



**G. B. PANT NATIONAL INSTITUTE OF HIMALAYAN ENVIRONMENT,
KOSI-KATARMAL, ALMORA 263643 (UTTARAKHAND)**

Applications are invited for following purely temporary positions of consultant at Kosi-Katarmal (Almora) campus of the Institute. Candidate having appropriate qualifications in relevant subject/specialization with consistently good academic records and experience may send their application form in the prescribed format (**Annexure-I**) with all supporting documents (i.e. educational, experience etc.) to the undersigned by email (recruitment-project@gbpihed.nic.in) on or before 5:00 PM on 17.03.2024. It is essential to mention the name of project and position applied for and post code number in the subject area of mail. Application in the prescribed format will only be accepted. The shortlisted candidates will be informed separately about date of interview.

S.No.	Position (No.)/ Emoluments/ age	Essential Qualification	Specialization/ Desirable qualification	Nature of Duties & responsibilities
Task 1. Multi-Hazard Risk Assessment of Glacier Induced Hazards and Disasters in Indian Himalayan Region (As per ToR at Annexure-II)				
1.	Consultant 'C' [i.e., Sr. Scientific Fellow] Emoluments: Rs. 1,00,000/- per month (fixed) as per rules Age Limit: 65 years	First class Master degree in Glaciology/ Geology/ Disaster Management/ Climate Change/ Geography/ Water resource management/ relevant subjects Or First class Bachelor degree in related fields of Engineering With 10-15 years working experience in the Himalayan region on related areas	1. Specialization on Quaternary Geology and Himalayan Environmental geology 2. Experience of policy analysis, policy documentation & documentation of state of art knowledge 3. Experience of coordinating in developing projects in desired fields 4. At least 05 years working experience 5. Experience of Remote Sensing/ Geographical Information Science in hazard risk assessment 6. High quality writing & communication skills 7. Good quality/ peer reviewed publications	Assessment of multi- hazard risks of glacier and associated disasters Developing disaster resilience action plan Policy analysis, peer reviewed publications, position paper & documentation Development of coordinated project proposal for extramural support Coordination & team building Scope of work: IHR

Cont/-.....



Task 2. Environmental and Socio-Ecological Impacts of Natural Disasters and Hazards in Eastern Himalayan Region (As per ToR at Annexure-III)				
2.	Consultant 'B' [i.e. Scientific Fellow] Emoluments: Rs. 80,000/- per month (fixed) as per rules Age Limit: 65 years	First class Master degree in Environmental studies/ Climate Change/ Disaster Management/ Environmental economics / Economics/ Geology/ Geography/ Remote Sensing/ GIS Or First class Bachelor degree in related fields of Engineering With 5-10 years working experience in the Himalayan region on related areas	1. Specialization in Environmental impacts studies 2. Experience of socio-Ecological impact studies 3. Experience of RS & GIS and remote sensing application for mapping, risk assessment and modelling w.r.t. hazard 4. Experience of policy analysis, policy documentation & documentation 5. At least 03 years working experience 6. Good writing & communication skills and publication record	Analysis of state of art knowledge, gaps and policies Environmental and socio-economic-ecological impacts assessment Mapping and monitoring of hazard zonation and modelling for scenario building Data collection, survey, report writing, policy brief, peer reviewed publications

General Instructions:

1. Minimum requirements of qualifications and/or experience can be relaxed in respect of exceptionally outstanding candidates. The Institute reserves the right to increase or decrease the number of positions, to fill up or not to fill up any or all the posts or to shortlist and select the candidates in any suitable position depending upon the qualification and experience required for the said post.
2. Candidates must bring original documents pertaining to their educational qualifications & experience along with one set of photocopies. **The experience will not be considered without an experience certificate.**
3. The selected candidate(s) are expected to join immediately.
4. The selected candidate is liable to be posted anywhere in India.
5. No TA/DA shall be paid for attending the Interview.
6. Institute reserve the right to disengage the manpower at any time without assigning any reasons thereof.
7. The engagement is purely temporary in nature.
8. In case of any dispute/ambiguity that may occur in the process of selection, the decision of the Institute in all matters relating to eligibility, acceptance or rejection of applications, mode of selection, and the conduct of examination/ interview will be final and no query or correspondence will be entertained in this connection from any individual or his/her agency.
9. Canvassing in any form will be treated as disqualification.

Administrative Officer

[Signature]
16/2/24

**G B Pant National Institute of Himalayan Environment
Kosi-Katarmal, Almora-263643, Uttarakhand**

APPLICATION FORM

1. Post Applied for:

2. Name:

3. Father's Name:

4. Date of Birth:

5. Domicile:

6. Nationality:

7. Mailing Address (with Telephone/ Mobile No. and e-mail address):

8. Permanent Address:

9. Educational Qualification:

S. No.	Course	Subject	University/ Institute	Year of Passing	Division/ Class

10. Work Experience:

S. No.	Organization/ Institute	Period From----- To	Name of Work	Remarks

11. Any other information:

Signature

Terms of Reference for engagement of Consultant 'C' [i.e., Sr. Scientific Fellow]

1. Precise Statement of Objectives:- (Disciplines or the domains where engagement of consultants is required should be indicated)

Multi-Hazard Risk Assessment of Glacier Induced Hazards and Disasters in Indian Himalayan Region

2. Outline of the tasks to be carried out:- (Details of work required to be carried out/specific tasks/activities to be assigned to Consultants should be indicated)

- In-depth systematic review of existing disaster resilience action plans, region-specific problem analysis, guidelines on multi-hazard risk assessment
- Devising approach for systematic and integrated multi-hazard risk assessment
- Analysis of good/best practices of resilience building in the context to Himalayan region.
- Validation of integrated multi-hazard risk assessment approach through inclusiveness and multi-stakeholder consultation/ inputs
- Devising scoping study for IHR on integrated multi-hazard risk assessment w.r.t Glacier induced Hazards and Disasters in selected states / regions
- Develop coordinated project proposal(s) on regional issues in coordination with faculty of the Institute
- Undertake a pilot study on assessment of multi-hazard risks of glacier and associated disasters
- Analysis of existing policies to enhance resilience of communities to climate induced natural hazard w.r.t mountain perspective
- Preparation of Disaster resilience action plan for selected states
- High resolution multi-hazard zonation mapping of selected study sites/ states
- Associated vulnerability and risk assessment
- Develop draft disaster resilience action plan and suggestive measures to increase resilience
- Vulnerability assessments of the hazard prone areas taking into account multiple dimensions, such as income inequality, gender inequality, governance, and national/ state level priorities.
- Suggestive approach/ strategy cum action plan on strengthening the village level institution towards mitigating impacts through Green and resilient infrastructure.
- Identification of issues and challenges in management of multi-hazards in Himalayan context and develop strategy to integrate DRR or disaster resilience plan with climate change adaptation
- Assessment of role of disaster risk financing and insurance instruments in disaster resilience plan.
- Dissemination of outcome of the study to diverse stakeholders for policy advocacy

3. Schedule for completion of tasks:- (This should be framed in such a manner that both the time frame for the jobs as well as the deliverables are clearly identified and are amenable to periodic monitoring over the duration of the assignment.)

Time of Reporting: Quarterly Report submitted after every three months to the PI and Co-PI. Annual Progress Report submitted completion of one year to the PI and Co-PI.

The Annual Progress Report (APR): The Annual Progress Report (APR) of each year will be reviewed and after evaluation of project APR the extension of next one year will be considered. The maximum period of the project is Three Years.

Year	Schedule/ Timeline	Broad Task/Activities	Deliverables/ outcomes
	Q1- Q2	<ul style="list-style-type: none"> In-depth systematic review of existing disaster resilience action plans, region-specific problem analysis, guidelines on multi-hazard risk assessment 	Interim report, analytical review and gap analysis. Problem analysis report highlighting key issues & challenges
		<ul style="list-style-type: none"> Devising approach for systematic and integrated multi-hazard risk assessment Analysis of good/best practices of resilience building in the context to Himalayan region. 	<ol style="list-style-type: none"> Draft framework for integrated multi-hazard risk assessment Compendium of good practices on enhancing resilience in IHR.
	Q3- Q4	<ul style="list-style-type: none"> Validation of integrated multi-hazard risk assessment approach through inclusiveness and multi-stakeholder consultation/ inputs Devising scoping study for IHR on integrated multi-hazard risk assessment w.r.t Glacier induced Hazards and Disasters in selected states / regions Develop coordinated project proposal(s) on regional issues alongwith faculty of the Institute 	<ol style="list-style-type: none"> Finalization of comprehensive and inclusive Framework Concept note developed
II	Q1-Q2	<ul style="list-style-type: none"> Undertake a pilot study on assessment of multi-hazard risks of glacier and associated disasters Analysis of existing policies to enhance resilience of communities to climate induced natural hazard w.r.t mountain perspective Preparation of Disaster resilience action plan for selected state 	<ol style="list-style-type: none"> Maps of selected study sites/ states Policy brief/ document Draft disaster resilience action plan for selected state
	Q3-Q4	<ul style="list-style-type: none"> High resolution multi-hazard zonation mapping of selected study sites/ states Associated vulnerability and risk assessment 	<ol style="list-style-type: none"> High resolution vulnerability and risk maps Annual Report Peer reviewed publications
III	Q1- Q2	<ul style="list-style-type: none"> Undertake a pilot study on assessment of multi-hazard risks of glacier and associated disasters Develop draft disaster resilience action plan and suggestive measures to increase resilience Vulnerability assessments of the hazard prone areas taking into account multiple dimensions, such as income inequality, gender inequality, governance, and national/ state level priorities. 	<ol style="list-style-type: none"> Comprehensive disaster resilience action plan. Vulnerability and risk assessment of the selected states/sites. Draft disaster resilience action plan for selected state
		<ul style="list-style-type: none"> Suggestive approach/ strategy cum action plan on strengthening the village level institution towards mitigating impacts through Green and resilient infrastructure. 	<ol style="list-style-type: none"> Strengthening community institutions
	Q3-Q4	<ul style="list-style-type: none"> Identification of issues and challenges in management of multi-hazards in Himalayan context and develop strategy to integrate DRR or disaster resilience plan with climate change adaptation Assessment of role of disaster risk financing and insurance instruments in disaster resilience plan. Dissemination of outcome of the study to diverse stakeholders for policy advocacy 	<ol style="list-style-type: none"> Document on disaster risk financing and insurance, DRR - disaster resilience plan addressing NDCs, SDCs, and national goals Policy brief. Policy level advocacy Peer reviewed publications Final Technical Report

4. The support of inputs to be provided by GBPNIHE to facilitate the Consultancy:- (Officer who will provide guidance to the consultant and to whom reporting is to be done should be specified here).

- Opinion, inputs and timely advice will be provided on regular basis to facilitate the Consultancy.

5. The final outputs, which shall be required of the Consultant at the end of the consultancy period, should be specified.

- Detailed list of final outputs on annual basis is given under point number 3.

Terms of Reference for engagement of Consultant 'B' [i.e., Scientific Fellow]

1. Precise Statement of Objectives:- (Disciplines or the domains where engagement of consultants is required should be indicated)

Environmental and Socio-Ecological Impacts of Natural Disasters and Hazards in Eastern Himalayan Region

2. Outline of the tasks to be carried out:- (Details of work required to be carried out/specific tasks/activities to be assigned to Consultants should be indicated)

- Analysis of state of art knowledge, gaps and policies
- Comprehensive database of various disasters associated environmental and social impacts, damages and losses.
- Identify drivers for assessment of Environmental and Socio-Ecological Impacts of Natural Hazards and Disasters
- Devising framework for environmental and social-ecological impacts- validation through multi-stakeholder assessment and consultation
- Framing study for NEH on Environmental and Socio-Ecological Impacts of Natural Hazards and Disasters in coordination with faculty of the Institute
- Mapping of floods, flood zones, other Natural Hazards and their impacts (associated multi-hazards and disasters)
- Vulnerability assessments/ mapping for communities, zones, critical infrastructure.
- Assessment of impacts on Environment/critical ES
- Assessment of Socio-Ecological impacts (Agriculture, human health, livestock, etc)
- Estimation of economic cost of floods and other hazards; econometric analysis of losses and adaptation. mitigation costs
- Scenario based analysis, modelling and simulation exercise for identification of probable areas
- Critical evaluation of existing flood and hazard management systems
- Remedial measures/ adaptation and mitigation strategy to reduce vulnerability and enhance resilience based on the analytical work - policy recommendations, and informed policy planning.

3. Schedule for completion of tasks:- (This should be framed in such a manner that both the time frame for the jobs as well as the deliverables are clearly identified and are amenable to periodic monitoring over the duration of the assignment.)

Time of Reporting: Quarterly Report submitted after every three months to the PI and Co-PI. Annual Progress Report submitted completion of one year to the PI and Co-PI.

The Annual Progress Report (APR): The Annual Progress Report (APR) of each year will be reviewed and after evaluation of project APR the extension of next one year will be considered. The maximum period of the project is Three Years.

Year	Schedule/ Timeline	Broad Task/Activities	Deliverables/ outcomes
I	Q1-Q2	<ul style="list-style-type: none"> Analysis of state of art knowledge, gaps and policies. Comprehensive database of various disasters associated environmental and social impacts, damages and losses. 	<ol style="list-style-type: none"> Comprehensive report on status, gaps and policies Database of natural hazard, disasters and impacts Compendium on impact assessment studies
		<ul style="list-style-type: none"> Identify drivers for assessment of Environmental and Socio-Ecological Impacts of Natural Hazards and Disasters Devising framework for environmental and social-ecological impacts- validation through multi-stakeholder assessment and consultation 	<ol style="list-style-type: none"> Methodological framework and guidelines for assessment of impacts
	Q3-Q4	<ul style="list-style-type: none"> Framing study for NEH on Environmental and Socio-Ecological Impacts of Natural Hazards and Disasters in coordination with faculty of the Institute 	<ol style="list-style-type: none"> Position/ working Paper on environmental and socio-economic dimensions of natural hazards Action plan for impact study
	Q1-Q2	<ul style="list-style-type: none"> Mapping of floods, flood zones, other Natural Hazards and their impacts (associated multi-hazards and disasters) Vulnerability assessments/ mapping for communities, zones, critical infrastructure. 	<ol style="list-style-type: none"> High resolution flood zonation maps. Assessment of change in environmental socio-ecological dynamics High resolution vulnerability and risk maps.
II	Q3-Q4	<ul style="list-style-type: none"> Assessment of impacts on Environment/critical ES Assessment of Socio-Ecological impacts (Agriculture, human health, livestock, etc) Estimation of economic cost of floods and other hazards; econometric analysis of losses and adaptation. mitigation costs 	<ol style="list-style-type: none"> Impact analysis - spatial analysis on impacts on environmental and socio-ecological ES Policy brief/ document. Annual Report Peer reviewed publications
	Q1-Q2	<ul style="list-style-type: none"> Scenario based analysis, modelling and simulation exercise for identification of probable areas 	<ol style="list-style-type: none"> Futuristic scenarios analyses for possible multi-hazards
III	Q3-Q4	<ul style="list-style-type: none"> Critical evaluation of existing flood and hazard management systems Remedial measures/ adaptation and mitigation strategy to reduce vulnerability and enhance resilience based on the analytical work - policy recommendations, and informed policy planning. 	<ol style="list-style-type: none"> Policy recommendations for multi-hazards adaptation and management addressing NDCs, SDCs, and national goals Policy brief Policy advocacy Peer reviewed publications Final Technical Report

4. The support of inputs to be provided by GBPNIHE to facilitate the Consultancy:- (Officer who will provide guidance to the consultant and to whom reporting is to be done should be specified here).

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