

National Mission On Himalayan Studies

PERFORMA FOR THE HALF YEARLY PROGRESS REPORT

(Period from June to November 16)

Project Title:- “Enhancing livelihood of Himalayan communities through action research and transforming wild produce into high value products”

Sanction No. and date:- NMHS/MG-2016/009/8505-6

31-03-2016

Institution Name:- Uttarakhand State Council for Science and Technology (UCOST)

Personal Details:-

Name and Address of the PI:-

Dr. Rajendra Dobhal

Director General

Uttarakhand State Council for Science and Technology (UCOST)

Dehradun

Uttarakhand

Partner Details:-

S.No.	Name/Address	Work assigned to partners	Fund allocated to partners during the period
1	Uttarakhand State Council for Science and Technology (UCOST), Dehradun	To provide its institutional support, scientific inputs, linkages and assistance in developing linkages with renowned technical institutions and labs for research development and analysis purposes.	Rs. 1,11,52,000 (For 1 st Year)
2	Himalayan Action Research Centre (HARC)	Undertake the interventions at grassroots level with communities and technical institutions for livelihood promotion.	Rs. 43,99,200 (1 st Installment)

Project Objectives-:

- To undertake action research and convert low value wild produce into high value commercially viable product
- To use traditional knowledge and promote high value products thereby benefitting both rural communities specially women and consumers
- To establish successful community model that is replicable and promote sustainable use of natural and wild produce of Himalayan range to resist the climate change.

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

S.No	Quantifiable Deliverables (as per sanction letter)	Output/achievements	Performance in terms of Monitoring indicators	Remarks
1.	Manpower: 1. Senior Program Manager 2. Food technologist 3. Manager (MIS) 4. Manager (Market development) 5. Para technician/SPF	Recruited on 15 th July 16 Recruited on 1 st August 16 Recruited on 5 th Sept 16 Recruited on 15 th July 16 Recruited on 1 st August 16	Monthly progress report and individual action report as well as combined progress report were submitted to PMU at Kaleshwar centre / HARC centre	All the respective posts have been filled and manpower is working as per the well-defined roles and responsibilities assigned from the field area to lab
2.	Travel	<ul style="list-style-type: none"> ➤ One visit to Nauni university , Solan ➤ One meeting held in Mussoorie for understanding and over view the of project visit to Delhi ➤ 6 visits to Kaleshwar centre Chamoli ➤ One visit to Kolkata 	Developing institutional relationship and transfer of knowledge Developed better link & better understanding of project as well as its proceedings Monitored the present machines and required machines in CFC Kaleshwar, system establishment for product development and over viewing the progress. Monitored the working & purchasing of cold oil press machines	Linkages development with library for transfer of knowledge (collection of reference papers and e-books) Better understanding of project among the team members System has established and proper working has been started. Oil press machine was finalized

3.	Contingencies	<ul style="list-style-type: none"> • 3 Computers • One laptop • 4 computer table with 5 chairs • One rack • 5 pen-drives were purchased 	Continuous Monitoring and documentation of the project.	-
4.	Activities and other project cost	<ul style="list-style-type: none"> • Two primary survey was done , one in Joshimath region and other in Karanprayag and Ghat block region • One survey of Rudraprayag region is ongoing. • Chemicals and glass wares are purchased. • Other necessary equipments for product development and storage were also procured. • Raw produce (173 kg of apricot, 200 kg of sweet apricot kernel, 135 kg of hazelnut, 73 kg of walnut, 17 kg of hard walnut, 38 kg of Mehal and 15 lit of Sea-buckthorn) was procured. • SOP's and charts were designed for product development and analysis 	<p>Tour plans and survey report submitted to PMU at Kaleshwar centre/ HARC centre.</p> <p>Quotations and purchase order along with the bill submitted in accounts department of Kaleshwar centre /HARC, Dehradun.</p> <p>Bills submitted and stock entered in raw produce register.</p> <p>Submitted to PDL laboratory of CFC Kaleshwar as well as copy submitted to HARC library</p>	<p>Complete analysis of production zone, current supply chain and surplus production of respective 16 Stone fruits, Nuts, and Berries.</p> <p>Physicochemical analysis of raw produce has been started. Proper reporting and processing protocol established.</p> <p>Initial sensory and storage study has been started. Products to be developed are designed.</p> <p>Standard proceedings are followed by the team.</p>
5.	Equipments	<ul style="list-style-type: none"> • Automatic conveyor sealer • Fruits and vegetable dryer Machine • Fruit and vegetable washing machine • Inkjet batch coding machine • Vacuum packaging machine • Oil press machine • Nut decorticator • Weighing scale • Stainless steel trays 	<p>Installed</p> <p>Purchased</p> <p>Installed</p> <p>Installed</p> <p>Installed</p> <p>Ongoing process</p> <p>Ongoing process</p> <p>Ongoing process</p> <p>Ongoing process</p>	

Summary of progress -: (within 200 words)

After recruitment of the project staff, the survey of three blocks of Chamoli district (Joshimath, Karanprayag, Ghat block) was done in order to study the productivity of wild fruits, nuts and berries. Out of which overall 43 villages were selected and 3316 households were surveyed for the analysis of production zone, current supply chain and surplus production of Stone fruits, Nuts, and Berries. System establishment was done in CFC Kaleshwar centre. Most of the equipments required for the smooth running of the project were ordered and installed at the site office at Kaleshwar, except oil press machine, which is under process and will be completed by the end of December. Purchasing of chemicals and glass wares and other necessary things for the product development including ingredients and small equipments was accomplished. Raw material according to the seasonal availability was procured for example, Apricot (173 kg), Walnut (73 kg), Hazelnut (135 kg), Walnut hard (17 kg), Mehal (38 kg) and Sea-buckthorn (10 kg). Storage study and analysis is under progress. Visit to oil press machine industry (Kolkata) was done in order to monitor the working and design of oil press machine. SOP's and charts for physicochemical analysis and transportation of wild nuts, fruits and berries were prepared. Synopsis for Handbook was also prepared.

Supporting data files/ maps/ tables and figures of the results attached as Enclosure 1 & 2

Name of the PI-: **Dr. Rajendra Dobhal**

Signature-:

Date-: 25-11-2016