



NATIONAL MISSION ON HIMALAYAN STUDIES (NMHS)
G.B. Pant National Institute of Himalayan Environment (NIHE)
Kosi-Katarmal, Almora - 263643, Uttarakhand, India

No.: NMHS2024-25/SC-XIII/MG/SL-12

Date: 20/03/2025

E-mail/ Copy by Speed Post
<atuluniyal@srhu.edu.in>

To,

Er. H.P. Uniyal
Swami Rama Himalayan University
Jolly Grant, Dehradun, Uttarakhand

Subject: **Approval of the project entitled "Affordable Climate-resilient Water Supply Infrastructure Prototype for Indian Himalayan Region" for funding under Medium Grant (MG) of NMHS 2024-25-reg.**

Sir,

I am directed to convey the approval of the Competent Authority for the above-mentioned project at a total cost of **Rs. 10,10,00,000/- (Rupees One Crore One Lakh Only)** for a period of **Three (03) years**, as per the break-up given below:

Budget Head	1st year	2nd year	3rd year	Total
(i) Professional Services: * RA-II for 2 Years @61000/-+10%HRA, Field Assistant@20000/- for 2 Year 6 Month fixed, Project Assistant@20000/-for 2 Years fixed, Honorarium to Experts @350000/- for the project period.	832600	1425200	782600	3040400
(ii) Training Expenses:	280000	175000	205000	660000
(iii) Domestic Travel Expenses:	480000	480000	480000	1440000
(iv) Office Expenses: Office Assistant @15000/- fixed for three years, stationery charges, contingency expenses, etc.	500000	355000	348100	1203100
(v) Printing and Publication:-	0	0	100000	100000
(vi) Digital Equipment: 04 Digital Altimeters @1750/-, 02 GPS @24500/-, 03 Digital Flow Meter @18500/-, 05 Digital Rain Gauge @13500/-, 03 Digital Depth Sensors @500/-, 01 Physical Parameter testing probe @14500/-, 05 Brunton com @1100/-, 05 Hammers with soft chisel @1200/-, 02V-Notch @65000/-, 01 Arch GIS Software @50000/-, 01 SPSS Software @160000, 01 Endnote Software @10000/-.	181000	375500	0	556500
(vii) Material and Supplies: Water quality test, Material, Lab Scale testing, Field Scale testing, Laboratory setup, Graded Filter Media.	1625000	1425000	50000	3100000
Grand Total	3898600	4235700	1965700	10100000

* The at-source recovery of Tax Deduction at Source (TDS) should be made as per Income Tax Act 1961 under Professional Services.

2. The approval of the project is subject to incorporation/compliance with the following project-specific remarks/conditions:

- **Collaborate with the Uttarakhand Water Department to secure their agreement for involvement in the project.**
- **Include the comprehensive data/ information in terms of criteria for identification and selection of all disasters-prone areas, including cloud burst, forest fires, etc. towards ensuring the disaster-resilient, climate-resistant water supply.**



- **Specify the Criteria and suitability of prefabrication of the proposed device prototype adequately towards real-time monitoring at the disaster-prone areas.**
- **Specify the feasibility and methodology for the real-time monitoring for all- inclusive disaster-prone areas, based on the local-level parameters.**
- **Scope of Technology transfer should be ensured.**
- **Include model for partnership with line department and tangible parameter of capacity building.**
- **Honorarium to PI is not admissible.**
- A report based on Baseline Data should be submitted by the project proponent in the **1st quarter of the project** since the initiation of the project. Further, the **Periodic Progress Report** of the NMHS Project along with all the supporting data generated under the NMHS Project needs to be submitted and updated on the Online Portal of the NMHS (<http://nmhsportal.org>) by the PI/ Project Proponent on **Quarterly basis** consistently. Monitoring indicators reported for the project should be able to quantify the difference made on ground.
- A Certificate should be provided that this work is not the repeat of any earlier work (as a mandatory exercise).
- The roles and responsibilities of each implementing partners should be delineated properly along with their budget share. The budget allocations to partners should be done in accordance with the MoEF&CC guidelines. The same should be communicated to NMHS-PMU, before start of the project.
- On completion of the project, a debriefing Seminar/ Conference/ Workshop should essentially be organized by the PI/ Proponent to discuss and disseminate the findings among the experts and concerned beneficiaries/stakeholders.
- The project should avoid the printing on paper, instead utilize more digital version of reports and publications preferably. Information dissemination should be done through the E-channels and QR codes, which are easy to operate using mobile phones and similar device.
- Any knowledge products (research/review articles, reports, conference proceedings, conference presentations, technical reports, etc.) emerging from the present project should acknowledge the grant support received from National Mission on Himalayan Studies (NMHS), and refer the specific NMHS Grant no. of the project in all communication.

3. The Project Objectives, Quantifiable Deliverables, and Measurable Monitoring Indicators are as follows:

Project Objectives	Quantifiable Deliverables	Measurable Monitoring Indicators
<ul style="list-style-type: none"> • To design and develop a Low-cost, Climate-resilient, prefabricated source tapping prototype equipped with graded filter purification system tailored to the unique challenges of Tehri, Pauri, Rudraprayag, Chamoli and Uttarkashi. • To pilot test and validate the effectiveness of the developed water supply system in real-world Climate extreme scenarios. • To assess the feasibility, scalability, and economic viability of the system. • To disseminate knowledge and advocate for the adoption of disaster-resilient water supply systems among policymakers and stakeholders. • To improve access to clean drinking water for indigenous 	<ul style="list-style-type: none"> • Engineered prototype of a modular, cost-effective, and climate-resilient water supply system. • Technical specifications and design documentation for large-scale replication. • Implementation of pilot projects in selected villages across the five districts. • Cost-benefit analysis report. • Development of a policy document on climate-resilient water supply solutions. • Three training programs for 150 government officials. • Multi-stakeholder engagement through workshops. • 1,825 people directly benefiting from improved water supply. • Develop the knowledge products: 01 Policy, 01 Patent and 2-3 publications in well-reputed journals. • Five (05) IEC materials and 	<ul style="list-style-type: none"> • Prototypes developed and field-tested. • Performance metrics in different climate stress scenarios. • No. of pilot sites established. • Improvement in water availability and quality indicators. • No. of policymakers and stakeholders trained. • Adoption of recommendations in state water policy. • No. of institutional partnerships established. • No. of villages reached through awareness campaigns. • No. of research papers, technical reports, and policy documents published.

communities in these disaster-prone areas.	distribution in 5 villages.	
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4. The NMHS Grants 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 (GFRs), 2017, 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. A separate ledger is maintained for the purchasing of equipment/Instruments 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 being followed by the Institute as well as regional office/ 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 G.B. Pant National Institute of Himalayan Environment (NIHE), 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. The UC shall be submitted along with up-to-date physical progress report (annual/ half yearly/quarterly) indicating progress made against each objective and quantifiable deliverables, both online on NMHS web portal <http://nmhsportal.org> and offline hardcopy of Annual report *via* speed post, certified by the authorized person, along with data, photographs/satellite pictures, etc. The audited UC through the Third-Party Audit by the Authorized Agency/CA is to be submitted Annually along with the FTR.
 - VII. Assets acquired wholly or substantially out of Government grants shall not be disposed of without obtaining the prior approval of the sanctioning authority of NMHS Grant, and a separate sheet should be enclosed with details of Assets with cost.
 - VIII. 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.
 - IX. 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.
 - X. The NMHS Grant will be spent exclusively in pursuance of the objectives for the project entitled **"Affordable Climate-resilient Water Supply Infrastructure Prototype for Indian Himalayan Region"** as given above and for the purpose it is being sanctioned.
 - XI. The NMHS Grant is subject to the Economy Instruction(s) issued from time-to-time by the Ministry of Finance or by the Competent Authority.
 - XII. The 1st installment of grant (i.e., only **25%** of total project cost) will be released after your acceptance of this NMHS-Sanction Letter along with the Terms and Conditions given in **Annexure-I** and submitting duly signed copy of the Bond to NMHS-PMU in the prescribed format (**Appendix-B**) compliance of all conditions mentioned in this letter, Bond and Annexure-I must be ensured.
 - XIII. The grant should strictly be utilized for project work sanctioned for this project under "National Mission on Himalayan Studies (NMHS)", and the NMHS Grant support should be clearly mentioned in the websites and duly acknowledged in all knowledge products of the Grantee.
 - XIV. **A separate Saving Bank Account should be opened in a Nationalized bank. The same will be mapped into the PFMS under the scheme "National Mission on Himalayan Studies (NMHS), Scheme Code-3493 and Unique Code-0125. The funds will be transferred into the newly opened bank account so that the interest accrued on the same may be tracked and refunded to the NMHS.**
 - XV. The Project commissioned under "National Mission Himalayan Studies-Medium Grant" would be for the **tenure of three (03) years from the date of release of the 1st installment**. There should not be any time and cost overrun in the NMHS-granted project.

- XVI. As per the directive of the Govt. of India, the implementing agency must be registered in **Public Financial Management System (PFMS)**. All transactions should be done through PFMS Portal only for transparency and accountability of the Govt. grant.
- XVII. All the purchases/services should be made mandatorily through GeM, strictly following the provision of rule 149 of GFR-2017 and procurement manual for purchase of goods.
- XVIII. After the 1st installment (i.e., only 25% of the total project cost), the second and subsequent installment will be released only after utilization of 75% of the installment released, under respective Budget Head. While submitting the demand for 2nd and subsequent installment, the bills/Vouchers in original will be provided by the proponent. The Annual UC & SOE as per the provision of GFR 238(1) will be submitted by the proponent to the NMHS-PMU.
6. Please send your acceptance with the Terms & Conditions of this NMHS-Project Grant Sanction Letter so that the funds may be released without any further delay.
7. Please send your acceptance with the Terms & Conditions of this NMHS-Project Grant Sanction Letter, so that the funds may be released without any further delay.
8. Please note that following documents must be submitted before the start of the project activities.

(i) Quotations for the equipment/ instruments to be procured.

(ii) Roles and responsibilities of the partners with the budget allocated to each of them.

(iii) Original Copy of Bond (Rs. 100 Stamp Paper) duly signed by authorized person of grantee.

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

Yours Sincerely,



Er. MS Lodhi
Scientist-'F' & Nodal Officer
NMHS-PMU, GBP NIHE HQs

Copy to:

1. Registrar, Swami Rama Himalayan University, Swami Ram Nagar, Jolly Grant, Dehradun, Uttarakhand
2. Dr. Susan George K, Scientist- 'E', CS-I (Mountain) Division, Agni Wing, 5th Floor, Indira Paryavaran Bhawan, Ministry of Environment, Forest & Climate Change (MoEF&CC), Govt. of India, Jorbagh Road, New Delhi 110003
3. The Director, G.B. Pant National Institute of Himalayan Environment (NIHE), Kosi-Katarmal, Almora, Uttarakhand-263643
4. The Finance Officer, G.B. Pant National Institute of Himalayan Environment (NIHE), Kosi-Katarmal, Almora, Uttarakhand-263643
5. The Principal Director of Audit, Scientific Department, AGCR Building, IP Estate, New Delhi-110002
6. Project File – NMHS-PMU.

