

Project sanctioned by NMPB

1. Title of the Project.: Development of National Herbal Garden for Pharmacopoeial Species

Total cost: **2,95,22720/-**

Project period: **05 years**

Date of Commencement of Project: 24.05.2023

Summary of the project

The project is aimed to develop a National level live repository of source plants of ASU&H Pharmacopoeial single drugs at available land area of PCIM&H for the demonstration purpose and to function as a knowledge center for the entire community of the ASU&H systems of medicine. As a part of the project as much as species of medicinal plants used in ASU&H systems of medicine will be introduced and will be maintained in the garden with proper display boards. Besides, for the infrastructure development of the garden development of the garden walking trails, land scaping will be established, thematic groups of plants (such as Nakshtra vatika, Navagraha van etc) will be set, organic cultivation unit will be developed. A Polyhouse (sophisticated green house) with controlled environmental condition will also be established for the conservation of rare, exotic and high-altitude medicinal plants. Kiosk units with touch screen facility will be installed to provide information about the garden and its plants to the visitors. The garden will be serve as a source of authentic Botanical Reference Standard for the inhouse purpose and also to make available to the stake holders for their quality control purpose.

2. Title of the Project.: Establishment of Raw Drug Repository for Pharmacopoeial Single Drugs/Regional Raw Drug Repository (Gangetic plain region)

Total cost : 05 Crores

Period: 05 years

Date of Commencement of Project: 24.05.2021

Summary of the project

In the proposed project,500 drugsof plant origin which are used in ISM&H systems of medicinehave been selected for establishing the repository. The drugs will be collected from three different states and will be processed dried and stored using proper standard methods. Plant material of the source plant will also be collected with GPS data for the herbarium.The work covering the deliverables forall the single drugs will be carried out in PCIM&H. The Regional Raw Drug Repository and herbarium will be established in PCIM&H for these Pharmacopoeial single drugs. Timely submission of half yearly report, final report etc. and

other work related to co-ordination with NRDR, development of Database, Virtual herbarium and Raw drug repository will be developed in PCIM&H. The other activities in the project will be the Pharmacognostic study involving the organoleptic macro-microscopic and powder study and Phyto-chemical study including Physico-chemical studies, chemical analysis by HPLC/HPTLC/GC and determination of pesticide residue, aflatoxins, microbial load and heavy metals which will help to attain the expected outcome of the project such as to act as accredited Repository of Reference Standards for authenticated Pharmacopoeial raw drugs, a model centre for availability of certified Reference Standards of drugs for the stake holders, a centre for documentation and digitization of information on Raw Drugs used in ISM&H system and make it available to the stake holders and a centre for conducting Capacity building and orientation training programmes to create general awareness related to quality raw drugs.