correspondence with the Board.

Yours faithfully,

sd/
(Dr. M.S. Rawat)
Research Officer (Botany)

Copy for information and necessary action:

1. Chief Executive Officer, SMPB, Uttarakhand, 94, Vasant Vihar, Phase " II, Post - New Forest, Dehradun " 248006 (Uttarakhand)
2. Prof. M.C. Nautiyal, High Altitude plant Physiology Research Centre (HAPPRC), HN Bahuguna Garhwal University, Srinagar (Garhwal), Uttarakhand -246174
3. Prof. A.R. Nautiyal, DEAN, Agriculture , High Altitude plant Physiology Research Centre (HAPPRC), HN Bahuguna Garhwal University, Srinagar (Garhwal), Uttarakhand - 246174

11	Promotion of conservation of <i>Nardostachys grandiflora</i> (Jatamansi) by focusing extension of propagation technology and development of clusters with particular reference to higher	1) Development of large scale seedlings (approx. 8 lakh) of <i>Nardostachys grandiflora</i> (Jatamansi), strengthening and multiplication of mother stock	5	51.26880	48.82
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Man Power - 750,000: 10 Per year

11	<p>Promotion of conservation of <i>Nardostachys grandiflora</i> (Jatamansi) by focusing extension of propagation technology and development of clusters with particular reference to higher Himalayan region of Uttarakhand.</p> <p>PI: Dr. Vijay Kant Purohit, Senior Scientific Officer, High Altitude plant Physiology Research Centre (HAPPRC), HN Bahuguna Garhwal University, Srinagar (Garhwal), Uttarakhand -246174 Tel: 01346-2437, Fax: 252070 Email: vijaykantpurohit@rediffmail.com, happrc@gmail.com</p> <p>Co-PI (I): Prof. M.C. Nautiyal, High Altitude plant Physiology Research Centre (HAPPRC), HN Bahuguna Garhwal University, Srinagar (Garhwal), Uttarakhand -246174 Tel: 01346-2437, Fax: 252070 Email: mcnautiyal@gmail.com</p> <p>Co-PI (II): Prof. A.R. Nautiyal, DEAN, Agriculture, High Altitude plant Physiology Research Centre (HAPPRC), HN Bahuguna Garhwal University, Srinagar (Garhwal), Uttarakhand -246174 Tel: 01346-2437, Fax: 252070</p>	<p>1) Development of large scale seedlings (approx. 8 lakh) of <i>Nardostachys grandiflora</i> (Jatamansi), strengthening and multiplication of mother stock available at institute field research station, Tungnath (3600 masl) and herbal garden, Pothibasa (2200 masl) for conservaiton purposes</p> <p>2) selection of interested villageres/ farmers in village/ cluster level meetings, exposure visit of selecsted villageres/ farmers in herbal garden/ demonstration developed by Institute at Tunganath & pthibasa and existing model villages of MAPs cultivation in Uttarakhand or ther hill state of India</p> <p>3) On/off farm tranings of selecsted villageres/ farmers on available propagation and cultivation practices (Agro-technology) and post harvest techniques in terms of harvesting, grading, packaging of MAPs produced and field exercies on a regular basis for enhancement of capablity/ knowledge of villageres/ farmers</p> <p>4) Development of appropriate backward and forward linkages</p>	51.26880	48.82	19.53	14.65	14.64	<p>SF :- 1) dis be It A. 1.1 As 2.1 3.1 3 per 3 4.1 4 4 5.0 con sle 6.0 B.1 1.1 and</p>
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SFC approved the project at a cost of ₹48.82 lakhs as per following break up :-

1) PSC & SFC suggested that market linkages, plantation of species, distribution of the survival seedlings etc. to be indicated. Species/ Seedlings to be increased sustainability mechanism afterwards.

Items	Total cost recommended by PSC and approved by SFC (in ₹,')
A. Recurring	
1. Manpower (Field supervisor/ Senior Fellow/ Garden/ Field Assistant)	2160000
2. Travels (TA/DA)	300000
3. Meetings/ Trainings (on & off farm) 3.1- Village/ Cluster level meetings 3.2- Trainings (50 trainee farmers, reading materials, resource person fees, boarding & lodging, transport, tent etc. 3.3- Buyer & Seller meet (one per year)	870000
4. Raising of planting materials 4.1- Raising of quality planting material and maintenance of plants 4.2- Agriculture equipments	486000
5. Consumables i.e. UV plastic sheets, agro shed net/ irrigation pipe/ composting (FYM etc.) field tracking kit (jackets, shoes, trousers, sleeping bags, bags etc.)	350000
6. Contingencies/ Other miscellaneous expenditure	150000
B. Non- Recurring	
1. Permanent equipment i.e Audio-Video, documentation equipments and sign boards	100000
Total (A+B)	4416000
C- Institutional overheads charges (10%)	466080
Total (A+B+C)	4882080 or say 48.82 lakhs

Uttarakhand Council For Biotechnology

Department of Agriculture, Govt. of Uttarakhand
Biotech Bhavan, Haldi (263146), Distt. U.S. Nagar, Uttarakhand
(Ph 05944 230567 Email statebiotech@rediffmail.com)

No. UCB/R&D Project/2022/ 36

Date 06/05/2022

OFFICE ORDER

As per the recommendation of project review committee, UCB has been pleased to sanction R&D project entitled "Evaluation and standardization of applicable fast propagation techniques (biotechnological and conventional) of highly valued and high risk plant species "Inula racemosa (Pushkarmool)" and "Paris polyphylla (Satuwa) for promotion of cultivation and conservation of the species in Higher Himalayan region of Uttarakhand" for a period of three years with total cost of Rs. 9,45,000/- (Rupees Nine Lakh Forty Five Thousand Only) on the terms and conditions detailed here under:-

1. The Project

1.1 Title

"Evaluation and standardization of applicable fast propagation techniques (biotechnological and conventional) of highly valued and high risk plant species "Inula racemosa (Pushkarmool)" and "Paris polyphylla (Satuwa)" for promotion of cultivation and conservation of the species in Higher Himalayan region of Uttarakhand"

1.2 Project Investigator :

- Dr. Vijay Kant Purohit (PI) Sr. Scientific Officer, HAPPRC, H.N.B. Garhwal University, Srinagar, Garhwal - 246174
- Dr. Babita Patni (Co- PI), Assistant Professor, HAPPRC, H.N.B. Garhwal University, Srinagar, Garhwal - 246174
- Dr. P. Prasad (Co-PI) Professor, HAPPRC, H.N.B. Garhwal University, Srinagar, Garhwal

2. Consolidated Budget for the total project duration: -

Sl. No.	Items	1 st Year (Rs.)	2 nd Year (Rs.)	3 rd Year (Rs.)	Amount (in Rs.)
1.	Non-Recurring Equipments	50,000.00	None	None	50,000.00
2.	Recurring				
(i)	Manpower Young Professional-I @ Rs. 15000/- PM	1,80,000.00	1,80,000.00	1,80,000.00	5,40,000.00
(ii)	Consumables	80,000.00	40,000.00	40,000.00	1,60,000.00
(iii)	Travel	25,000.00	25,000.00	25,000.00	75,000.00
(iv)	Contingency	20,000.00	20,000.00	20,000.00	60,000.00
(v)	Overhead Charges	20,000.00	20,000.00	20,000.00	60,000.00
	Total	3,75,000.00	2,85,000.00	2,85,000.00	9,45,000.00

Note: Project Investigator is requested to intimate our officer for willingness to take up the above cited project with suggested modification within this budget for stipulated time period.

Conti

3. Terms & Conditions:

- i. The amount will be used by the institution/concerned office only for the purpose it has been sanctioned. The Amount will be used towards the expenditure for above cited project with stated objectives, milestone and timelines expressed thereof.
- ii. As per the rules the account of project shall be open to inspection by sanctioning authority whenever the institute is called upon to do so.
- iii. The institute will furnish to the department, utilization certificate of accounts pertaining to the grant, immediately after the end of the financial year.
- iv. Progress report and utilization certificate (as per UCB format) will be sent to this office by the PI through head of the institution in two hard copies and one soft copy (in Hindi and English).
- v. Kindly show the bank interest, if any, earned on the funds transferred by UCB as the same is required to be added in the capital fund amount released/being released.
- vi. The date of project will be as on the date of office order released.
- vii. No International travel will be undertaken from the sanctioned project grant unless specified otherwise.
- viii. Other terms and conditions are as per the Uttarakhand Council For Biotechnology, Govt. of Uttarakhand.


Director, UCB

Copy for information and necessary action to:-

1. Project Cell, UCB, Haldi
2. Accounts, UCB, Haldi
3. Dr. P. Prasad(Co-PI) Assistant Professor, HAPPRC, H.N.B. Garhwal University, Srinagar
4. Dr. Babita Patni (Co-PI) Assistant Professor, HAPPRC, H.N.B. Garhwal University, Srinagar, Garhwal
5. Dr. Vijay Kant Purohit (PI) Sr. Scientific Officer, HAPPRC, H.N.B. Garhwal University, Srinagar, Garhwal
6. The Registrar, H.N.B. Garhwal University, Srinagar, Garhwal


Director, UCB

Uttarakhand Biotechnology Council

Department of Agriculture, Govt. of Uttarakhand
Biotech Bhavan, Haldi (263146), Distt. U.S. Nagar, Uttarakhand
(Ph. 05944-230567 Email:statebiotech@rediffmail.com)

No. UCB/R&D Project/2022/20

Date 06/05/2022

OFFICE ORDER

As per the recommendation of project review committee, UCB has been pleased to sanction R&D project entitled "Assessment of nutraceuticals and chemical composition of the Himalayan spice *Allium stracheyi*" and their micropropagation for sustainable utilization" for a period of three years with total cost of Rs. 9,60,000/- (GEU, Dehradun) & Rs. 7,95,000/- (HAPPRC, Srinagar, Garhwal) on the terms and conditions detailed here under:-

1. The Project

1.1 Title

"Assessment of nutraceuticals and chemical composition of the Himalayan spice *Allium stracheyi*" and their micropropagation for sustainable utilization"

1.2 Project Investigator :

Dr. Prabhakar Semwal (PI) Assistant Professor, Graphic Era Deemed to be University,
566/6, Bell Road, Clement Town, Dehradun

✓ Dr. Vijaylaxmi Trivedi (Co-PI) Assistant Professor, HAPPRC, H.N.B. Garhwal University,
Srinagar, Garhwal

2 Consolidated Budget for the total project duration: -

Graphic Era Deemed to be University, Dehradun

Sl. No.	Items	1 st Year (Rs.)	2 nd Year (Rs.)	3 rd Year (Rs.)	Amount (in Rs.)
1.	Non-Recurring Equipments	Nil	Nil	Nil	Nil
2.	Recurring				
(i)	Manpower Young Professional-I @15,000/-PM	1,80,000.00	1,80,000.00	1,80,000.00	5,40,000.00
(ii)	Consumables	1,00,000.00	1,00,000.00	1,00,000.00	3,00,000.00
(iii)	Travel	10,000.00	10,000.00	10,000.00	30,000.00
(iv)	Contingency	10,000.00	10,000.00	10,000.00	30,000.00
(v)	Overhead Charges	20,000.00	20,000.00	20,000.00	60,000.00
	Total	3,20,000.00	3,20,000.00	3,20,000.00	9,60,000.00

Conti.....

HAPPRC, Srinagar, Garhwal

Sl. No.	Items	1 st Year (Rs.)	2 nd Year (Rs.)	3 rd Year (Rs.)	Amount (in Rs.)
1.	Non-Recurring Equipments	Nil	Nil	Nil	Nil
2.	Recurring				
(i)	Manpower Young Professional-I @15,000/-PM	1,80,000.00	1,80,000.00	1,80,000.00	5,40,000.00
(ii)	Consumables	50,000.00	50,000.00	50,000.00	1,20,000.00
(iii)	Travel	10,000.00	10,000.00	10,000.00	60,000.00
(iv)	Contingency	5,000.00	5,000.00	5,000.00	75,000.00
(v)	Overhead Charges	20,000.00	20,000.00	20,000.00	60,000.00
	Total	2,65,000.00	2,65,000.00	2,65,000.00	7,95,000.00

Note: Project Investigator is requested to intimate our officer for willingness to take up the above cited project with suggested modification within this budget for stipulated time period.


3 Terms & Conditions:

- i. The amount will be used by the institution/concerned office only for the purpose it has been sanctioned. The Amount will be used towards the expenditure for above cited project with stated objectives, milestone and timelines expressed thereof.
- ii. As per the rules the account of project shall be open to inspection by sanctioning authority whenever the institute is called upon to do so.
- iii. The institute will furnish to the department, utilization certificate of accounts pertaining to the grant, immediately after the end of the financial year.
- iv. Progress report and utilization certificate (as per UBC format) will be sent to this office by the PI through head of the institution in two hard copies and one soft copy (in Hindi and English).
- v. Kindly show the bank interest, if any, earned on the funds transferred by UBC as the same is required to be added in the capital fund amount released/being released.
- vi. The date of project will be as on the date of office order released.
- vii. No International travel will be undertaken from the sanctioned project grant unless specified otherwise.
- viii. Other terms and conditions are as per the Uttarakhand Council For Biotechnology, Govt. of Uttarakhand.

Copy for information and necessary action to:-

1. Project Cell, UCB, Haldi
2. Accounts, UCB, Haldi
3. Dr. Vijaylaxmi Trivedi (Co-PI) Assistant Professor, HAPPRC, H.N.B. Garhwal University, Srinagar, Garhwal
4. Dr. Prabhakar Semwal (PI) Assistant Professor, Graphic Era Deemed to be University, 566/6, Bell Road, Clement Town, Dehradun
5. The Vice Chancellor, Graphic Era (Deemed to be University), 566/6, Bell Road, Society Area, Clement Town, Dehradun-248002
6. The Registrar, H.N.B. Garhwal University, Srinagar, Garhwal


Director, UCB


Director, UCB

Uttarakhand State Council for Science and Technology

Department of Science and Technology (Govt. of Uttarakhand)
VIGYAN DHAM, Jhajra, Via Premnagar, Dehradun-248007 (UK)
[Email: rnd@ucost.in]

No.- UCS&T/R&D-33/20-21/9337 /1

Dated: 22-03-2021

ORDER

Sanction of ₹14,86,000/- (₹Fourteen Lakh Eighty Six Thousand only) for implementation of the project entitled "Improvising decentralized forest governance in Central Himalaya: Converging on livelihoods and policy concerns" to The Registrar, HNB Garhwal University, Srinagar (Garhwal), Pauri (UK) over a duration of 03 years.

The items of expenditure for the total tenure of 03 year for which the total allocation has been approved are given below:-

SINo	Account Head	Sanction (in ₹)		
		1st Year	2nd Year	3rd Year
i	Non-recurring	150000	0	0
ii	Manpower: Junior Research Fellow (02 No. @₹12,000/month)	288000	288000	288000
iii	Consumables	25000	25000	25000
iv	Travel	50000	50000	50000
v	Policy meetings/ Seminars/ Conferences	100000	100000	100000
vi	Training of Vanpanchayat members/ Stakeholders	80000	80000	80000
vii	Subtotal	693000	543000	543000
viii	Overhead Charges	100000	50000	50000
ix	Contingency	50000	50000	50000
x	Total (vii+viii+ix)	843000	643000	643000
	Grand Total		1486000	

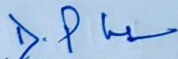
On the basis of Council's policy the sanction and release of funds for the first year of the project is granted as mentioned hereunder:-

(i)- Amount sanctioned	₹	843000
(ii)- Amount being released	₹	670000
(iii)- Balance	(i-ii) ₹	173000

Balance amount may be paid later on after receiving Progress Report of the project and requisition for funds (if required/requested).

Grant is being released through RTGS/NEFT in State Bank India; Account Number 40086920010; IFSC SBI N0010583; PAN No: AAALH0213N; GST No: 05AAALH0213N3ZE.

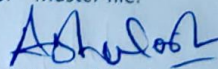
- ☞ Above grant is subject to the terms and conditions available at our webpage link: <http://ucost.in/grants/forms.html>.
- ☞ PI must submit "Date of Start Intimation Form" to the Council.
- ☞ PI will strictly follow the terms and conditions.
- ☞ This order is being issued as per approval accorded by Director General, UCOST.

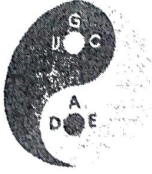

(Dr D.P. Uniyal)
Joint Director (I/c)

No. and Date as above

Copy for information and necessary action to:

1. The Registrar, HNB Garhwal University, Srinagar (Garhwal), Pauri (UK)
- ✓ 2. Prof R.C. Sundriyal, Department of Forestry & Natural Resources, Chauras Campus, H.N.B. Garhwal University, Srinagar, Pauri (UK) (Mob: 9412094046, Email: sundriyalrc@yahoo.com) [PI of the project]
3. Dr. Munesh Kumar, Associate Professor, Department of Forestry & Natural Resources, Chauras Campus, H.N.B. Garhwal University, Srinagar, Pauri (UK) [Co-PI]
4. Accounts Section for release of above amount
5. Master file.


(Dr Ashutosh Mishra)
Sr Scientific Officer (I/c)



UGC-DAE Consortium for Scientific Research
(Formerly: Inter University Consortium for DAE Facilities; IUC-DAEF (An Autonomous institution under University Grants Commission, New Delhi) (A Society Registered Under M.P. Society Registrakaran Adhinyam, 1973) Registered Office and Head Office : UGC-DAE Consortium, University Campus, Khandwa Road, Indore-452 017. Phone 0731-2463913/2762267/2463913 Fax: 0731-2462294/2465437

Ref: CSR-IC-ISUM-01/CRS-310/2021-22/580

Date : 16/12/2021

To,
Dr. Mona Semalty,
Department of Pharmaceutical Sciences,
Chauras campus, HNB Garhwal University,
(A Central University), Srinagar Garhwal
PO-Kilkileshwar (via Kirtinagar) -249161 Uttarakhand

Sub :- Your proposal entitled "Study Drug CD complexes using ADXRD beamline (BL-12), Indus 2"

Dear Dr. Mona Semalty,

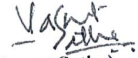
We are happy to inform you that your CRS proposal has been renewed for one more year for the period 1st April, 2021 to 31st March, 2022, subject to compliance of other procedures:

The financial allocation for this year will be:

Project Fellow (@31,000/-pm+HRA	Rs.3,72,000/- + HRA
Contingency	Rs. 15,000/-
Consumables	Rs. 30,000/-

1. Dr. Mukul Gupta will coordinate the activities of the project from CSR side.
2. The Project will be reviewed at the end of each year and a decision will be taken on the financial allocation for the succeeding year.
3. The CSR will reimburse the travel expenses to investigators as well as student under the project as per CSR guidelines for visiting CSR, Indore Centre on project work.
4. After 2 Years as project Fellow, if the research work is found satisfactory on assessment by a committee with at least one research paper in a reputed journal, the Project Fellow may be upgraded to Project Fellow-II with the fellowship of Rs.35,000/-pm+HRA.
5. The PI and the Co-ordinator from CSR side are requested to make every effort to complete the project in time that may enable the research scholar working in the project to complete his/her Ph.D. degree within the stipulated time limit.
6. This is a Collaborative Research Scheme. In view of the complex and involved nature of the experiments, any publication emerging under the project must be of collaborative in nature with due consents from the participating institutions / persons, and in consultation with the CRS coordinator. The publication should also acknowledge the UGC-DAE CSR, Indore for the project support.
7. Money for the year 2020-21 will be transferred to the Registrar of your University under intimation to you by our Accounts Section after adjusting the unspent balance of the grant released earlier, if any upto financial year ending on 31.3.2021, upon receiving the following: (a) Statement of Account for the period upto 31.3.2021 signed by the Registrar and (b) Certificate of Utilization of money spent till 31.3.2021, signed by the Registrar.
8. UC/SE in the prescribed format for Financial Year 2021-22 has to be submitted by 30th April 2022.

Yours sincerely,


(Dr. Vasant Sathe)
Centre-Director.

Copy to the following for information and necessary action:-

- 1) The Administrative Officer-1 (Account), UGC-DAE CSR, Indore Centre.
- 2) The Registrar, HNB Garhwal University, Srinagar Garhwal.
- 3) The Centre-Director, CSR Indore Centre for project file.



Ref: CRS-ISUM-44/CRS-310

Date: 02-06-2023

Sanction Order

To,
The Registrar/Principal/Financial Authority,
Through Dr Mona Semalty, Department of Pharmaceutical Sciences, Chauras campus,
HNB Garhwal University, (A Central University), Srinagar Garhwal

Subject: Collaborative Research Scheme (CRS) Project of UGC-DAE CSR entitle "Study Drug CD complexes using ADXRD beamline (BL-12), Indus 2 by Dr Mona Semalty.

Dear Madam/Sir,

In continuation to our sanction letter the CRS project submitted to UGC-DAE CSR by **Dr Mona Semalty**, of your institution has been approved by the competent authority. The principal collaborator from UGC-DAE CSR is **Dr. Mukul Gupta**. The details of the remittance are given below:

Student fellowship(@ ₹14,000/- pm+HRA)	Consumable	Contingency	Total Amount	Date of remittance	PFMS Ref. No.
₹411240	₹30000	₹15000	₹456240	3/30/2023	C032392214235
<i>No overheads are available under this scheme</i>					

This project has been approved as per the guidelines given below:

1. This is a Collaborative Research Scheme (CRS) of UGC-DAE CSR. In view of the complex and involved nature of the experiments, any publication emerging under the project must be of collaborative in nature with due consents from the scientists at UGC-DAE CSR and/or DAE centres, and in consultation with the Principal Collaborator/Coordinator. Following phrase must be included in the acknowledgement: "This work was partially/fully carried out using the facilities of UGC-DAE CSR. The authors acknowledge the financial support from UGC-DAE CSR through a Collaborative Research Scheme (CRS) project number CRS-ISUM-44/CRS-310."

2. This project is sanctioned for **one year** but it may be extended on yearly basis subject to a total period of three years.

3. In case the CRS project has been approved without student fellowship, it will not be possible to grant student fellowship in subsequent years as well.

4. The PI must '**Apply for an Experiment Time**' through our online user portal <https://csruserportal.com/> for utilization of each experimental facility each time.

5. The project will be reviewed at the end of each year to consider sanction and financial allocation for the succeeding year.

6. The release of grants for the subsequent years can be made only upon receipt of funds from UGC towards the scheme. A separate sanction order will be issued for the subsequent years.

7. At the end of the financial year (i.e. by March 31) the PI should submit:

- (i) Utilization Certificate in the format provided at our website for the amount spent and
- (ii) A Statement of Expenditure duly signed by the Registrar/Principal/competent financial authority of your university/institution to the Centre-Director of respective Centre. The release of funds for the subsequent year(s) can only be made after receiving the above documents.

8. The UGC-DAE CSR will be able to reimburse the travel expenses to Project Investigators as per rules, limited to 2nd AC train fare visiting a centre on project work. However, the student participant is permitted for a sleeper class train fare by the shortest route and is as per prevailing norms of UGC-DAE CSR.

Rules for selection of a CRS project fellow

The CRS project fellow (if approved) should be made by an open selection procedure as per UGC guidelines. The recruitment procedure should be completed within 3 months after the release of the sanction order. The details for recruitment are given below:

#	Designation	Remuneration	Qualifications
1	CRS Project Fellow (Junior) -I	₹14,000 + HRA	M.Sc. (not earlier than 3 years) with a minimum of 55% marks in the concerned subject (for Science) M.E. / M. Tech. (not earlier than 3 years) 1st Class (for Engineering)
2	CRS Project Fellow (Senior)-I	₹16,000 + HRA	After completion of 2 years as a CRS Project Fellow (Junior) -I + at least one research paper in a reputed SCI journal + assessment of the student by a 3 member expert committee approved by the Centre-Director
3	CRS Project Fellow (Junior)-II	₹31,000 + HRA	Same as (1) + valid JEST/GATE/NET-JRF/Lectureship/UGC-CSIR NET JRF/Lectureship + Ph.D. registration of the student under the supervision of the PI at the University where PI's institute is affiliated
4	CRS Project Fellow (Senior)-II	₹35,000 + HRA	After completion of 2 years as a CRS Project Fellow (Junior)-II + at least one research paper in a reputed SCI journal + assessment of the student by a 3 member expert committee approved by the Centre-Director

1. All recruitment should be authorized by a selection committee as per rules of University/Institution in which the PI is working. The advertisement should be widely circulated electronically and a copy should be sent to the Principal Collaborator.

2. For appointing a student in the CRS project, the interview panel must be approved by the Centre-Director of the respective Centre. The PI should inform the interview schedule as least 2 weeks in advance. The entire process should be conducted in an online/hybrid mode.

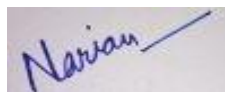
3. A UGC-DAR CSR nominee along with Principal Collaborator is needed for all interviews and upgradations.

4. For all appointments, it has to be mentioned that it is on purely temporary basis and will co-terminate with the CRS project. Leave rules for the appointed fellow will be as per the host institution of PI.

5. Appointment of student in the project is not permitted in the second or third year of the project.

6. While appointing as well as upgrading, a copy of relevant documents including CV along with educational qualification documents (incl. NET/GATE, etc.), minutes of the selection committee/upgradation committee, appointment letter, joining report etc. must be send to the Centre-Director of the respective Centre.
7. The student appointed under this project should spend a substantial amount of time at UGC-DAE CSR.
8. Contingency fund to be utilized for computational work, purchase of stationary and other consumables pertaining to the concerned project. No grant is allocated for any capital equipment/asset.

Copy to: Director, Centre-Director, User Office, Dr. Mukul Gupta, Dr Mona Semalty, AO-II for information.



Narian Kr. Lengay
Administrative Officer-I
(UGC-DAE CSR)



Ref: CRS-ISUM-44/CRS-310

Date: 16-06-2023

Revised Sanction Order

To,
The Registrar/Principal/Financial Authority,
Through Dr Mona Semalty, Department of Pharmaceutical Sciences, Chauras campus,
HNB Garhwal University, (A Central University), Srinagar Garhwal

Subject: Collaborative Research Scheme (CRS) Project of UGC-DAE CSR entitle "Study Drug CD complexes using ADXRD beamline (BL-12), Indus 2 by Dr Mona Semalty.

Dear Madam/Sir,

In continuation to our sanction letter the CRS project submitted to UGC-DAE CSR by **Dr Mona Semalty**, of your institution has been approved by the competent authority. The principal collaborator from UGC-DAE CSR is **Dr. Mukul Gupta**. The details of the remittance are given below:

Student fellowship(@ ₹31,000/- pm+HRA)	Consumable	Contingency	Total Amount	Date of remittance	PFMS Ref. No.
₹411240	₹30000	₹15000	₹456240	3/30/2023	C032392214235

No overheads are available under this scheme. This is third grant for the year 2022-2023.

This project has been approved as per the guidelines given below:

1. This is a Collaborative Research Scheme (CRS) of UGC-DAE CSR. In view of the complex and involved nature of the experiments, any publication emerging under the project must be of collaborative in nature with due consents from the scientists at UGC-DAE CSR and/or DAE centres, and in consultation with the Principal Collaborator/Coordinator. Following phrase must be included in the acknowledgement: "This work was partially/fully carried out using the facilities of UGC-DAE CSR. The authors acknowledge the financial support from UGC-DAE CSR through a Collaborative Research Scheme (CRS) project number CRS-ISUM-44/CRS-310."

2. This project is sanctioned for **one year** but it may be extended on yearly basis subject to a total period of three years.

3. In case the CRS project has been approved without student fellowship, it will not be possible to grant student fellowship in subsequent years as well.

4. The PI must '**Apply for an Experiment Time**' through our online user portal <https://csruserportal.com/> for utilization of each experimental facility each time.

5. The project will be reviewed at the end of each year to consider sanction and financial allocation for the succeeding year.

6. The release of grants for the subsequent years can be made only upon receipt of funds from UGC towards the scheme. A separate sanction order will be issued for the subsequent years.

7. At the end of the financial year (i.e. by March 31) the PI should submit:

- (i) Utilization Certificate in the format provided at our website for the amount spent and
- (ii) A Statement of Expenditure duly signed by the Registrar/Principal/competent financial authority of your university/institution to the Centre-Director of respective Centre. The release of funds for the subsequent year(s) can only be made after receiving the above documents.

8. The UGC-DAE CSR will be able to reimburse the travel expenses to Project Investigators as per rules, limited to 2nd AC train fare visiting a centre on project work. However, the student participant is permitted for a sleeper class train fare by the shortest route and is as per prevailing norms of UGC-DAE CSR.

Rules for selection of a CRS project fellow

The CRS project fellow (if approved) should be made by an open selection procedure as per UGC guidelines. The recruitment procedure should be completed within 3 months after the release of the sanction order. The details for recruitment are given below:

#	Designation	Remuneration	Qualifications
1	CRS Project Fellow (Junior) -I	₹14,000 + HRA	M.Sc. (not earlier than 3 years) with a minimum of 55% marks in the concerned subject (for Science) M.E. / M. Tech. (not earlier than 3 years) 1st Class (for Engineering)
2	CRS Project Fellow (Senior)-I	₹16,000 + HRA	After completion of 2 years as a CRS Project Fellow (Junior) -I + at least one research paper in a reputed SCI journal + assessment of the student by a 3 member expert committee approved by the Centre-Director
3	CRS Project Fellow (Junior)-II	₹31,000 + HRA	Same as (1) + valid JEST/GATE/NET-JRF/Lectureship/UGC-CSIR NET JRF/Lectureship + Ph.D. registration of the student under the supervision of the PI at the University where PI's institute is affiliated
4	CRS Project Fellow (Senior)-II	₹35,000 + HRA	After completion of 2 years as a CRS Project Fellow (Junior)-II + at least one research paper in a reputed SCI journal + assessment of the student by a 3 member expert committee approved by the Centre-Director

1. All recruitment should be authorized by a selection committee as per rules of University/Institution in which the PI is working. The advertisement should be widely circulated electronically and a copy should be sent to the Principal Collaborator.

2. For appointing a student in the CRS project, the interview panel must be approved by the Centre-Director of the respective Centre. The PI should inform the interview schedule as least 2 weeks in advance. The entire process should be conducted in an online/hybrid mode.

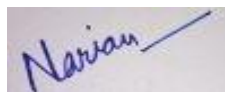
3. A UGC-DAR CSR nominee along with Principal Collaborator is needed for all interviews and upgradations.

4. For all appointments, it has to be mentioned that it is on purely temporary basis and will co-terminate with the CRS project. Leave rules for the appointed fellow will be as per the host institution of PI.

5. Appointment of student in the project is not permitted in the second or third year of the project.

6. While appointing as well as upgrading, a copy of relevant documents including CV along with educational qualification documents (incl. NET/GATE, etc.), minutes of the selection committee/upgradation committee, appointment letter, joining report etc. must be send to the Centre-Director of the respective Centre.
7. The student appointed under this project should spend a substantial amount of time at UGC-DAE CSR.
8. Contingency fund to be utilized for computational work, purchase of stationary and other consumables pertaining to the concerned project. No grant is allocated for any capital equipment/asset.

Copy to: Director, Centre-Director, User Office, Dr. Mukul Gupta, Dr Mona Semalty, AO-II for information.



Narian Kr. Lengay
Administrative Officer-I
(UGC-DAE CSR)



डॉ. अलोक बनर्जी
केन्द्र-निदेशक, इन्दौर सेन्टर
Dr. Alok Banerjee
Centre-Director, Indore Centre

विश्वविद्यालय अनुदान आयोग – परमाणु ऊर्जा विभाग वैज्ञानिक अनुसंधान संकुल
UGC-DAE CONSORTIUM FOR SCIENTIFIC RESEARCH

विश्वविद्यालय परिसर खण्डवा रोड, इन्दौर - 452001, (म.प्र.) भारत
University Campus, Khandwa Road, Indore - 452001, (M.P.) India
Tel : 0731- 2472200 ; EPBX : 0731-2463913 / 2472201; 2762267
Fax : 0731-2465437, Email: alok@csr.res.in, https:// www.csr.res.in

Ref: CSR-IC-ISUM-27/CRS-310/2019-20/1362.

March 5, 2020

Dr. Mona Semalty,
Asst. Professor, Dept. of Pharmaceutical Sciences,
HNB Garhwal University,
USIC Building Garhwal University, Madhi Chauras,
Naur, Uttarakhand 249161

Sub:- Your proposal entitled “Studying drug CD complexes using ADXRD beamline (BL-12), Indus-2”.

Dear Dr. Mona Semalty,

We would like to thank you for visiting Indore for presenting your CRS proposal at Indus Synchrotron Users’ Meeting during March 27-29, 2019. Subsequently the proposals were discussed at length by a Committee. Your above proposal has been approved:

The financial allocation for this year will be:

**Project Fellow (@ Rs.14,000/- pm) + HRA	Rs. 1,68,000/- + HRA
Contingency	Rs.15,000/-
Consumables	Rs.30,000/-

No overheads are available under this scheme.

** If the selected student has M.Sc., with GATE/NET-JRF, then Project Associate-I may be given (@ Rs.31,000/- pm)+ HRA for which additional prior approval has to be taken from the Centre-Director, Indore Centre.

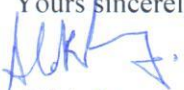
1. This project is sanctioned presently for one year but it may be extended on year basis subject to a total period of three years.
2. This proposal is assigned to Beamline No. 12. Dr. D.M. Phase and Dr. Mukul Gupta from UGC-DAE CSR will coordinate your project.
3. Selection of research student in the project will be done as per the guidelines enclosed. **The PI may contact Centre-Director of Indore Centre for approving the CSR Nominee for the selection of the candidate.**
4. Ph.D. student appointed under the project is expected to spent at least 3 months in a year at the Consortium, if needed.
5. The major portion of the emerging thesis of respective Ph.D. student should be centered around and contain the results from Consortium.
6. This is a Collaborative Research Scheme. In view of the complex and involved nature of the experiments, any publication emerging under the project must be of collaborative in nature with due consents from the participating institutions / persons, and in consultation with the CRS coordinator. The publication should also acknowledge the UGC-DAE CSR, Indore for the project support.

.....Contd.....2

:: 2 ::

7. The project will be reviewed at the end of each year and a decision will be taken on the financial allocation for the succeeding year.
8. Research Student may be engaged following the guidelines attached herewith. Fellowship may be sanctioned as per the guidelines given in the addendum (enclosed). The Research student must be registered for a Ph.D. from a recognized University in their respective disciplines in a reasonable period of time after joining the project.
9. The CSR will be able to reimburse the travel expenses to investigators as per rules, limited to 2nd AC train fare visiting CSR, Indore Centre on project work. However, the student participant is permitted for a sleeper class train fare by the shortest route and is as per prevailing norms of CSR.
10. At the end of the financial year (i.e., March 31) you will kindly send the (i) utilization certificate for the amount spent and (ii) a statement of account duly signed by the Registrar of your university to the Centre-Director, Indore Centre of UGC-DAE CSR. Funds for the succeeding year in view of the allocation can be released only after receiving the above documents.
11. The PI along with the co-ordinator from CSR side are requested to make every effort to complete the project in time that may enable the research scholar working in the project to complete his/her Ph.D. degree well within the stipulated time limit.
12. Selection of research student in the project will be done as per the guidelines enclosed. A CSR nominee is needed for this.
13. You may please send the following information along with your acceptance for sending the grants:
 - a) Name of the Bank
 - b) Name of Beneficiary
 - c) RTGS Code of the Bank
 - d) A/c No. of Beneficiary
 - e) Branch of the Bank

Please let me have your acceptance of the CRS under the above conditions immediately so that money can be transferred to the Registrar of your university. The funds will be transferred after receiving the grants from University Grants Commission, New Delhi.

Yours sincerely,

(Alok Banerjee)

Copy to the following for information and necessary action:-

1. The Administrative Officer-I (Accounts), UGC-DAE CSR, Indore.
2. The Registrar, HNB Garhwal University, USIC Building Garhwal University, Madhi Chauras, Naur, Uttarakhand 249161.
3. The PS to Centre-Director, CSR, Indore Centre for project file.



Revathy Vishwanath
Deputy Director
RP Division Incharge
Tel #011-26716690
E-mail: mmp2016rpr@gmail.com

19281

Indian Council of Social Science Research
(Ministry of Human Resource Development)
JNU Institutional Area, Aruna Asaf Ali Marg
New Delhi - 110067
Website: www.icssr.org

SANCTION ORDER

F.No. 02/72/2019-20/MJ/MN

Dated: 22-01-2020

The Registrar,
H.N.B Garhwal University,
Srinagar Garhwal,
Uttarkhand-246174



Subject: Sanction of Major Research Project entitled " Exploring Tourists Behavioural Intentions towards the use of Selected Mobile wallets for Digital Payments.. " to Dr. Shiv Kumar Gupta.

Dear Sir,

1. The Indian Council of Social Science Research (ICSSR) considered the above major research project submitted by Dr. Shiv Kumar Gupta, Professor, Centre for Mountain Tourism and Hospitality Studies, H.N.B. Garhwal University, Kirtinagar, District- Tehri, Uttarkhand-249161 . Co-Project Directors of the study are: 1. Dr. Arif Hasan, Assistant Professor, SRM University, Gangtok, Sikkim-737102.

2. The study, as proposed by the researcher, is to be located at and financially administered by your institution as per the guidelines of this award.

3. The ICSSR has sanctioned a grant-in-aid of Rs. 07, 00,000/- (Rupees Seven Lakh only) for the above research project and the grant will be released as follows:

First instalment	:Rs. 2,80,000/-
Second instalment	:Rs., 2, 10,000/-
Third instalment	:Rs. 1,40,000/-
Fourth Instalment	:Rs. 35000/-
Publication cost*	:Rs. 35000/-
Total	:Rs. 07, 00,000/-
Overhead charges over and above 7.5% or maximum Rs.1,00,000	: Rs. 52500/-**

* ICSSR would publish it subject to recommendation by the expert and relevant Committees for the purpose, from the overall budget, so to be retained by the ICSSR .

**will be released on successful completion of project after evaluation.

(The break-up budget approved by the ICSSR of Rs. 07,00,000/- is enclosed.)

Handwritten notes: hamals, 27/2/2020, FD

Handwritten signature and initials: F.O.

4. The First installment of the approved grant-in-aid will be released after receiving the grant-in-aid bill duly filled in, stamped and signed by the Project Director as well as the affiliating organization. (GIB already received).


Handwritten signature: R...

5. In case, the study involves survey research, the finalized schedules/questionnaires (2 copies) to elicit information should be sent to the ICSSR as per the following schedule:
- If the schedule /questionnaire for eliciting information is as per standard questionnaire, these will have to be sent to ICSSR immediately,
 - If the schedule /questionnaire for eliciting information are to be designed afresh keeping in view the requirements of the project, these will have to be sent to the ICSSR within a period of six months in any case.
6. **The Second Instalment** will be released after receiving a satisfactory **six/nine monthly/annual** progress report, one published research paper in peer reviewed journal along with a simple statement of account of the account for the first instalment in prescribed format (Depending upon the duration of the Project).
7. **The Third instalment** will be released after receiving the Final Report (two hard copies and one soft copy in CD/or pen-drive) along with the executive summary (3000 to 4000 words/ten copies) and Research Papers (two) and the statement of account of the second instalment. Such data or information relating to the research project as may be asked for by the ICSSR for preservation in its Data Archives should be given by the scholar.
8. The scholar shall acknowledge support of ICSSR in all publications resulting from the project output (Research Paper, Books, Articles, Reports, etc.) and should submit a copy of the same to the ICSSR during its course and after completion.
9. **The Fourth instalment** will be released on the receipt of: (a) Satisfactory book length of the Final Report in the publishable form after incorporating all corrections, suggestions of the expert; (b) Statement of accounts with Utilization Certificate in GFR of 12A form for the entire project amount duly signed by the Finance Officer/Registrar/Principal/Director of the affiliating institution (c) A certificate of statement of assets and books purchased out of the project fund issued by the affiliating institution.
10. The University/Institution of affiliation will provide to the scholar office accommodation including furniture, library and research facilities and messengerial services. For this, the ICSSR shall pay to the University/Institution of affiliation **overhead charges @7.5%** over and above or maximum Rs.1,00,000 of the total expenditure incurred on the project only after successful completion of the project.
11. The Contingency Grant may be utilized for research and office assistance, books, stationary, computer cost, research assistance and the field work expenses of Project Director, Co-Project Directors and research personnel connected with the research work.
12. The overhead charges to the affiliating institution over and above @ 7.5% or maximum Rs.1,00,000 will be released only after successful completion of the project after evaluation. The accounts and the Utilization Certificate will be signed by the Finance Officer/Registrar/Principal/Director in the case of accounts of the institution are audited by CAG/AG. Otherwise, they need to be signed by the Finance Officer and the Chartered Account.
13. The Director of the research project will be **Dr. Shiv Kumar Gupta**, who will be responsible for its completion within **24 Months** from the date of commencement of the project, which is **15-03-2020** as intimated by the scholar.
14. In case, the Project Director does not submit the periodic / final project report as per schedule with adequate justification, the scholar may be debarred from availing all future financial assistance from ICSSR.

All grants from ICSSR are subject to the general provision of GFR 2005 and in particular with reference to the provision contained in GFR 209, GFR 210, GFR 211 and GFR 212.

16. The Project Director will ensure that the expenditure incurred by him conforms to the approved budget heads. The grant-in-aid is subject to all the conditions laid down in the **Indian Council of Social Science Research (ICSSR) Research Projects available in the ICSSR website www.icssr.org**
17. The expenditure on this account is debatable to the **Budget Head-ICSSR (Scheme Code 0877); OH 31.09 Research Projects.**
18. All project instalments will be transferred through **Public Finance Management System (PFMS)** and ICSSR shall implement the EAT module for ensuring transparency of expenditure at all levels and to ensure that there is no parking of funds.
19. As per MHRD instruction, the amount of grant sanctioned herein is to be utilized by **the end of the project duration**. Any amount of the grant remaining unspent shall be refunded to the ICSSR immediately after the expiry of the duration of the project. If the grantee fails to utilize the grant for the purpose for which the same has been sanctioned/or fails to submit the audited statement of expenditure within the stipulated period, the grantee will be required to refund the amount of the grant with interest thereon @ 10% per annum.

Yours faithfully,


(Revathy Vishwanath)
For MEMBER-SECRETARY

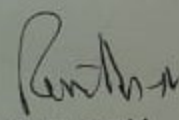
as above.
to:

Dr. Shiv Kumar Gupta, Professor,
Centre for Mountain Tourism and Hospitality Studies,
H.N.B. Garhwal University, Kirtinagar,
District- Tehri, Uttarkhand-249161

Dr. Arif Hasan,
Assitant Professor,
SRM University, Gangtok,
Pincode-737102, Sikkim

Finance Branch, ICSSR, New Delhi

Record file


(Revathy Vishwanath)
For MEMBER-SECRETARY

MEMORANDUM OF UNDERSTANDING

BETWEEN



**NATIONAL INSTITUTE OF HYDROLOGY
ROORKEE - 247 667 (UTTARAKHAND)**

AND



**HEMVATI NANDAN BAHUGUNA GARHWAL UNIVERSITY
SRINAGAR (GARHWAL), UTTARAKHAND, 246174**

July, 2016

**Memorandum of Understanding for Execution of the Projects under National-
Mission for Sustaining Himalayan Ecosystem (NMSHE), DST**

Between
National Institute of Hydrology (NIH), Roorkee - 247 667 (Uttarakhand)
And

Department of Geology, HNB Garhwal University, Srinagar Garhwal-246174

1. Name of the Project	Understanding of hydrological process in Upper Ganga Basin by using Isotopic Technique
2. Sponsoring Agency	National Institute of Hydrology Roorkee - 247 667 (Uttarakhand) (Under financial support for Task Force proposal entitled "Integrated Hydrological Studies for Upper Ganga Basin up to Rishikesh" by National Institute of Hydrology, Roorkee under National Mission for Sustaining the Himalayan Ecosystem - NMSHE)
3. Nodal Officer of NIH	Sub project: Dr. S.P.Rai Scientist 'E', Nuclear Hydrology Division National Institute of Hydrology Roorkee - 247 667 (Uttarakhand)
4. Executing Agency	HNB Garhwal University, Srinagar Garhwal
5. Nodal Officer/ Principal Investigator of Centre for Glaciology, HNB GARHWAL UNIVERSITY, SRINAGAR GARHWAL	Dr. Harish Chandra Nainwal, PI HNB Garhwal University, Srinagar Garhwal
6. Duration of Project	From the date of signing of MoU up to 12 January, 2021.
7. Project Cost	16,75,000/- (Rs. Sixteen lakh seventy five thousand). Year-wise break-up for sanctioned amount is given below.

Head/Post	Amount (Rs. in Lakh)					
	1 st Year	2 nd Year	3 rd Year	4 th Year	5 th Year	Total
Stationery	0.25	0.25	0.25	0.25	0.25	1.25
Consumable/Lab Expendable	0.25	0.25	0.25	0.25	0.25	1.25
Other expenses						
Office expenses						
Workshop/Meetings/Trainings			0.50	0.50		1.000
Contingency	1.50	1.50	1.50	1.50	1.50	7.5
Travel & Field						
Travel & Field	0.75	1.5	1.5	1.0	1.0	5.75
Total	2.75	3.5	4.0	3.5	3.0	16.75

The funds of the project will be transferred to HNB Garhwal University, Srinagar Garhwal as per following details:

Account Name : M/S Registrar HNBGU SRINAGAR GARHWAL GEOLOGY
Account No. : 15042191015366
Bank Name : Oriental Bank of Commerce
Branch : Srinagar Garhwal, Uttarakhand
IFSC Code : ORBC0101504

8. Terms of Payment:

Annual installments will be as approved by DST as detailed in 6(A) and 6(B) & Order No. DST/SPLICE/CCP/NMSHE/TF-4/NIH/2015-G dated 13-01-2016 & Order No. DST/SPLICE/CCP/NMSHE/TF-4/NIH/2015-(C) dated 13-01-2016 as per following terms.

- Installments will be released to HNB GARHWAL UNIVERSITY, SRINAGAR GARHWAL after NIH receive the installment from DST.
- Installment will be released after the submission and acceptance of annual Utilization Certificate & Statement of Expenditure (UC & SE) along with Progress Report as per the DST norms.
- The project will be regulated as per the provisions of DST.

9. Objectives and Scope of Work:

To understand the hydrological process in Upper Ganga Basin by using Isotopic Technique, objectives are following:

- a) Isotopic characterization of precipitation and identification of sources of vapour (NIH & HNBSGU).
- b) Runoff generation processes in headwater region of Ganga using isotope (NIH) and modelling (HNBSGU).
- c) Spatial and temporal variation of snow and glacier melt in Ganga and its major tributaries (HNBSGU).
- d) Contribution of transient groundwater and its role in sustainable flow of Ganga (NIH).
- e) Groundwater dynamics in mountainous area including identification of recharge sources and zones of major springs (NIH & HNBSGU).

10. Major Deliverables

- a) The executing agency will submit the results of modelling, runoff generation process in head water region of Ganga.
- b) It will also submit other data that will be generated or collected during the project.
- c) Report of the work done for this project as per objectives.

11. Review of Progress

- a) The Nodal Officer executing the project on behalf of HNBSGU, SRINAGAR GARHWAL will submit 6-monthly progress reports.
- b) Presentation of findings/recommendations of the study need to be made by Nodal Officer executing the project as and when required by the Sponsoring Agency.

12. Utilization Certificate/Audit

- a) The HNBSGU, SRINAGAR GARHWAL will furnish utilization certificate and audited statement of accounts immediately after the end of each financial year.
- b) The HNBSGU, SRINAGAR GARHWAL will maintain separate audited accounts for the project. If it is found expedient to keep a part or whole of the grant in a bank account, the interest earned should be reported to NIH/DST. The interest thus earned will be treated as a credit to the Institute to be adjusted towards further installment of the grant.
- c) As per rule 211 of GFRs, the accounts of the project shall be open to inspection by the sanction authority/audit whenever the Institute is called upon to do so.


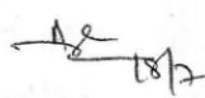
13. **Other conditions**


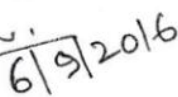
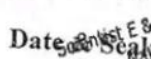
- a) All capital goods and equipment purchased under the project will be regulated by the DST norms.
- b) The variation in scope of work for the project study, if any shall be carried out in consultation with the Competent Authority of NIH, Roorkee.
- c) The executing agency will work in close collaboration with NIH, Roorkee. NIH will also join the study from time to time and as and when required.
- d) **Force Majeure:** For the purpose of and within the scope of the contract by way of indication and not of limitation, the term 'Force Majeure' shall mean acts of nature, strikes, lockouts, or other industrial disturbances, act of public/enemy, wars, blockades, insurrection, riots, epidemics, landslides, earthquakes, storms, lightening, flood, washouts, civil disturbances, explosions and any other similar event not within the control of either party and which by exercises of due care and diligence neither party is able to prevent or overcome. Should the occurrence of force majeure last more than 15 days, both parties have the right to cancel contract. In such case, the consultant will be paid for all the work completed or which has been carried out or performed up to time of occurrence of such event.
- e) **Liability:** In case any legal dispute arises between HNBGU, SRINAGAR GARHWAL and the sponsor such that the Investigator(s)/ HNBGU, SRINAGAR GARHWAL in any way, held responsible to make good the losses incurred by the sponsor, such liability will be restricted to a maximum limit which will be calculated as follows:
Maximum Liability = Total amount charged for the project – the expenditure / liabilities on the project. It is in the interest of the Investigators to bring this fact to the notice of the sponsors. The expenditure/liabilities as determined by the Institute will be calculated as the expenditure/liability till such date on which the sponsors inform the Investigator in writing to stop work on the project for ongoing projects, or till the end of the project for completed projects. This amount does not include the remuneration paid to the Investigator(s) and staff of the Institute.
- f) **Arbitration:** In the event of any dispute or difference at any time arising between the parties relating to this project or any other clause(s) or any content of the right and liabilities of the parties or other matters specified therein or with reference to anything arising out of this project or otherwise in relation to the terms, whether during the project or thereafter, such disputes or differences shall be referred to the sole arbitration of Director, NIH, or a person nominated by him whose decision after hearing of both parties shall be final and binding on either parties.

- h) **Security and Confidentiality:** Necessary security and confidentiality measures will be taken for safe keeping and maintaining secrecy of the secret data/documents. All the data acquired or generated during the project shall be handed over in total to NIH on completion of the study. However both the institute will have the equal right for use of these data for scientific/research purposes.
- i) This MoU shall be operative until the completion of the project and acceptance of the final report by NIH/DST. In case the period of the project is extended beyond 12 January 2021, the validity of the MoU would be extended accordingly without any financial liability,

For & On behalf of HNB
GARHWAL UNIVERSITY,
SRINAGAR GARHWAL

For & On behalf of NIH, Roorkee

Name: 
Designation: Registrar
H.N.B. Garhwal University,
HNB GARHWAL UNIVERSITY,
SRINAGAR GARHWAL
Date & Seal: 

Name: 
Designation: 
NIH, Roorkee
Date & Seal: 
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