

Quality Planting Material

Some plants, despite their long realized immense medicinal importance have not been as yet given suitable attention for sustained large scale commercial cultivation. One of the major underlying reasons behind the slow progress in commercial cultivation of important medicinal plants (MPs) is the lack of their quality planting material (QPM) production. Indian farmers in this regard, though they are nevertheless interested to go for large commercial cultivation of these plants, often become unable to do so due to lack of information on the improved agro-techniques for the quality planting material production in medicinal plants. While sustained global demand for even the raw produces (dry biomass) of medicinal plants and the profitability from their commercial cultivations are now and again motivating crop growers in the country to grow them more, the lack of genetically upgraded planting material (ie. homogeneous planting material) often leads the crop growers into sheer frustrations. The lack of homogeneous planting material indeed, usually results in instability in productivity and quality of medicinal plants. Therefore, it is of urgent need to produce quality planting material of MPs for sustained production and supply of raw material to the phyto-pharmaceutical industries.

NMPB provides the financial assistance to developed Nurseries and Quality Planting Material / Germ Plasm Banks as per operational guidelines of NMPB mentioned in Central Sector Scheme of NMPB.

Activities

Support for establishing nursery as a part of any project proposal will be provided.

Norms of Assistance

For creation of nursery covering an area of 1 ha Rs. 6.25 Lakhs per unit to be given in two instalments. The assistance will be to the extent of 100% to public sector/SHGs and 50% of the cost subject to a ceiling of Rs.3.125 Lakhs in private sector. The nursery will have appropriate infrastructure facility (Net house, beds, vermi-compost, signage, irrigation system etc.) to hold 50,000 to 70,000 plants. The organization must have a sustainability plan.

Submission of Proposals

Eligible Organizations can apply to NMPB where the proposal will go through scrutiny by the Project Screening Committee (PSC) before approval by Standing Finance Committee (SFC).

Format for submission of Proposals

- **QPM / Germ plasm projects (based on R & D) – Annexure-IV**
- **QPM / Germ plasm Projects (based on Conservation) –Annexure-III**
- **Nursery Projects – Annexure-V**

OPM / Germ Plasm Projects (based on R & D) – Annexure-IV, CSS Guideline of NMPB

**National Medicinal Plants Board
Ministry of AYUSH**

**Proforma for submission of Project proposals on Research, Technology
Development and Quality Assurance**

(To be filled by the applicant)

Part I: GENERAL INFORMATION

1. Project Title:.....
2. Name of the Institute/University/Organization submitting the Project Proposal:
.....
3. State:
4. Status of the Organization (University/Public /Govt. Aided/ Pvt. Sector/NGO):
.....
5. Registration No. with date and PAN / TAN/ TIN Nos. :
.....

(The NGOs and Companies will be required to submit their Articles of Association, Memorandum of Association and Annual reports with audited records of last 3 Years)

6. Name and designation of the Executive Authority of the Institute/University forwarding the application:
7. Category of the Project (Please tick):R&D/ Technology development/ Quality Assurance/ others
8. Specific Area/ Field of project:
9. Name(s) of plant species to be studied
10. Duration:Years.....
11. Total Cost (Rs.)
12. Details of projects supported earlier by NMPB (whether completed/ not completed) with details of equipment acquired.
13. Is the project Single Institutional or Multi-Institutional (S/M):
14. If the project is multi-institutional/ Network mode, please furnish the following:

Name of Project Coordinator and participating institutes with complete address and responsible person (PI of the leading partner shall act as the project coordinator):

Affiliation:

Address:

15. Scope of application indicating anticipated product and processes

16. Deliverables and outcome anticipated.

17. Project Summary with keywords (Not to exceed one page. Please use separate sheet).

PART II: PARTICULARS OF INVESTIGATORS

(One or more co-investigators are preferred in every project. Inclusion of co investigator(s) is mandatory for all the project)

18. Principal Investigator:

Name:

Date of Birth: Sex (M/F):

Designation:.....

Department:

Expertise/ Area of research interest of PI:

Institute/University:.....

Address:

.....PIN:.....

Telephone:..... Fax:.....

E-mail:.....

Mobile No.:

Number of research projects (along with details) being handled at present:.....

Work done (Competence of PI in specific area proposed)

19.1 Co-Investigator - 1: (same details as for the Project Investigator)

19.2 Co-Investigator - 2 (Same details as for the Project Investigator)

PART III: TECHNICAL DETAILS OF PROJECT
(Under the following heads on separate sheets)

20. Introduction (not to exceed 2 pages or 1000 words)

18.1 Origin of the proposal

18.2 (a) Rationale of the study supported by cited literature (b) Hypothesis (c)

Key questions.

18.5 Current status of research and development in the subject (both

International and National status)

18.6 The relevance and expected outcome of the proposed study

18.7 Translational potential of Research findings, any potential outcome/
result is expected.

18.8 Preliminary work done so far

21. Specific objectives (should be written in bulleted form, a short paragraph indicating the methods to be followed for achieving the objective and verifiable indicators of progress should follow for each specific objective)

22. Work Plan: should not exceed 3-4 pages (the section can be divided according to the specific aims and under each specific aim, the following should be stated clearly as sub headings with relevant flow chart).

22.1 Work plan/ Time lines (methodology/experimental design to accomplish the stated objectives)

23.2 Connectivity of the participating institutions and investigators (in case of multi-institutional projects only)

24.3 Alternate strategies (if the proposed experimental design or method does not Work, please indicate alternate strategy)

25. Time frame: (Please provide quantifiable outputs in bulleted form)

Period of study	Achievable targets
6 Months	
12 Month	
18 Months	
24 Months	
30 Months	
36 Months	

PART IV: BUDGET PARTICULARS

Budget in Rupees

A. Non-Recurring (e.g. equipments, accessories, etc.)

S. No	Item	Year 1	Year 2	Year 3	Total Cost (□ in lakhs)

Sub-Total (A)

B. Recurring

B.1 Manpower

S. No.	Position and Numbers	Consolidated Emolument	Year 1	Year 2	Year 3	Total Cost (in lakhs)

Sub-Total (B.1) =

B.2 Consumables

S. No.	Item	Quantity	Year 1	Year 2	Year 3	Total Cost (in lakhs)

Sub-Total (B.2) =

Other items	Consolidated Emolument	Year 1	Year 2	Year 3	Total Cost (□ in lakhs)
B.3 Travel					
B.4 Contingency					
B.5 overhead/ institutional charges (if applicable)					
Subtotal of B (B.1+B.2+B.3+B.4+B.5)					
Grand Total (A+B)					

Note: Please give justification for each head and sub-head separately mentioned in the above table.

Financial Year: April to March

In case of multi-institutional project, the budget estimate to be given separately for each institution.

C. Budget–component–wise–contribution by the organization (only in case of private R&D institute/ Industry) and the budget being sought from NMPB.

PART V: EXISTING FACILITIES

Resources and additional information

1. Laboratory:
 - a. Manpower
 - b. Equipments
2. Other resources such as clinical material, animal house facility, glass house. Experimental garden, pilot plant facility etc.

PART VI: DECLARATION/CERTIFICATION

It is certified that

- a) There search work proposed in the scheme/project does not in any way duplicate the work already done or being carried out elsewhere on the subject.
- b) The same project proposal has not been submitted to any other agency nor shall be submitted for financial support.
- c) The emoluments for the manpower proposed are those admissible as per the approved emoluments of NMPB.
- d) If the project involves the utilization of genetically engineered organisms, we agree to submit an application through our Institutional Bio safety Committee.

We also declare that while conducting experiments, the Bio safety Guidelines of the concerned departments would be followed in total.

- e) If the project involves field trials/experiments exchange of specimens, etc. we will ensure that ethical clearances would be taken from concerned ethical

Committees/Competent authorities and the same would be conveyed to NMPB before implementing the project.

- f) It is agreed that any research outcome or intellectual property right(s) on the invention(s) arising out of the project shall be in accordance with the decision of NMPB, Ministry of AYUSH.
- g) The institute/university agrees that the equipment, other basic facilities and such other administrative facilities will be extended to investigator(s) throughout the duration of the project.
- h) The Institute/organization assumes to undertake the financial and other management responsibilities of the project.⁷⁹
- i) The organization shall abide by all the 'Terms and Conditions' of the grant-in-aid stipulated in the operational guidelines of the scheme.
- j) All records and reports related to the project have been maintained separately and shall be shown and furnished as and when required by the NMPB, Ministry of AYUSH or its authorized representatives.
- k) Project shall be open for evaluation of physical progress and utilization off undsat the discretion of Ministry of AYUSH.
- l) The undersigned shall be responsible for the authenticity of the information and documents furnished in the application and proposal.
- m) Ministry of AYUSH shall have the right to recover the grant or take legal action against the organization for any default or deviation from the terms and conditions of sanction of grant.
- n) No financial assistance/grant has been sought and or obtained from any Central or State Govt. organization for the same purpose.
- o) All related provisions of Biological Diversity Act 2002 and other relevant rules, regulations and notification shall be complied with.
- p) The undersigned shall be responsible to ensure that all applicable laws/rules and legal provisions are followed.
- q) It is also certified that the project proposal is formulated as per the relevant provisions/ clauses of the guidelines of the Central Sector Scheme for Conservation, Development and Sustainable Management of Medicinal Plants and if the Project is approved, the PI would sign Agreement in the prescribed format as given at part-VIII.

Signature of Principal Investigator:

Date:

Signature of Co-Investigator

Signature of Co-Investigator

Date:

Date:

Signature of Project Coordinator

Signature of Executive

**Authority (applicable only for multi-institutional projects) or Head of Institute/
University with Date :**

PART VII: PROFORMA FOR BIOGRAPHICAL SKETCH OF INVESTIGATORS

**Provide the following information for the key personnel in the order listed on PART II.
Follow this format for each person. Do Not Exceed Three Pages**

Name:

Designation :

Area of Research expertise:

Department/Institute/University:

Date of Birth :Sex (M/F)

SC/ST/ OBC :

Contact details:-

A. Education (Post-Graduation onwards & Professional Career)

Sl. No	Institution Place	Degree Awarded	Year	Field of Study/ Specialization

Position and Honors

Position and Employment (Starting with the most recent employment)

Sl. No	Institution Place	Position	From(Date)	To (date)

Honors /Awards

Professional Experience and Training relevant to the Project81

B. Publications (Numbers only)

Books:.....Research Papers, Reports :.....General
articles:..... Patents :Others (Please specify) :.....
..... Selected peer-reviewed publications (Ten
best publications in chronological order).

Research Support for ongoing Research Projects (with copies of sanction orders.)

Sl. No	Title of Project	Funding Agency	Amount	Date of sanction and Duration

Completed Research Projects (State only major projects of last 3 years)

Sl. No	Title of Project	Funding Agency	Amount	Date of completion

Place: Signature of investigator

Date:

QPM / Germ plasm Projects (based on Conservation) –Annexure-III, CSS Guideline of NMPB

FORMAT FOR SEEKING FINANCIAL ASSISTANCE FORM OF EX-SITU CONSERVATION COMPONENTS OF THE SCHEME

PART – I: - GENERAL DETAILS

1. Title of the Project.
2. Name of the organization with full address, telephone, fax, e-mail ID.
3. Status
4. Registration number and date (for NGOs and Companies)
5. Audited income and expenditure details of last five years (for NGOs/companies only along with Articles of Associations and Memorandum of Association)
6. Name of Principal Project Investigator (PI) and Co-PI (with address for correspondence including landline, mobile no., fax and e-mail address)
7. Introduction, Concept and justification of the project (Detailed project report)
8. Project Period:
9. Details of infrastructure available with the organization (building, equipment, vehicles etc.):
10. Physical and financial requirement along with timelines:
11. Internal Monitoring and evaluation mechanism:
12. Benefits from the projects- tangible and intangible:
13. Summary of the work particularly in medicinal plants sector undertaken by the organization /PI in the last 3 years.
14. Other sources of financial assistance received by the applicant/organization if any so, furnish details.
15. Details of financial assistance already received from the Board, if any may be given in the following proforma:

Year	Amount of grant	Purpose in brief	Total expenses incurred	Amount of Grant utilized	Has utilization Certificate been accepted by the Board	Remarks

16. Detailed Bio-data (including details of published work) of PI & Co-PI

Note :

- i) Proof of land ownership/leasehold and market mechanism (wherever applicable) to be submitted.
- ii) Costing pattern to be provided in the form of schedule of rates as applicable.
- iii) Supporting documents including map (where applicable) must be attached.

Certified that:

- i) The organization shall abide by all the 'Terms and Conditions' of the grant stipulated in the operational guidelines of the scheme of NMPB, Ministry of AYUSH, Government of India.
- ii) All records and reports related to the project have been maintained separately and shall be shown and furnished as and when required by the Ministry of AYUSH or its authorized representatives.
- iii) Project shall be open for evaluation of physical progress and utilization of funds at the discretion of Ministry of AYUSH.
- iv) The undersigned shall be responsible for the authenticity of the information and documents furnished in the application and proposal.
- v) Ministry of AYUSH shall have the right to recover the grant or take legal action against the organization for any default or deviation from the terms and conditions of sanction of grant.
- vi) No financial assistance/grant has been sought and or obtained from any Central or State Govt. organization for the same purpose.
- vii) It is certified that all applicable laws/rules and legal provisions will be followed while implementing the project.
- viii) It is also certified that the project proposal is formulated as per the relevant provisions/ clauses of the guidelines of the Central Sector Scheme for Conservation, Development and Sustainable Management of Medicinal Plants.

Date:

Signature of Authorized Authority

Nursery Projects – Annexure-V, CSS Guideline of NMPB

PROFORMA FOR PROJECT PROPOSAL RELATING TO HERBAL GARDEN

PART – I

1. Title of the Project.
2. Name of the organization with full address, telephone, fax and e-mail ID.
3. Status.
4. Registration number and date (for NGO, Trusts and Companies). NGOs and companies should also send the Articles of Association, Memorandum of Association and Annual Report.
5. Name of the Principal Investigator/Project Leader and Co -PIs and their full address.
6. Brief introduction of concept and justification of the project (The detailed project report should contain the profile of the project area, objectives, problem identification, suggested solutions and alternatives along with anticipated physical and financial benefits, outcomes both in terms of products and process, sustainability mechanism.
7. Project period.
8. Detailed infrastructure available:
 - (i) Land details (Location, Extent, Ownership, Area etc.)
 - (ii) Agri-accessories
 - (iii) Manpower
 - (iv) Experience
9. Physical targets and financial outlays.
10. Outcome/ Benefits from the project (both tangible and intangible).
11. Internal monitoring and evaluation mechanism.
12. Summary of similar work particularly in medicinal plants sector undertaken by the organization /PI in the last 3 years.
13. Other sources of financial assistance received by the applicant/organization if any so, furnish details.

14. Details of financial assistance already received from the Board, if any may be given in the following proforma:

Year	Amount of grant	Purpose in brief	Total expenses incurred
Amount of grant utilized	Has utilization certificate been accepted by the Board	Remark	

15. Detailed Bio-data (including details of published work) of PI & Co-PI

Note:

- i) Proof of land ownership/leasehold and market mechanism (wherever applicable) to be submitted.
- ii) Detailed maintenance mechanism beyond the duration of project and Sustainability Mechanism for Herbal Garden.
- iii) Costing pattern to be provided in the form of schedule of rates as applicable.
- iv) Supporting documents including map (where applicable) must be attached.

16. Certified that:

- i) The organization shall abide by all the 'Terms and Conditions' of the grant stipulated in the operational guidelines of the scheme of NMPB, Ministry of AYUSH, Government of India.
- ii) All records and reports related to the project have been maintained separately and shall be shown and furnished as and when required by the Ministry of AYUSH or its authorized representatives.
- iii) Project shall be open for evaluation of physical progress and utilization of funds at the discretion of Ministry of AYUSH.
- iv) The undersigned shall be responsible for the authenticity of the information and documents furnished in the application and proposal.
- v) Ministry of AYUSH shall have the right to recover the grant or take legal action against the organization for any default or deviation from the terms and conditions of sanction of grant.
- vi) No financial assistance/grant has been sought and or obtained from any Central or State Govt. organization.
- vii) It is certified that all applicable laws/rules and legal provisions are followed while preparing the project proposal for this purpose.
- viii) It is also certified that the project proposal is formulated as per the relevant provisions/ clauses of the guidelines of the Central Sector Scheme for Conservation, Development and Sustainable Management of Medicinal Plants.

Date:

**Signature of Authorized Authority
and Head of the Institution**

PART – II TECHNICAL DETAILS OF THE PROJECT

1. Description of the problem.
2. Alternatives strategies possible.96
3. Objectives of the project
4. Suggested solutions.
5. Project coverage in geographical spread, demography and socio – economic profile of the area (wherever required).
6. Work Plan (Year-wise)
7. Likely impact on the adjoining area and society.
8. Exit strategy/sustainability.
9. Suggested parameters for monitoring during and after the project.
10. List and no. of species of Medicinal Plants proposed for Herbal Garden.

Note: In case, the organization wishes to engage the expertise from the government organization/ national labs/ institute for the overall project duration, written consents from the competent authority of the organization/ lab/ institute is required to be obtained before submitting the proposal.

Retired professionals can be engaged in the project as per the norms of the organization, provided they are actively engaged with them in the field implementation nature of projects and would not be allowed to be associated as and when required for the activity implementation.

Signature of the Project Leader

Signature of the Head of the Organization