National Mission On Himalayan Studies

PERFORMA FOR THE HALF YEARLY PROGRESS REPORT
(Period from May to November 2017)

Project Title -: **Survey and Mapping of Medicinal and Aromatic Plants (MAPs) and other RET/NTFPs from alpine regions of Uttarakhand and Developing Uttarakhand- Alpine Information System (UK-AIS)**

Sanction No. and date -: NMHS/SG-2016/009 Dated: 31-03-2016
Institution Name-: Uttarakhand Space Application Centre (USAC), Dehradun
Personal Details

Name and Address of the PI-:
Dr. Gajendra Singh
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Name and Address of the Co PI-:
Mr. Shashank Lingwal
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Partner Details-:

Sl No.	Name/ Address	Work Assigned to partners	Fund allocated to partners during the period
1.	Uttarakhand State Biodiversity Board (UKSBB)	1. Development of Biodiversity Management committee (BMC) in identified villages, 2. Training about the Access and Benefit Sharing (ABS) mechanism. 3. Preparing the People Biodiversity Registers (PBR).	Support in terms of kind, UKSBB has expertise in developing BMCs and training local communities for Access and benefit sharing mechanism, whereas USAC will provide the basic information of the villages.

Project Objectives -:

1. To assess the distribution and abundance of commercially important MAPs, RET (rare, endangered and threatened) and NTFPs from alpine regions of Uttarakhand
2. To generate a spatial distribution and abundance database and ecological characteristics of MAPs for alpine region,
3. To develop web-based Uttarakhand Alpine Information System (UK-AIS),

4. To evolve strategies for sustainable harvest, future monitoring and conservation of medicinal and aromatic plants.

Completion in the last six months in % (According to each Deliverables)-:

Sl No.	Quantifiable Deliverables (as per sanction letter)	Output/ achievements	Performance in terms of Monitoring indicators	Remarks
1.	Distribution and density maps (low, mid and high densities) of MAPs.	Distribution and abundance of commercially important MAPs/RETs and NTFPs from the alpine region of more than 20 meadows have been completed in Pithoragarh District. **(30% field work is completed).** Detailed analysis of data is in progress.	Web-based Online Information System of Distribution and Abundance Patterns of Commercially important MAPs, RETs and NTFPs from the Alpine regions of Uttarakhand.	**In the first step regress field information will be collected to find out the distribution and abundance of MAPs in the entire Alpine region of Uttarakhand. Later on Web-based online information system will be developed.**
2.	Minimum of two CDH (conservation, develop and harvest) plans, each for Kumaon and Garhwal region will be developed.			
3.	Web-based information system comprising of current and past data sets.			

Summary of progress -: (with in 200 words)

The project is being implemented following a systematic approach:

The project began with the appointment of dedicated field team. The team included one Junior Project Fellow having specialization in Plant Taxonomy and a field assistant having extensive work experience of Himalayan region. Identification and establishing linkages and partnership with key institutions/ individuals was initiated through networking and meetings (i.e.

Uttarakhand Forest Department, local NGOs). After having a critical review of literature and based on past experience of working in the Himalayan region preliminary maps were prepared and a methodology was defined to execute the field based survey. Extensive field survey was conducted in more than 20 alpine meadows (*i.e.* Byans, Darma, Ralam and Milam valleys) of Pithoragarh district during July to October 2016. The list of available MAPs, their abundance and status of livestock availability was estimated. The detailed analysis of the work is in progress.

A steering committee is also formed to review the progress of the project as and when required. The committee includes expert members from Wildlife Institute of India (WII) Dehradun, Indian Institute of Remote Sensing (IIRS), Dehradun, High Altitude Plant Physiology Research Centre (HAPPRC), Shrinagar, Garhwal, GB Pant Engineering College, Pauri-Garhwal and Kumaun University, Nainital.

Supporting data files/ maps/ tables/ figures of the results to be attached. **Nil**

Name of the PI-: **Dr. Gajendra Singh**

Signature -:
Date-: 30/11/2016