

## NMHS Fellowship Guidelines and thematic Areas

### A. General Guidelines:

1. The Institutions/organization already awarded fellowships in 2015-16 will not be considered for fellowships in current year.
2. Special focus will be on unrepresented IHR states especially the North-eastern Himalaya, so preference will be given to the Fellowship proposals from such areas.

### B. Indicative list of identified Thematic Areas of Work (TAW) to be covered under NMHS Fellowships.

S.No.	Broad Thematic Groups	Thematic Areas of Work	
1.	Sustainable management of land and water resources	1.	Conservation, sustainable use and equitable benefit-sharing arising out of natural resources utilization.
		2.	Water Management and soil conservation including recharge of groundwater, aquifers, etc.
		3.	Study/ Inventory of Springs/ River systems in the IHR.
		4.	Wetlands
		5.	Restoration/ Regeneration of pastures and grasslands, and Study of permafrost.
		6.	Natural resources accounting.
		7.	Issues related to key resources sharing at local, upstream, downstream and transboundary scales.
2.	Environmental assessment & management	1.	Long-term ecological/Environmental monitoring.
		2.	Carrying capacity and Product life cycle analyses.
		3.	Sustainable tourism including Eco-tourism.
		4.	Waste management including management of hazardous substances.
		5.	Role of traditional institutions in environment protection and development, ecological implication of migration/ depopulation of villages.
		6.	Natural and man-made disaster risk reduction,

			Cloud burst, Glacial Lake Outburst Flood (GLOF) and Flash Flood studies.
3.	Conservation and sustainable use of biodiversity	1.	Conservation of genetic resources of rare, endemic, threatened and globally significant flora and fauna including agro-biodiversity (on-farm and off-farm conservation).
		2.	Invasive alien species (IAS).
		3.	Multi-purpose trees and other flora: their biology and uses, ecotone studies, especially the timberline ecotone, and pilots for Payment for Ecosystem Services (PES)/reflecting ES in developmental agenda.
		4.	Non-Timber Forest Products (NTFPs), medicinal and aromatic plants, and other high value niche products from the region.
4.	Sustainable infrastructure & energy security	1.	Environmental compatibility of infrastructure development including border roads and climate resilience of core infrastructure and basic services delivery assets, dam and road building.
		2.	Energy efficiency, conservation, technology development, geothermal energy, heat pumps.
		3.	Strengthening of the existing institutions in the region.
		4.	Sustainability issues of urban agglomerations (sustainable urbanization).
5.	Supplementary livelihood options	1.	Supplementary livelihood options for local communities and other rural population, market linkages.
		2.	Various facets of Organic Agriculture including value-addition, scientific shifting-cultivation, human-wildlife conflict, geographical indications, etc.
6.	Awareness and capacity building	1.	Options for education, awareness and outreach.
		2.	Human capacity building including promotion of micro-enterprises and green technologies.