



The Herbal Research and Development Institute (HRDI), a nodal agency of Uttarakhand Medicinal Plant Board, has been established at Gopeshwar in 1989 for conservation, development and sustainable utilization of the valuable Medicinal and Aromatic Plant resources of Uttarakhand. It is an autonomous institute of the Uttarakhand Government registered under the Registration of Societies Act, 1860.

The main objective of HRDI is to co-ordinate medicinal and aromatic plants activities carried out by various Govt agencies, farmers, research institutes, NGOs, etc. The main field activities of the institute cover the following areas:-

- Cultivation of valuable Medicinal and Aromatic Plants of Uttarakhand, primarily to improve livelihood opportunities.
- Survey, inventorisation and conservation of biodiversity of medicinal and aromatic plants.
- Research on agro-technique, bio-diversity, biotechnology and genetic improvement of Medicinal and Medicinal Plants.
- Development of cultivation techniques for Medicinal and Aromatic Plants and transfer of technology to the farmers and growers.
- Revitalization of traditional knowledge and the ancients' Indian medicine system, Ayurveda.
- Quality control assessment and research on active ingredients and substances of medicinal and aromatic plants.
- Human resource development, extension and dissemination of information relating to medicinal and aromatic plants.
- Co-ordination of activities of institutions/ departments engaged in development of medicinal and aromatic plants in Uttarakhand.

The Institute

Herbal Research and Development Institute (HRDI) is an autonomous and Nodal Agency under Uttarakhand State Medicinal Plant Board. Head Office of the institute is located at

Mandal-Gopeshwar in Chamoli district almost near to holy peaks of Tungnath, Anusuya and Rudranath. Head quarter extended in 7 ha of land including nursery, playhouses, greenhouses, mist chambers, bamboo houses, official and residential infrastructures.

Area surrounded by dense forest in western side and villager's habitation in eastern side. It is situated at 1600msl and occasionally snow fall occurs during winters but snow do not exist for long time due to low height. Wild satawar, chirayata, daruhaldi and other important medicinal plants with many species of orchids exists nearby forest. It is also a beautiful place for tourism also. Distance from district headquarter Gopeshwar is 16 km far from the institute.

Services Provided

The institute offers following services in the area of Medicinal and Aromatic Plants:-

- Consultancy/technical services for conservation, cultivation and processing of medicinal and Aromatic Plants.
- Transfer of technology for cultivation, value addition and processing.
- Survey of land for cultivation and preparation of feasibility report.
- Supply of quality planting material.
- Training to farmers, entrepreneurs and researchers.
- Supply of information on Medicinal and Aromatic Plants.
- Intellectual property rights related information.
- Registration of MAP cultivation, transit pass and subsidy.

The Vision

To restore the natural environment of Uttarakhand to its pristine state and to develop it as leading herbal destination for the healthy life of national and international communities.

Mission

- To develop Uttarakhand as a "Herbal State".
- To encourage farmers of the state for cultivation of medicinal and aromatic plants and to facilitate them for marketing and provide incentive to them as per the government policies.
- To ensure *in-situ* conservation through effective control over illicit collection of MAPs from the wild.
- To promote establishment of eco and herbal tourism in the state.

Main Activities

The institute is dedicated in the following fields of conservation, processing and utilization of

MAPs:-

- Survey, inventorization, conservation and mass-scale cultivation of valuable medicinal and aromatic plants of Uttarakhand.
- Research on bio-diversity, bio-technology, quality control, value addition and genetic improvement of medicinal and aromatic plants.
- Development of agro-techniques for cultivation and processing of medicinal and aromatic plants and technology transfer to the growers.
- Revitalization of local health traditional and ancient Indian medicinal system, Ayurveda.
- Human resource development, extension and dissemination of information related to medicinal and aromatic plants.
- Co-ordination among activities of institutions/departments /NGOs/co-operatives / growers etc engaged in research and development of medicinal and aromatic plants in the state of Uttarakhand.
- To develop linkages by collaborating with Central Government agencies and industries of with other states.
- To advise the State Government in policy matters and decision makings.

Important Policies for Sustainable Development of MAPs

- Registration of MAPs/ farmers/growers.
- Providing free planting material to farmers up to 10 nali land for cultivation.
- Providing 50 % subsidy to the registered farmers/growers on prioritized 26 species.
- Establishment of distillation units for aromatic crops with 95% government assistance.
- Provide training to farmers/entrepreneurs/ traders on cultivation, processing, value addition and trade of MAPs.
- Provide transit permit for cultivated MAPs and help farmers in trade of cultivated MAPs.
- Provide trade platform by organizing awareness programmes ie workshops, seminars, herbal expo within and outside the state.

Prioritized Species for Cultivation □□□□□□□□□□□□□□□□□□□□

State government has prioritized following 26 MAP species for mass cultivation covering all agro-climatic zones like sub-tropical, temperate and alpine regions and has decided to provide 50 % subsidy on the cost of cultivation to boost up cultivation that will pay a rich dividend to the growers.

Subsidy on selected Medicinal and Aromatic Plants

Sl.

HERBAL RESEARCH & DEVELOPMENT INSTITUTE (HRDI)

Written by Administrator

Monday, 11 August 2008 22:13 - Last Updated Friday, 14 April 2017 07:27

No.

Name of the medicinal plant

No.

of Sapling per Nali

Total Cost

per

Nali (Rs.)

50 % Subsidy in Rs

Total Grant

(Rs.)

1st yr

2nd yr

3rd yr

1

HERBAL RESEARCH & DEVELOPMENT INSTITUTE (HRDI)

Written by Administrator

Monday, 11 August 2008 22:13 - Last Updated Friday, 14 April 2017 07:27

2

3

4

5

6

7

8

1.

Atees (*Aconitum heterophyllum*)

12

2000.00

800.00

HERBAL RESEARCH & DEVELOPMENT INSTITUTE (HRDI)

Written by Administrator

Monday, 11 August 2008 22:13 - Last Updated Friday, 14 April 2017 07:27

100.00

100.00

1000.00

2.

Kutki (<i>Picrorrhiza kurrooa</i>)
---------	----------------------------	---

2200

1000.00

300.00

100.00

100.00

500.00

HERBAL RESEARCH & DEVELOPMENT INSTITUTE (HRDI)

Written by Administrator

Monday, 11 August 2008 22:13 - Last Updated Friday, 14 April 2017 07:27

3.

Kut (*Saussurea costus*)

550

500.00

150.00

100.00

-

250.00

4.

Jatamansi (*Nardostachys Jatamansi*)

3300

HERBAL RESEARCH & DEVELOPMENT INSTITUTE (HRDI)

Written by Administrator

Monday, 11 August 2008 22:13 - Last Updated Friday, 14 April 2017 07:27

2500.00

900.00

200.00

150.00

1250.00

5.

Chirayta (<i>Swertia chirayita</i>)
------------	--------------------------	---

2200

2000.00

800.00

100.00

100.00

HERBAL RESEARCH & DEVELOPMENT INSTITUTE (HRDI)

Written by Administrator

Monday, 11 August 2008 22:13 - Last Updated Friday, 14 April 2017 07:27

1000.00

6.

Vankakdi (*Podophyllum hexandrum*)

2200

2500.00

900.00

200.00

150.00

1250.00

7.

Faran (*Alleum stracheyi*)

HERBAL RESEARCH & DEVELOPMENT INSTITUTE (HRDI)

Written by Administrator

Monday, 11 August 2008 22:13 - Last Updated Friday, 14 April 2017 07:27

3300

500.00

250.00

-

-

250.00

8.

Kala Jeera (*Carum carvi/ Bunium persicum*)

2200

800.00

400.00

HERBAL RESEARCH & DEVELOPMENT INSTITUTE (HRDI)

Written by Administrator

Monday, 11 August 2008 22:13 - Last Updated Friday, 14 April 2017 07:27

-

-

400.00

9.

Pirethrum (<i>Chrysanthe- mum cineraraefolium</i>)
-------------	--

1450

800.00

300.00

100.00

-

400.00

HERBAL RESEARCH & DEVELOPMENT INSTITUTE (HRDI)

Written by Administrator

Monday, 11 August 2008 22:13 - Last Updated Friday, 14 April 2017 07:27

10.

Tagar (*Valeriana jatamansi/ V.officinalis*)

2200

800.00

300.00

100.00

-

400.00

11.

Manjeetha (*Rubia cordifolia*)

2500

1000.00

HERBAL RESEARCH & DEVELOPMENT INSTITUTE (HRDI)

Written by Administrator

Monday, 11 August 2008 22:13 - Last Updated Friday, 14 April 2017 07:27

400.00

100.00

-

500.00

12.

Bari ilaychi (*Amomum subulatum*)

80

800.00

400.00

-

-

HERBAL RESEARCH & DEVELOPMENT INSTITUTE (HRDI)

Written by Administrator

Monday, 11 August 2008 22:13 - Last Updated Friday, 14 April 2017 07:27

400.00

13.

Coleus (*Coleus forskohlii*)

2200

500.00

250.00

-

-

250.00

14.

Rosemary (*Rosmarinus officinalis*)

HERBAL RESEARCH & DEVELOPMENT INSTITUTE (HRDI)

Written by Administrator

Monday, 11 August 2008 22:13 - Last Updated Friday, 14 April 2017 07:27

550

800.00

300.00

100.00

-

400.00

15.

Gerenium (*Pelargonium graveolens*)

975

1000.00

400.00

100.00

HERBAL RESEARCH & DEVELOPMENT INSTITUTE (HRDI)

Written by Administrator

Monday, 11 August 2008 22:13 - Last Updated Friday, 14 April 2017 07:27

-

500.00

16.

Sarpgandha (<i>Rauvolfia serpentina</i>)
--------------	-----------------------------	---

2200

2000.00

800.00

200.00

-

1000.00

17.

HERBAL RESEARCH & DEVELOPMENT INSTITUTE (HRDI)

Written by Administrator

Monday, 11 August 2008 22:13 - Last Updated Friday, 14 April 2017 07:27

Kalihari (<i>Gloriosa superba</i>)
------------	-------------------------	---

1100

2500.00

1100.00

150.00

-

1250.00

18.

Satawar (<i>Asparagus racemosus</i>)
-----------	----------------------------	---

550

800.00

HERBAL RESEARCH & DEVELOPMENT INSTITUTE (HRDI)

Written by Administrator

Monday, 11 August 2008 22:13 - Last Updated Friday, 14 April 2017 07:27

300.00

100.00

-

400.00

19.

Lemon grass & aromatic crops	<i>Cymbopogon flexuosus</i>	& aromatic plants)
------------------------------	-----------------------------	--------------------

550

800.00

300.00

100.00

-

400.00

20.

chamomile (*Matricaria chamomilla*)

2200

500.00

250.00

-

-

250.00

21.

Sylibum (*Sylibum marianum*)

550

HERBAL RESEARCH & DEVELOPMENT INSTITUTE (HRDI)

Written by Administrator

Monday, 11 August 2008 22:13 - Last Updated Friday, 14 April 2017 07:27

500.00

250.00

-

-

250.00

22.

Stevia (*Stevia rebaudiana*)

1450

2000.00

800.00

200.00

HERBAL RESEARCH & DEVELOPMENT INSTITUTE (HRDI)

Written by Administrator

Monday, 11 August 2008 22:13 - Last Updated Friday, 14 April 2017 07:27

-

1000.00

23.

Pipli (*Piper longum*)

425

1600.00

700.00

100.00

-

800.00

24.

HERBAL RESEARCH & DEVELOPMENT INSTITUTE (HRDI)

Written by Administrator

Monday, 11 August 2008 22:13 - Last Updated Friday, 14 April 2017 07:27

Mandookparni/Brahmi (<i>Centella asiatica/Bacopa monn</i>)eri
-----------------------	--------------------------------------	------

2200

800.00

300.00

100.00

-

400.00

25.

Ami Majus (<i>Ammi majus</i>)
-------------	-------------------	---

2200

500.00

250.00

HERBAL RESEARCH & DEVELOPMENT INSTITUTE (HRDI)

Written by Administrator

Monday, 11 August 2008 22:13 - Last Updated Friday, 14 April 2017 07:27

-

-

250.00

26.

Til Pushpi (<i>Digitalis lanata</i>	/	<i>D purpure</i>
--------------	-------------------------	---	------------------

2200

800.00

400.00

-

-

400.00

Available Departmental Nurseries

SI

Name of the Nursery

Altitude (ft)

Production target (lacs)

Main Species

1.

Gadarpur, US Nagar

1000

5.00

Sarpgandha, Satawar, Kalihari and Pipli

2.

Simli, Chamoli

3000

1.00

Reetha and Tejpat

3.

Kothialsain, Chamoli

4000

3.00

Satawar, Bari Ilaichi, Sarpgandha and Lemongrass

4.

Mandal, Chamoli

5000

2.00

Bari Ilaichi, Satawar, Tejpat, Pyrethrum and Stevia

5.

equL;kjh] fiFkkSjkk<

6500

5.00

Kuth, Jammu/Faran, Tilpuspi, Kalajeera, Chhipi and Videshi Gandhrayan

6.

Dhanolti, Tehri

8000

1.00

Kuth and Kala Jeera

7.

Parsari, Joshimath

9000

5.00

Kuth, Kutki, Kalajeera, Tilpushpi, Videshi Gandhrayan, Chammomile, Akarkara and Atis

8.

Napalchu, Pithoragarh

12000

0.20

Kuth, Kalajeera, Chhipi and Jambu /Farah