

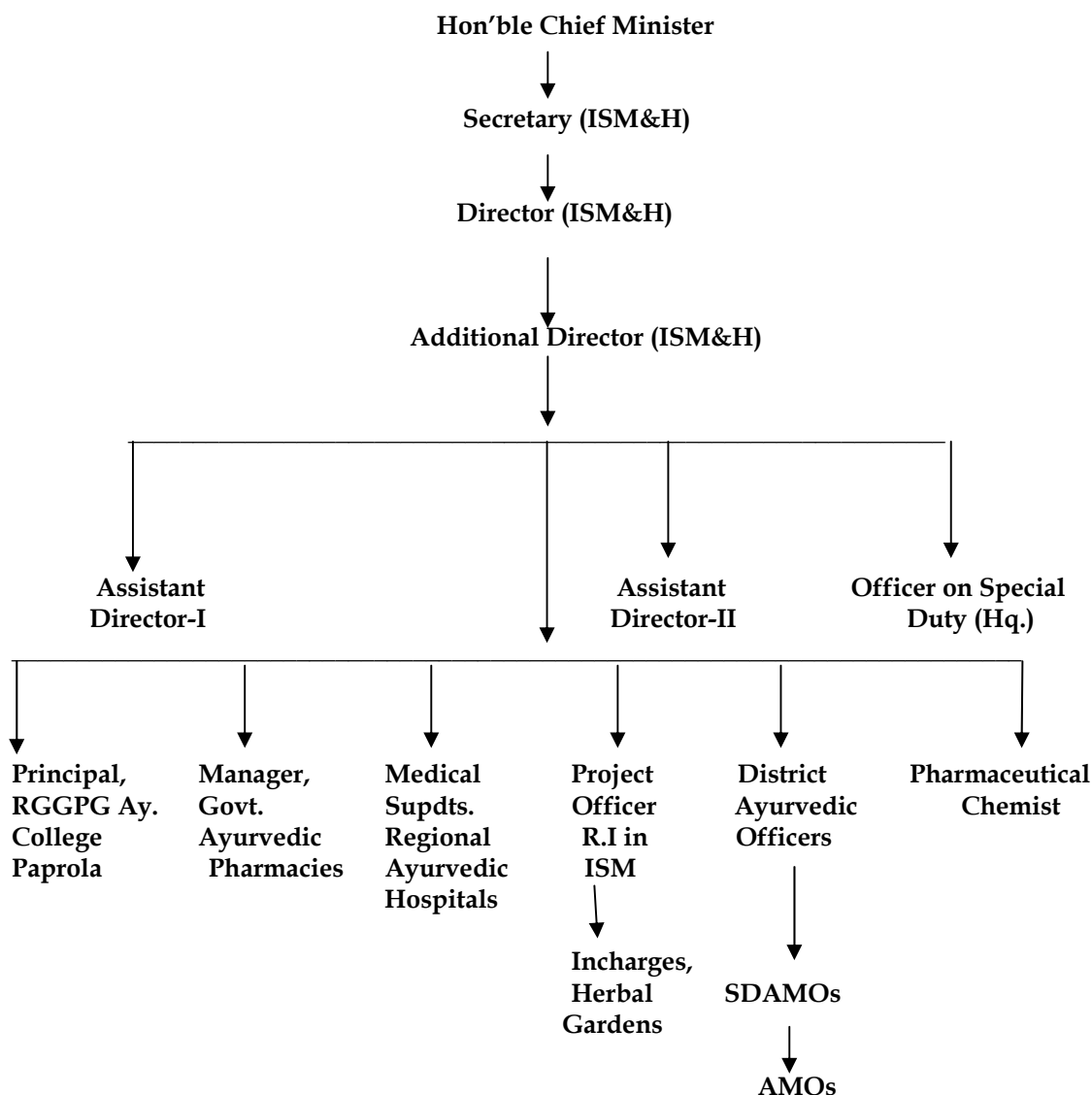
INTRODUCTION

Indian Systems of Medicines & Homoeopathy plays a vital role in providing health care to the people of remotest area of the state. The systems is well entrenched in the mind set of the people and is popular amongst the rural as well as the urban population of the state for the treatment of the chronic diseases like Asthma, Stomach ailments, neurological problems, spinal problems particular in lumber region, slip disc, fissures and fistula. The detail of the Departmental Institutions is as under:-

1.	Regional Ayurvedic Hospitals (50/100 bedded)	02
2.	Ayurvedic Hospitals (10/20 bedded)	22
3.	Nature care Hospital	01
4.	Ayurvedic Health Centers	1105
5.	Unani Health Centers	03
6.	Homoeopathic Health Centers	14
7.	Panchkarma Centers	03
8.	Amchi clinic	04

During the year 2006-07 in the above Institutions 38,843 indoor and 52,95,414 outdoor patients were treated.

ADMINISTRATIVE SET UP OF DEPARTMENT OF INDIAN SYSTEM OF MEDICINE AND HOMOEOPATHY HIMACHAL PRADESH.



The strengthening and improvement of infrastructure of existing of existing Ayurvedic Pharmacies and drug Testing Laboratory have also been taken up for manufacturing high quality medicines ,Stringent checks are carried out both in the Government as well as in private pharmacies. The Government has also laid special emphasis for the promotional cultivation and propagation of the medicinal plants. A different herbal gardens are set up in different agro climatic zones. Besides this, the Government intends to develop Rajeev Gandhi Government Post Graduate Ayurvedic College Paprola in to a “Model College” as per Government of India provisions.

INITIATIVE FOR EXPANSION OF AYURVEDA SYSTEM IN THE PRADESH

The following initiatives have been taken up for the expansion of Indian System of Medicine and Homoeopathy services in the State:-

1. To provide ISM&H services at village level or in such places where no Health Institution Exists.
2. To provide intensive training to doctors and Para-Medical staff through the re-orientation training programmes.
3. To Establish herbal gardens in the different Agro-climatic Zones.
4. To strengthen the existing departmental pharmacies.
5. To organize farmers training camps to create awareness amongst the farmers for cultivation, conservation ,propagation and utilization of medicinal flora in Himachal Pradesh.
6. To develop Rajiv Gandhi Government Post Graduate, Ayurvedic Collage, Paprola as a “Model College”

1. RAJIV GANDHI GOVERNMENT POST GRADUATE AYURVEDIC COLLEGE, PAPROLA, DISTRICT KANGRA(H.P.).

Introduction

Rajeev Gandhi Govt. Postgraduate Ayurvedic College, Paprola is the only Ayurvedic College in the state of Himachal Pradesh. The Collage is situated on small hills, which are rich in natural flora and fauna including many important medicinal plants. The college is affiliated with the Himachal Pradesh University for the award of B.A.M.S. Degree with the intake capacity of 50 students and Post Graduate Degree(MD/MS(Ay.)) in six specialties viz Kayachikitsa ,Shalya, Shalkya, Prasuti Tantra, Samhita Sidhant, Ras Shastra. During the year 1998 the Government of Himachal Pradesh started Post Graduate Courses in three specialties i.e. Kayachikitsa, Shalya and Shalakya . During the year 2004-05 three new subject namely Prasuti Tantra, Samhita, Sidhant and Ras shastra were introduced. The number of seats available for the under graduate and post graduate courses as well as 14 departments of college are as under:-

B.A.M.S.	50
M.D./M.S.	
1. kayachikitsa	06
2. Shalya	04
3. Shalakaya	04
4. Prasuti Tantra	03
5. Samhita Sidhant	04
6. Ras Shastra	03

The detail of 14 Departments in Rajiv Gandhi Govt. Post Graduate Ayurvedic College, Paprola, District Kangra, H.P.

1.	Department of kayachikitsa	P.G.
2.	Department of Shalya Tantra	P.G.
3.	Department of Shalakaya	P.G.
4.	Department of Samhita, Sanskrit and Sidhant	P.G.
5.	Department of Prasuti Tantra Stri Roga	P.G.
6.	Department of Ras Shastra & Bhaishjya Kalpana	P.G.
7.	Department of Kumar Bhairtya	
8.	Department of Dravyaguna	
9.	Department of Sharir Rachna	
10.	Department of Shrir Kriya	
11.	Department of Roga Nidan	
12.	Department of Swasta Vrita	
13.	Department of Agad Tantra & Vidhi Ayurveda	
14.	Department of Panchkarma.	

Academic Result

Name of Class	Pass %age
B.A.M.S.	
B.A.M.S. 1 st Prof.	95%
B.A.M.S. 2 nd Prof.	76%
B.A.M.S. 3 rd Prof.	87%
M.D./M.S.	
M.D./M.S.(Ay.) 1 st Year	70 %
M.D./M.S.(Ay.) Final Year	64%

Academic Tour

- Education tour of 3rd Prop. has been conducted w.e.f. 25.03.2006 to 08.04.2006 at Nasik(Maharashtra)
- Education tour of 2nd Prop. Has been conducted w.e.f. 14.11.2006 to 25.11.2006 at jaipur(Rajasthan)
- Forensic medical tour of B.A.M.S. 2nd prop. has been conducted w.e.f. 02.08.2006 to 13.08.2006 at IGMC, Shimla

I. Construction Works

1. Model College Hospital

The construction work of the third story lenter level is in progress .This new building will have space for operation theatre, Yoga and naturopathy. The initial estimates for which AA/EE has been issued by the Government to Rs. 2.58 Crore. Which has subsequently revised to Rs. 403.00 Lakh. The Government of India sanctioned central assistance of Rs. 1.40 crore for hospital building under “**Model College Scheme**” and the Government of Himachal Pradesh provided 50.20 Lakh up to the year 2006-07.

2. Library Block

Construction of library Block has been completed during the year of 2006-07. The total expenditure on construction is Rs. 1,22,68,000/=.The Block has been provided space for Administrative and Library of the College . The Construction work was executed by the H.P.P.W.D.

3. Additional Pharmacy Building

The construction work for additional Pharmacy Building with Central Assistance of Rs. 77.79 Lakh and State Fund of Rs. 0.20 Lakh is in progress & is ready to be completed soon. The building have also space for quality control laboratory and other research activities to M.D. Students.

II. Rajiv Gandhi Government Ayurvedic Hospital Paprola, District Kangra

The following facilities are available in the Hospital:

1. O.P.D.
2. Major O.T.
3. Minor O.T.
4. Labour Room
5. X-Rays / U.S.S./ E.C.G.
6. Hematological Lab./Bio Chemistry lab.
7. Dental Unit
8. Immunization
9. Physiotherapy
10. Panchkarma
11. special Ward

Clinical Department

- a. kayachikitsa
- b. Shalya
- c. Shalakaya
- d. Bal Rog
- e. Prasuti Tantra
- f. Panchkarma
- g. Saidhantik Chikitsa
- h. Rog Nidan
- i. Swasth-Vrita

III A. HERBAL GARDENS :

A.1 HERBAL GARDEN JOGINDER NAGAR (April 2006 - March 2007) :

a.	Total garden land :	24 Acres
	Area covered under garden activities:	18 Acres
	Area reserved for future planning:	6 Acres
a.1	Land under Buildings & other infrastructure (Farmers Training Hostel, Herbal Store & Tissue Culture) :	1.61 Acres
a.2	Area under perennial plantation :	
	(i) Area under Trees:	3 Acres
	(ii) Area under climbers & shrubs:	3 Acres
	(iii) Area under herbs & grasses:	1 Acre
a.3	Land under experimental cultivation, agro-technique development, poly house, nurseries and seed multiplication area :	4 Acres
a.4	Water channels / Tanks / Nalas :	0.39 Acre
a.5	Area under developing stage :	1.5
Acres		
a.6	Demonstration Area :	2 acres
a.7	Roads / Paths :	1.5 Acres

b. Infrastructure in Garden :

b.1 Poly Houses :

- I) 2 Nos. each measuring of 5x25 meters fitted with cooling fans and modern irrigation facilities.
- II) 4 Nos. of each measuring 4x10 meters fitted with sprinkler irrigation system.

These poly houses are used for development of Agro-technique under controlled conditions.

b.2 Shading Net Nurseries : One Shading net nursery has been constructed in the garden for keeping the temperate medicinal plants for demonstration purpose and to raise the germplasm for developing of agro-techniques e.g. *Bergenia ligulata* (Pashanbhed), *Urgenia indica* (Jangli Piaaz), etc.

b.3 Construction of drying / storage shed (size 9 x 8 mtr.) from dismantled DTL building material was done on temporary basis.

c. Detail of work done From 1st April, 2006 -31st March, 2007 :-

c.1 Land preparation : 5 Acres

Land is prepared to carry out the various activities related to nursery development and field cultivation of scheduled species of medicinal plants which includes experimental as well as normal cropping of plants whose agro techniques are already developed.

c.2 Seedlings/ stem cuttings : Nurseries in 2000 sqm. area.

c.3 Seedlings raised in Open field condition : Plants seedlings of 18 different species have been raised in nurseries beds to meet the schedule of experimental cultivation of species at large scale viz. Tulsi, Akarkara, Lajwanti, Bhringraj. Pudina, Stevia, Bala, Latakasturi, Chitrak, Kapoor Tulsi etc.

c.4 Seedlings raised in Polyhouses : Seeds were sown in polyhouses and seedlings raised of different strains of Tulsi (10,000 No.)and other plant species viz. Brahmi , Serpgandha , Ashwagandha , Shataveri , Sanswai , Stevia , Bael , Banaksha etc.

c.5 Plants raised in poly tubes : About 8500 plants of different species were raised in poly tubes. The important species are :-

Sr. No.	Botanical Name	Common name
1	<i>Asparagus adscendens</i>	Shataveri
2	<i>Cinnamomum camphora</i>	Karpur
3	<i>Cinnamomum tamala</i>	Tejpatra
4	<i>Emblica officinalis</i>	Amla
5	<i>Jasminum</i> spps.	Chameli
6	<i>Oroxylum indicum</i>	Seonak
7	<i>Plumbago zeylanicum</i>	Chitrak
8	<i>Rauwolfia serpentine</i>	Serpgandha
9	<i>Sapindus mukorossi</i>	Ritha
10	<i>Saraca indica</i>	Sita Ashok
11	<i>Stevia rebaudiana</i>	Stevia
12	<i>Terminalia arjuna</i>	Arjun
13	<i>Terminalia belerica</i>	Vibhitak
14	<i>Terminalia chebula</i>	Harad
15	<i>Thevetia nerifolia</i>	Pili Kaner

c.6 Field transplantations :

3000 plants were transplanted in the field pits from polytube nursery and 10,000 seedlings of Tulsi strains were transplanted from polyhouse into field beds .

c.7 Sale of Germplasm :

Seed, plants & plant cutting of **Rs. 45346/-** were sold to farmers, NGOs. & Other Govt. agencies etc.

c.8 Raising of plants in Green house conditions : Important temperate & subtropical plants have been raised under controlled conditions of greenhouse by seeds viz. 1. Asparagus recemosus ('krkoj), & A. adscendens (Sanswai) 2. Ocimum sanctum (';kek rqylh), 3. Hypericum perforatum (olUr), 4. Bacopa monnieri (czāh), 5. Rauwolfia serpentina (liZxU/kk), 6. Embelia sps., 7. Chlorophytum borivilianum & chlorophytum arundinacium.

c.9 Germplasm domestication / multiplication : Some species of temperate region of H.P. collected during the field visit/survey were put for domestication under the shade net house conditions. These sps. are still under trial cultivation and field multiplication. The main species are :-

<u>Sr. No.</u>	<u>Botanical Name</u>	<u>Common name</u>
1.	Bergenia ligulata	(Pashanbhed)
2.	Gingko biloba (Gingko)	
3.	Thymus serpyllum	(Ban-ajwain)
4.	Urgenia indica	(Banplandu)
5.	Valeriana jatamansi	(Sugandhwalla)

c.10 Plants under Experimental Cultivation / seed multiplication :

1.	Acorus calamus	(Vach)
2	Allium sativum	(Lahsun)
3.	Artemisia annua	(Artemisia)
4.	Asparagus adscendens	(Sanswai)
5.	Asparagus racemosus	(Shatawar)
6.	Bacopa monnieri	(Brahmi)
7.	Centella asiatica	(Mandukparni)
8.	Curcuma longa	(Haridra)
9.	Eclipta sps	(Bhringraj)
10.	Ocimum sanctum	(Tulsi)
11.	Ocimum sanctum	(Shayama Tulsi)
12.	Phyllanthus urinaria	(Bhumi Amla)
13.	Sida cordifolia	(Bala)
14.	Spilanthes acmella	(Akarkara)

c . 11 Cuttings Trial in nursery beds :

1500 cuttings of Chameli , Nirgundi, Darim, Stevia, Magpipali, and Daruharidra put to trial for sprouting .

d. New addition of spps. of Medicinal Plant :

Three new spps. of medicinal plants were introduced in garden for large scale cultivation. These spps. are :-

1	Mucuna capitata	(konch beej)
2.	Centrarthimum anthelminticum	(Kali jiri)
3.	Matricaria chamomile	(German chameli)

Trial introduction of following species was done :

1. Boerhaavia diffusa (Punarnava) 2. Vinca rosea (Sadabahar) 3. Ipomea spp. (Kaladana)

e. Produce from experimental cultivation :

The detail of raw herb supplied to govt. ayurvedic pharmacies is as follows :-

Sr. No.	Name of plant spps.	Quantity
1	Allium sativum	45Kg
2	Bacopa monnieri	25 Kg
3	Celastrus paniculatus	18 Kg
4	Cinnamomum tamala	10 Kg
5	Citrus jambhiri	77 Kg
6	Coriandrum sativum	25 Kg
7	Curcuma longa	10 Kg
8	Emblica officinalis	147 Kg
9	Ocimum kilimandscharicum	80 Kg
10	Ocimum sanctum	273 Kg

f. The detail of seed collected during the year 2006-07 is as follows :-

Sr. No.	Name of plant spps.	Quantity
1	Abelmoschus moschatus	500 gm
2	Abroma augusta	3 Kg
3	Asparagus adscendens	1 Kg
4	Asparagus racemosus	2 Kg
5	Celastrus paniculatus	8 Kg
6	Eclipta eracta	100 gm
7	Embelia ribes	3 Kg
8	Emblica officinalis	500 gm
9	Lepidium sativum	1 Kg
10	Mimosa pudica	500 gm
11	Mucuna spps.	500 gm
12	Ocimum basclicum	250 gm
13	Ocimum sanctum (Black strain)	500 gm
14	Ocimum sanctum (White strain)	1.5 Kg
15	Oroxylum indicum	500 gm
16	Rauwolfia serpentina	3 Kg
17	Sapindus mukorossi	2 Kg
18	Sida cordifolia	500 gm

19	Silibum marianum	4 Kg
20	Terminalia arjuna	5 Kg
21	Urgenia indica	1 Kg

g. The detail of Nursery during the year 2006-07 is as follows :-

Sr. No.	Name of plant spps.	Quantity
1	Abelmoschus moschatus	100 nos.
2	Acorus calamus	150 nos.
3	Andrographis paniculata	250 nos.
4	Asparagus adscendens	150 nos.
5	Asparagus racemosus	300 nos.
6	Bacoppa monnieri	300 nos.
7	Celastrus paniculatus	50 nos.
8	Centella asiatica	200 nos.
9	Cinnamomum tamala	450 nos.
10	Cinnamomum camphora	650 nos.
11	Cinnamomum zeylanicum	20 nos.
12	Cassia fistula	50 nos.
13	Elaeocarpus genitrus	20 nos.
14	Emblia ribes	100 nos.
15	Emblia officinalis	450 nos.
16	Jasminum officinalis	100 nos.
17	Melia azedarach	50 nos.
18	Murraya koengii	50 nos.
19	Ocimum sanctum	100 nos.
20	Oroxylum indicum	100 nos.
21	Piper longum	600 nos.
22	Plumbago zeylanica	50 nos.
23	Rosa damascena	30 nos.
24	Rauwolfia serpentina	2000 nos.
25	Saraca indica	300 nos.
26	Stevea rebudiana	300 nos.
27	Terminalia arjuna	300 nos.
28	Terminalia belerica	500 nos.
29	Terminalia chebula	550 nos.
30	Thevetia nerifolia	50 nos.
31	Withania somnifera	250 nos.

h. Vermiculture : 6 Quintal vermicompost sieved out.

6 pits were maintained under vermiculture for generation of vermicompost to be used in nursery , polyhouse and potted plants .

i. Grafting :-

Emblia officinalis (Amla) grafting was carried out on the root stocks of wild seedlings one year age with scions of Banarasi amla and shifted to field area successfully.

A.2. SUB-TROPICAL HERBAL GARDEN NERI (HAMIRPUR), (H.P.) :

(April 2006 – March 2007)

STAFF:

Garden Incharge	:	1
Mali	:	Nil
Beldar	:	2

Casual labour :

13 + 1 (Engaged under the project “Infrastructure development for determination standardization of drying & storage technique of herbal material”)

a.	Total garden land :	28 Acres
	Area covered under garden activities :	15 acres
a.1	<u>Land under Buildings & other infrastructure :</u>	600m ²
a.2	<u>Area under perennial plantation :</u>	8 acres
	(i) Area under Trees :	6 acres
	(ii) Area under climbers & shrubs :	1.5 acres
	(iii) Area under herbs & grasses :	0.5 acres
a.3	<u>Land under experimental cultivation, agro-technique development, poly house, nurseries and seed multiplication area :</u>	2.5 acres
a.4	<u>Water channels / Tanks / Nalas :</u>	1000m ²
a.5	<u>Area under developing stage :</u>	7000m ²
a.6	<u>Demonstration Area :</u>	As a.2, a.3
a.7	<u>Roads / Paths :</u>	6600m ²
b.	Infrastructure in Garden :	
b.1	<u>Poly Houses :</u>	2 No. (10.5x4m ²)
b.2	<u>Shading Net Nurseries :</u>	Nil
b.3	<u>Construction of drying / storage shed :</u>	Nil
c.	Detail of work done w.e.f. 1st April, 2006 – 31st March, 2007 :	
c.1	<u>Land preparation :</u>	500m ² (re-digging of field for preparation)
c.2	New field preparation:	815m ²
c.3	<u>Seedlings / stem cuttings :</u>	200m ²
c.4	<u>Seedlings raised in Open field condition :</u>	9630 (Ashwagandha, Tulsi, Kalmegh, Neem etc.)
c.5	<u>Plants raised in poly tubes :</u>	3750 (Neem, Hajor, Sarpagandha,
c.6	Field transplantation :	6750
c.7	Sale of Germplasm & institutional charges :	10116/- Rupees

- c.8 Raising of plants in Green / poly house conditions : 1000 (Ashwagandha)
- c.9 Germplasm domestication / multiplication : Kaknasa, Chandan, Sarpagandha, Mushkadana
- c.10 Plants under Experimental Cultivation / seed multiplication : Kaknasa, Shalparni, Mulethi, Ashok, Chhoti kantkari
- c.10 Cuttings Trial in nursery beds : Malati, Vidhara, Kashmal, Suhanjan, Sarpagandha, Mehandi etc.

d. New addition of spp. of Medicinal Plant :

Anantmool (could not germinate, will be repeated in coming season).

e. Produce from experimental cultivation :

Sr. No.	Botanical name	Common name	Qty.	Supplied to
1	Achyranthus aspera	vikekxZ ¼lw[kk	1 Qtl.	
2	Aloe vera	?k`r dqekjh	25 Kg.	GAH Hamirpur
3	Rauwolfia serpentine	liZxU/kk ¼lw[kh	13 Kg.	
4	Syzygium cumini	tkequ ¼lw[kk cht½	30 Kg.	GAP Paprola, 20 Kg.
5	Terminalia belerica	cgsM+k fu"dqy	10 Kg.	
6	Terminalia chebula	gjhrdh fu"dqy	5 Kg.	
7	Tinospora cordifolia	fxyks;	1 Qtl.	GAP Jogindernagar

f. The detail of seed collected during the year :

Sr. No.	Botanical name of spp.	Common name	Quantity
1.	Croton tiglium	t;iky	450 Gm.
2.	Azadirachta indica	uhe	170 Gm.
3.	Abrus precatorius	jÜkh	700 Gm.
4.	Santalum album	pUnu	450 Gm.
5.	Celastrus paniculatus	ekydaxuh	4.500 Gm.
6.	Rauwolfia serpentine	liZxU/kk	900 Gm.
7.	Plumbago zeylanica	fp=d	800 Gm.
8.	Ocimum sanctum	rqylh	1 Kg.
9.	Mimosa pudica	yктоUrh	250 Gm.
10.	Trichosansanthes cordata	iVksy	500 Gm.
11.	Andrographis paniculata	dkyes?k	780 Gm.
12.	Hibiscus abelmoschus	eq'dnkuk	150 Gm.
13.	Psoralea corylifolia	ckdqph	150 Gm.
14.	Terminalia belerica	cgsM+k	05 kg
15.	T. chebula	gjM+	08 kg

g. The detail of plants raised in nursery : As per c.3, c.4, c.5 & c.6.

h. Vermiculture : Nil

- i. **Grafting :** 50 seedlings of Amlarafted.
- j. **Other misc. activities :**
 - i.) Stacking of 500 of Asparagus racemosus (Shatawar).
 - ii.) 5 times hoeing & weeding out operations carried out in the field transplantation as shown in a.2 (iii) & other annuals.
 - iii.) Frequent weeding out & irrigation as & when required done in nurseries, poly houses & pot plants.
 - iv.) 61 Herbarium samples collected, pressed & dried.
 - v.) Lime application in the perennial medicinal trees approximately 500.
 - vi.) Twice bush cutting in the perennial medicinal trees blocks like Harad, Amla, Arjuna, Chandan, Bilv & Malkangani. Blocks
 - vii.) Uprooting of bushes in the bush cutted area.14100m2.
 - viii.) Participated in the departmental exhibition in Hamir Utsav & stood first. Other at Holi Mela, Sujanpur & also stood 1st in 1st week of March 2007.
 - ix.) Organised one day training camp on medicinal plants for Mahila mandal of local village Neri.
 - x.) Visitors, farmers & students etc. are being intertained throughout the year as & when visit the garden.
 - xi.) Digging of pits 100 Nos. (1 x 1 x 1.5 feet), basin making 760 plants (Twice).

A.3 HERBAL GARDEN DHUMRERA (SARIBASA) DISTT. SHIMLA :
[Progress of work w.e.f. April 2006 to March. 2007]

- A. Total garden land :** 7 Acres
 - i.) Area covered for cultivation under various project activities : 4 Acres
 - ii.) Area reserved for future planning 2 Acres
 - iii.) Area under Building, other infrastructure ½ Acre
 - iv.) Area under demonstration & nursery beds, Poly house, Net shade house etc. ½ acres
- B. Infrastructure in the garden :**
 - i) Seed store 2nos size 16'x10' 1no
12'x10' 1no
 - ii) Poly house 1 no. 18x4 mtrs
 - iii) Net shade house 1 no. 10x4 mtrs
- C. Detail of work done w.e.f. April/2006 to March 2007 :**

All the physical & financial activities pertaining to the herbal garden Dhumreda are going on under the centrally sponsored projects which are mentioned below :-

Sr. No.	Title of the project	Funding agency	Sanctioned amount (in lacs)	Project period
1.	Propagation of QPM & Seed production (Projects No.GO/HP-2/2005 A)	Ministry of Health & FW, Deptt. of Ayush, NMPB, G.O.I.	15.00	3 years
2.	Propagation of QPM of high valued Medicinal Plants for promoting contract farming in H.P. (Projects No. GO/HP-3/2005 A)	-- do --	15.00	3 years
3.	The production of Nucleus / Basic Planting material for medicinal plants under Horticulture Technology Mission – MM-1	Horticulture Technology Mission, through (CPRI Shimla) (H.P.)	11.01	3 years

Although year wise targets of the above projects are being carried on as per the action plan, yet some works which are under progress are mentioned below :-

i) Land preparation :

Two acres land has been developed and fields were prepared for the cultivation of high altitude medicinal plants under the various projects.

ii) Seedlings / Stem cutting :

About more than 60000 seedlings of *Aconitum heterophyllum* have been raised in nursery beds for further transplantation .More than 10,000 cuttings of *Picrorhiza kurroa* and 2000 plants of *Valeriana jatamansi* were also planted in the field.

iii.) Sale of germplasm :

5000 plants of *Aconitum heterophyllum* were sold @ Rs. 1/- each (Rs. 5000/-) for demonstration purpose during this year

iv.) Training / workshop / demonstration :

The following training / workshops and demonstration programs were conducted at the different locations to educate the surroundings farmers in the field of cultivation and utilization etc. of the temperate medicinal plants.

Sr. No.	Training/ Demonstration	No. of farmers		Date of conducting the program	Sight where programs were conducted
		Target No.	Achieved No.		
1.	5 days training program	20	20	24-28.4.06	R.I. in ISM Joginder Nagar
2.	1 day training program	50	51	3-12-2006	Vill. Ranol, Teh. Chirgaon
3.	-- do --	50	82	26-3-07	Vill. Larot, Teh. Chirgaon
4.	-- do --	50	71	28-3-07	Vill. Mandog, Teh. Rampur
5.	1 day demonstration	70	70	25-7-06	Ominyanshoo (Dhumreda)
6.	-- do --	70	74	13-8-06	Herbal Garden Dhumreda

D Other activities :

400 grams seed of *Aconitum heterophyllum* has been collected from the cultivated field and same has been sown in the nursery beds for further multiplication. A seed store has also been constructed through HP Agro Industries Co. Ltd. Shimla under Mini Mission Project.

Rupees 5.06 lacs has been deposited to the H.P. Agro Industries Co. Ltd. Shimla for civil work viz. construction of seed store and irrigation /micro-irrigation facilities under these projects.

B. HERBARIUM SECTION BROAD OBJECTIVES

- To preserve and store the specimen in systematic manner
- Classification of herbal specimen w.r.t. Useable parts
- To provide useful information regarding the medicinal plants for Ayurvedic Doctors, NGO'S, Farmers, Pharmaceutical personnels, Research scholars, Research Institutions, General public.
- To exhibit relevant literature of Medicinal Plants.

1. Maintenance of existing Herbal Specimens :

525 herbal specimens exist in the Herbarium. All the specimens have been maintained cleaned and re-poisoned. It is important to mention that the re-poisoning of the herbal specimens maintained in museum is required to be carried out periodically to kill the pathogens viz. bacteria, fungi, pests which destroy the specimens. These valuable material need to be preserved for display.

2. Maintenance of existing Herbarium Sheets :

5090 Herbarium sheets are existing in the Herbarium. All the sheets have been maintained, cleaned and re-poisoned.

3. Computerized re-labeling of the specimen jars :

All the 525 labels of the existing old labels pasted on the bottle/jars were changed and replaced with computerized labels mentioning the nomenclature of each specimen

4. Addition and replacement of specimens/ sheets :

The specimen/ sheets have to be replaced periodically wherever found necessary. The work on this aspects is continuous and is in progress. The sample of few species are also replaced with new samples in trays viz. Brahmi, Safed musli, Pudina, Tulsi, Babui Tulsi, Kapur Tulsi, Amla, Harad, Bahera, Giloe, Ashwagandha, Mandookparni, Bhringraj, Chitrak, Vach, Rakhhal etc.

5. Identification of specimens received from different agencies :

During this period 15 live/ dried specimens received from different sources for identification were identified by utilizing the keys from the specimens of respected species already maintained in the museum for this purpose.

6. Educating the visitors :

The visitos of various classes i.e. Students, farmers, N.G.O.s, Ayurvedic doctors, Scientists, Research scholars, Industry people etc. visiting the Herbarium have been given information regarding Identification & Utilization of Medicinal Plants. During this period 2784 visitors of different groups (including individuals) visited the Herbarium and were benefited.

7. Departmental Exhibitions:

i.) The Herbarium Incharge participated in organizing the departmental Exhibition at Okhala Estate N.Delhi in the Arogya Mela organized by the G.O.I.w.e.f.14th Oct. to 17th Oct. 2006

ii). Also the Harbarium wing assisted in organizing the departmental exhibitions held in the following various places of the state:

<u>S.No.</u>	<u>Place of Exhibition.</u>	<u>Date</u>
1.	Distt.level fair at Joginder Nagar.	1-4-2006 to 5-4-2006
2	Hameer utsab.in association with D.A.O. Hamirpur.	1-11-2006 to 3-11-2006
3..	Holi mela Sujapur in association with D.A.O. Hamirpur.	1-3-07 to 5-3-07
4	Nalwari Fair Bilaspur in association with D.A.O. Bilaspur.	17-3-2007 to 23-3-2007

8, **Trainings and Workshops**

- i. **The Herbarium Incharge attended one training camp for the farmers organized by the Himachal Gramin Bank & sponsored by the NABARD, Dharmsala on dated 15.11.06 at Jalag (Kangra) and held discussion on the various aspects on the Medicinal Plants.**
- ii. **Similarly One work shop organized by the Himachal Gramin Bank & sponsored by the NABARD, Dharmsala was attended on 13.03.07 at Tea Bud Hotel Palampur and**
- iii, **the other Training camp for the Farmers organized by the same institution was attended on 14-03-07 at Lad Bharol (Mandi).**

C. TRAINING & EXTENSION ACTIVITIES

(Year 2006-07)

a. **Farmers Training Camps :-**

Farmers training camps/ Exhibitions were organized at the various places of the state to create awareness amongst the farmers/ participants with respect to identification, conservation, propagation, cultivation and utilization of the medicinal flora existing in their surroundings and in the state of Himachal Pradesh. In the utilization part the participants undertaking training are educated and encouraged to utilize the herbs growing in the vicinity as low cost home preparations in the form of food supplements and value added products. Experimental trials on value addition were conducted on various herbs such as **Brahmi, Tulsi, Rose, Amla, Burans, Pudina, Ajwain, Giloe** etc. The technical guidance & practical demonstration for cost effective preparations which can be easily prepared at home such as **Brahmi syrup, Brahmi powder, Tulsi syrup, Tulsi powder, Gulukand of rose, vasa, kachnar, burans** etc. **Burans syrup & chattrny, Amla candy, powder, jam, jelly** etc. Different types of hair oil, Pain oil etc. is provided to the participants.

a.1 Total No. of farmers training camps, exposure visits and awareness programmes :- 108

a.2 Total No. of beneficiaries :- 3426

Farmers - 2114

Others - 1312

a.3 Departmental Exhibitions :-

In addition to the farmers training camps, departmental exhibitions were also organized at the following places :-

<u>S.No.</u>	<u>Date</u>	<u>Place of Exhibition.</u>
1.	1-4-2006 to 5-4-2006	Distt. level fair at Joginder Nagar.
2.	14-10-2006 to 17-10-2006	Arogya Mela 2006 New Delhi.
3	1-11-2006 to 3-11-2006	Hameer utsab. in association with D.A.O. Hamirpur.
4..	1-3-07 to 5-3-07	Holi mela Sujanpur in association with D.A.O. Hamirpur.
5..	17-3-2007 to 23-3-2007	Nalwari Fair Bilaspur in association with D.A.O. Bilaspur.

Our experts have also attended the 15 training camps/ workshops organized by the different agencies such as NABARD, DRDA, B.D.Os etc. outside the campus to educate/ motivate the various beneficiaries on the various aspect of Medicinal Plants,

D. BOTANICAL SECTION - 2006-07

1. Identification of Medicinal Plants Spps. :-

Samples of medicinal plants received from various Institution such as CSKHP Agricultural University and Other NGO's were identified. The record is kept in Herbarium. The reports of the identification are also submitted to the quarter concerned.

2. Screening of seed :-

Seed of some the spp of medicinal plants such as Terminalia belerica, Terminalia chebula, Embelica officinalis, Cinnamomum tamala received from D.F.O. Joginder Nagar was screened and report was submitted to D.F.O. Joginder Nagar.

3. Identification of raw herbs :-

In DTL Joginder Nagar samples of the raw herbs more than 300 drugs were identified & studied as under :-

- i.) Macroscopic character of raw material.
- ii.) Microscopic character of raw material.
- iii.) Histology study and drawing of raw material.
- iv.) Preparation of permanent slides.

4. Pharmacognosical test of drugs :-

More than 200 samples of drugs received in Drug Testing Laboratory from the Govt. & as well as private pharmacies were tested and analysed, reports were submitted to the Pharmacies.

5. S.O.P. Project :-

Under this project of G.O.I. has allotted 13 drugs for the preparation of standard. Out of 13 drugs. The study was conducted of 6 drugs and the report of which has been submitted to G.O.I. after the revival of project. The study of the other 7 drugs is under process.

6. Biomass study :-

Biomass of Terminalia chebula, Terminalia belerica & Embelica officinalis was studied.

E. OTHER ACTIVITIES

1). Progress-cum-achievements of Vanaspati Van Project during year 2006-07 and future plan for year 2007-08 :

A. Progress status:

I. Field activities:

1. Organized three training camps at different locations in VVP Chamba (Mani Sagnahar) and Kullu (Kothi)
2. Provided technical help to the officials of Forest department in concerned VVP sites while field transfer of nursery germplasm in MPPAs and during the ex-situ cultivation in farmers field.
3. Monitored the crops undertaken by farmers in ex-situ cultivation viz. **Sugandhwalla, Pashanbhed, Atis, Karoo** and **Rakhal** time to time.
4. Harvested about three tons of **Sugandhwalla** roots/rhizome at Mani-Sagnahar produced by farmers promoted under VVP Society through registered Pilot Societies
5. Operationalized the sale of 3 tons of dried roots of **Sugandhwalla** produced by farmers through open auction organized at spot thus to earn a direct revenue of **Rs. 1, 83,000** to the farmers of Mani-Sagnahar, Chamba at all time high spot rate of Rs. 61/Kg. with active association of Forest deptt. to fulfill the objectives of VVP regarding regeneration of local livelihood for farmers through scheme.

II. Micropropagation lab:

1. Completed the work of installation of major Machinery and Equipments in lab.
2. Installed the air-conditioning system wherever applicable to regulate indoor temperature in lab.
3. Enlisted and procured the minor items viz. consumable, chemicals, incidentals, glasswares etc. under M & S, essentially required on day to day basis for smooth functioning of lab.
4. Finalized the purchase of furniture items followed by the delivery of items and installation.
5. Purchase of hardening chamber for hardening of in-vitro plants is in progress.
6. Carried day to day routine activities about trial and testing of equipments and process to make lab functional.

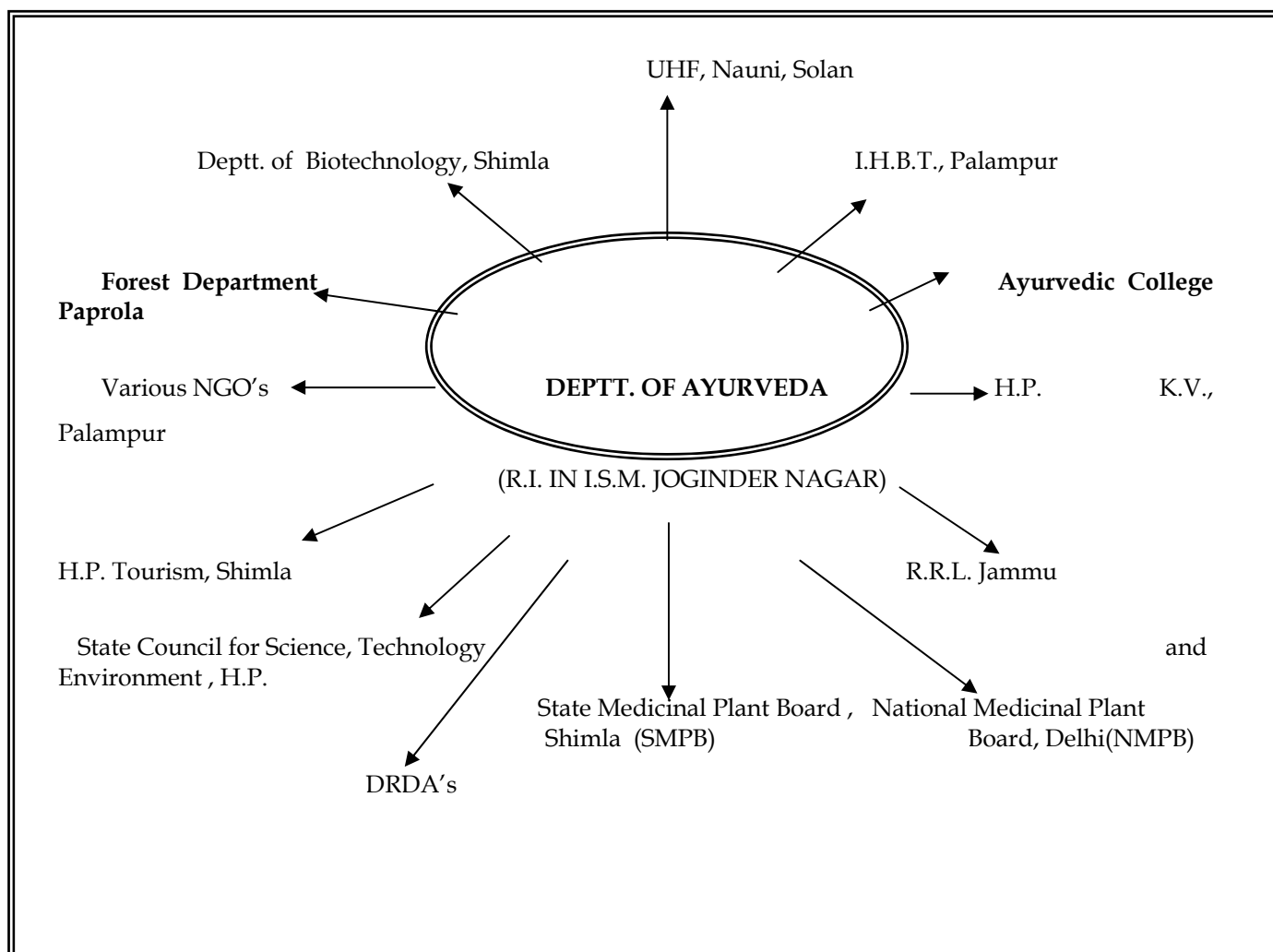
III. Other activities:

1. A technical bulletin in form of booklet comprising of information on identification, availability, and applications etc. of selected medicinal project plants is printed.

2. Exhibited the on going activities of Vanaspati van project and its objective in Arogya Mela 2006 at new Delhi from 14th to 17th October'2006.

II). CO-ORDINATION WITH OTHER GOVT. DEPARTMENTS/INSTITUTIONS :

This Research Institute is also associated with other departments/universities or agencies working in the field of medicinal plants to reciprocate the information regarding herbs on a particular field as shown in the flow chart :-



1. Activities with Forest Department Himachal Pradesh :

This Institute is providing technical know-how to the official of Forest deptt. of H.P. on different aspects of medicinal plants cultivation viz. nursery raising, in-situ & ex-situ cultivation etc.

2. Activities with Horticulture & Agriculture Department of H.P. :

This Institute is providing technical know-how to the above said departments.

3. Activities with DRDA's of the State :

The institute is actively associated with various DRDA's of the state for conducting exposure visits of the participants sponsored by these agencies and imparting training to the participants for medicinal plant cultivation.

III). STATE & NATIONAL MEDICINAL PLANT BOARD :

The Research Institute in ISM, Joginder nagar is actively involved in providing the technical guidance for the implementation of programs and policies of State Medicinal Plant Board, Deptt. of Ayurveda in H.P. under the National medicinal Plant Board on various aspects of medicinal plants of state.

Detail of undergoing projects at R.I. in ISM, Joginder nagar :

Presently, the following projects are being carried out / implemented /monitored through this Institute on various aspects of medicinal plants sanctioned by different funding agencies:-

Sr. NO.	Title of Project	Year	Sanctioning Authority	Time Period	Sanctioned Amount (in lacs)
1.	Infrastructure development for determination and standardization of drying and storage techniques of raw herbal material in H.P. for Herbal Garden Neri, H/pur	2002-05 extended upto 2007	N.M.P.B. (Deptt. of AYUSH) Ministry of Health & Family Welfare G.O.I., New Delhi	3 yrs	18.00 (Received 1 st installment of Rs. 10.00 lacs on 12-4-02) (Received 2 nd installment of Rs. 6.00 lacs on 5-4-03)
2.	The Production of Nucleus / Basic Planting Material for Medicinal Plants under Horticulture Technology Mission - Mini Mission-I	2004-07	Horticulture Technology Mission -MM-I, Deptt. of Horticulture, H.P.	3 yrs	11.01 (Received Rs. 6,32,304 for 1 st year)
3.	Propagation of QPM & Seed Production for Herbal Garden Dhumreda, Rohru (Shimla)	2004-07	Ministry of Health & FW,(ISM), G.O.I	3 yrs	15.00 (Received Rs. 6.00 lacs for 1 st year)
4.	Propagation of QPM of high valued medicinal plants for promoting contract farming in H.P. for Herbal Garden Dhumreda, Rohru (Shimla)	2004-07	Ministry of Health & FW,(ISM), G.O.I	3 yrs	15.00 (Received Rs. 8.00 lacs for 1 st year)
	NEWLY SANCTIONED :				
1.	Production and utilization of herbs in collaboration with herbal gardens & pharmacies of the AYUSH Deptt. of H.P.	2007-10	Ministry of Health & FW,(ISM), G.O.I	3 yrs	24.00 (Received Rs. 10.00 lacs for 1 st year)
2.	Establishment of Progeny Herbal Garden	2007-08	Deptt. of Hort. H.P.	1 yr	3 lacs (Received)

DRUG TESTING LABORATORY (RIISM) JOGINDERNAGAR

AIM & Objectives of DTL at Joginder Nagar

1. To test and analyze the single and compound drugs of ISM under the preview of Drugs & Cosmetic Act.
- 2 To test and analyze the crude drugs as well as finished products of Govt. Pharmacies.
- 3 To test and analyze the crude drugs samples received from private manufacturing units of ISM.
4. To undertake the R& D projects from different sponsoring agencies in the field of quality control of drugs of ISM.

Type of Tests Performed with Achievements of DTL

a) Source of Samples

- 1 Govt. Ayurvedic Pharmacies of H.P. State.
2. Ayurvedic Pharmacies of Pvt. Sector situated in H.P
3. Herbal Garden Jogindernagar. Distt Mandi
4. Drug Control H.P

b) Type of Samples being Tested

- a) Single herbal drugs
- b) Classical formulations
- c) Classical Unani formulations
- d) Proprietary formulations

During the last 8 years the Lab has generated revenue of **Rs. 6,14,600/-** from the testing fee of samples and analyzed more than 1700 samples of single drugs and compound formulations. Last year laboratory has received **527 samples** for testing out of which **409** samples were on the payment basis and has generated revenue of **Rs. 2,04500/-** .During the year 06-07 lab has tested **404** samples out of which **274** samples are on payment basis and has generated revenue of **Rs 1,37000/-**

Lab Achievements

DTL Joginder Nagar is one among the 30 selected ISM labs of India to whom central Assistance has been given and this lab is contributing to Develop Pharmacopoeial Standards for Ayurvedic Pharmacopoeia of India for single as well as compound drugs as per the guidelines of Pharmacopoeial Lab Ghaziabad and as per the directions issued by PEC.

This is the only ISM Govt, Lab in Northern India, which is standardizing & developing Pharmacopoeial Standards for single and compound formulations of the test samples/ being received from different agencies by charging a nominal test fee of Rs 500/- fixed by the Govt. of Himachal Pradesh

Development of Pharmacopoeial Standards for Ayu. Drugs/ formulations received from various Pharmacies of the state:

Against a target of 210 drugs fixed every year for the testing of the samples received from different sources the achievement of the lab for the last three years is as under:

NO OF AYURVEDIC DRUG SAMPLE/FORMULATIONS

Single			Compound		
Year	Govt Ayrvedic Pharmacy	Private Pharmacy	Govt Ayrvedic Pharmacy	Private Pharmacy	Total
2003-04	12	2	89	137	240
2004-05	47	24	24	139	234
2005-06	38	73	80	336	527
2006-07 (Up to 31-3-07)	34	5	96	269	404

Detail of Drug samples Received from Various Pharmacies During the Year 2005-06

<u>Name of Agency</u>	<u>No. of samples Received</u>
Private Pharmacies	409
OSD Ayurveda HP	06
GAP Joginder Nagar	64
GAP Paprola	12
GAP Majra	36
Total :	527

Detail of Drug samples Received from Various Pharmacies During the Year 2006-07

<u>Name of Agency</u>	<u>No. of samples Received</u>
Private Pharmacies	274
Dir Ayurveda HP	10
GAP Joginder Nagar	42

GAP Paprola (Research Drugs)	19
GAP Majra	59

Total : 404

A) R & D activities:

**I) Development of Pharmacopoeial Standards of ASU Drugs under APC
(A centrally sponsored Scheme 1998-2003)**

The project was taken up during the year 1998-99 and was for a period of three years with a target of ten drugs per year. The project period was extended up to 31/03/03. During the project period 31 drugs were received to develop Pharmacopoeial standards. 100 % targets have been achieved. The report of all the drugs as per the guidelines and requirements of the PEC committee i.e. No. of samples, botanical photographs and TLC fingerprinting etc. as submitted to the Ministry time to time. The detail of the allotted drugs is as under

Year	No. of single Drugs	Ayu. Formulations	Unani drugs	Total
1999-03	13	10	08	31

Out of the work done, the nine single drugs have been accepted by the PEC committee. Monographs of the five Single drugs have been published in the Vth Volume of Auyurvedic Pharmacopoeia of India (January 06).

Under the project "Strengthening of Drug Testing Laboratory " this lab has received a central assistance of Rs. 75.79+24.21=100.00 lacs for the following components:

Sr. No	Name of the component (Construction & fixtures)	Funds allotted
1.	Renovation/Add/Alteration	15.00 lacs
	Construction of New Block	19.55 lacs
2.	Instruments & Others	35.00 lacs
3.	Human Resources	6.24 lacs

Govt. of India Ministry of Health and Family welfare Department of AYUSH was requested to sanction more funds for the completion of construction work and for the procurement of the instruments etc. Ministry has sanctioned Rs. 24.21 lacs for the following components during the year 06-07.

1. Instruments 21.00 lacs
2. Manpower 03.21 lacs.

The funds worth Rs 1.00 Crore already allotted under the CSS “Strengthening of DTL Joginder Nagar “ are inadequate. More funds to complete the ongoing construction work are required.

Funds are also needed for the procurement of new instruments and fixtures for different Labs, which have been newly constructed so that these labs are made functional. Funds are also required for the recruitment of expert staff on contract basis to work on the latest instruments so that the scheme for which the assistance is being granted by GOI become a success. Proposals for that have been sent to the Ministry of H & F welfare Deptt of AYUSH New Delhi. Another Project for seeking more assistance under various components for further Strengthening of DTL worth to the tune of **Rs. 125.84** Lakhs has been sent to from GOI through Director of Ayurveda H.P Shimla. Base cost table is given below :

BASE COST TABLE

Component: Quality Control; Strengthening of DTL Joginder Nagar

Sr. No	Name of the component	Funds required
1.	Construction & fixtures	
	a) Construction of New Block (Completion of continuing work- & Providing fixtures, site development	06.50 lacs
	b) Construction of mini Pharmacy hall Under R&D	06.00 lacs
	c) Furniture for labs.	03.20 lacs
2	Human Resources (for two years)	11.40 lacs
	Training & workshops	01.00 lacs
3	Instruments & Others	
	Chemistry lab.	71.22 lacs
	R & D lab.	09.29 lacs
	Pharmacogonosy & Microbiology lab.	09.24 lacs
	Documentation / books & Journals etc.	<u>07.99 lacs</u>
<hr/>		
	Total	125.84 lacs

Development of Standard Operating Procedures

Under the Project Developing of Standard Operative Procedures (SOPs) of manufacturing process and the Pharmacopoeial standards of compound ,13 ASU drugs/formulations have been allotted to this Lab by the Deptt of AYUSH during the year 2003-04 with a financial assistance of Rs. 8.00 lacs ,This Project which is being executed jointly by Govt Ayu. Pharmacy Jogindernagar and this DTL.

Under this project following ASU drugs have been allotted for SOPs.

Sr. No	Name of Compound formulation	Book reference of formulas
1	Triphala Curna	AFI-1
2	Trikatu Curna	AFI-1
3	Chaturjata curna	AFI-1
4	Sitopladi Curna	AFI-1
5	Samsamani Vati	AFI-II
6	Kutajghan Vati	AFI-II
7	Gandhakadya Malhara	AFI-II
8	Paradadi lepa	AFI-II
9	Dasanga lepa	AFI-I
10	Kalakacurna lepa	AFI-I
11	Avalgujadi lepa	AFI-I
12	Sothaghna lepa	AFI-I
13	Sersapadi lepa	AFI-I

Analytical work of the following drugs with different batches has been workout :

- | | | |
|----|-----------------|-------------|
| 1. | Triphala Curna | Batch 1,2,3 |
| 2 | Kutajghan vati | Batch -1. |
| 3 | Samsamani Vati | Batch -1 |
| 4 | Trikatu Curna | Batch-1 |
| 5 | Caturjata Curna | Batch-1 |
| 6 | Sitopladi Curna | Batch-1 |

The report of work done has been submitted to GOI in the PEC meeting held on 13-15 Jan.07 at CCRAS HQ at Janakpur New Delhi. The manufacturing process of 2nd batch of Kutajghan vati and samsamani vati is under process and the analytical study of their raw herbs have been completed . The pending works pertaining to quality control, self life study and developing pharmacopoeial standards are under process.

V.Pharmacies

Govt. Ayurvedic Pharmacy,Jogindernagar,District Mandi(H.P.)

During this year the targets for the manufacturing of Ayurvedic Medicines were fixed by the department which are as under:-

Target Allotted for the year 2006-07	Targets Achieved up to 3/2007	Total Cost of Medicines prepared for the year 2005-06
1.	2.	3.
65	38	40,55,222/=

2. In addition to this Pharmacy also participate in "AROGYA-MELA-2006-07 at New-Delhi w.e.f 14th to 17th October, 2006 and exhibit the Manufacturing medicines.

Government Ayurvedic Pharmacy ,Majra, District Sirmaur(H.P.)

During the year the targets for the manufacturing of Ayurvedic Medicines were fixed by the Department which are as mentioned below:-

Asava Section

Target Allotted for the year 2006-07	Targets Achieved up to 3/2007	Total Cost of Medicines prepared for the year 2005-06
32416 Litres	19716.75 Litres	12,82,256/=
Total 21 Medicines	Total 16 Medicines	

Bhasm Section

Target Allotted for the year 2006-07	Targets Achieved up to 3/2007	Total Cost of Medicines prepared for the year 2006-07
8970 Kg.	3709 Kg.	7,56,157/=
Total 21 Medicines	Total 18 Medicines	

Vati Section

Target Allotted for the year 2006-07	Targets Achieved up to 3/2007	2006-07
900 Kg.	900 Kg.	2,85,850/=
Total 3 Medicines	Total 3 Medicines	

VI. Free Medical Camps

During the year 2006-07 the following free Ayurvedic Camps were held in the different are of the state:-

S.No.	Name of District	Place where Camps Held	Proposed Camp	Period	Patients Treated
1.	Kangra	1.)Ghamroor(Dehra)	Khashar Sutra	07.09.2006	70
		2.) Dhaliara(Dehra)	--do--	18.10.2006 19.10.2006 29.10.2006	66
2.	Mandi	1.) Diargi	--do--	22.11.2006 to 25.11.2006	126
3.	Solan	1.) Kunihar	Medical Camp	28.04.2006 to 30.04.2006	993
4.	Una	1.)Daulatpur Chowk	Health Mela	27.08.2006 to 29.08.2006	508
		2.) Ayurvedic Hospital Ispur	Panchakarma Camp	17.04.2006 to 27.04.2006	360
5.	Shimla	1.) Rohru	Panchkarma Camp	23.04.2006 to 13.05.2006	3532

VII. Right to Information and obligations of Public authorities.

INTRODUCTION;

It is a well established fact that Allopathic System of Modern medicines alone cannot meet the national health goals particularly those pertaining to public health. Traditional systems of medicine treat life as a fusion of body, mind, senses and soul and talk of positive health which can only be attained through harmony amongst physical, mental moral and spiritual states of the human being. This holistic view of health beyond the physical level closely corresponds to the composite definition of health as laid down by the World Health Organization which talks of “Health for All” and at all levels of human consciousness, physical, mental and social. Therefore, keeping in view the strength of the Indian System of Medicine and their outreach to the remotest villages in our country, there is glorious future ahead for providing an integrated health care system to our people.

The State Govt. is giving great importance to these traditional systems of medicine for which a independent department of ISM&H came into existence w.e.f. 7th November 1984. Following Systems of medicine come under this department 1) Ayurveda 2) Yoga 3) Unani 4) Sidha 5) Homoeopathy 6) Naturopathy 7) Panchakarma. In addition to this the department has opened 4 Amchi health centers based on Tibetan System of medicine in tribal areas of the State.

At the time of bifurcation in the year 1984 from Health and Family Welfare Department there were 424 Ayurveda, 3 Unani, 2 Homoeopathy Dispensaries and 12 Ayurvedic Hospitals functioning in the State. Apart from these institutions, there was a Govt. Ayurvedic College at Paprola, one Research Institute in ISM at Joginder Nagar and two Pharmacies for the manufacturing of Ayurvedic Medicines in the department. However during these years the Department has seen phenomenal growth in term of number of institutions and infrastructural development

As a result of this the unprecedented growth today state of Himachal Pradesh has become on of the leading state in the country in the field of promotion and development of ISM&H

(A) Hospitals /Health Centers

Over the years the Indian Systems of Medicines and Homoeopathic Institutions have grown up from 441 to 1151, the detail of which is as under:-

1.	Regional Ayurvedic Hospital (100/50-bedded each)	02
2.	Ayurvedic Hospitals (20-bedded-4,10-bedded-18)	22
3.	Ayurvedic Health Centre	1105
4.	Homoeopathic Health Centre	14
5.	Unani Health Centre	03
6.	Nature Cure Hospitals	01
7.	Amchi Clinics	04
	Total:	<u>1151</u>

(B) Other Institutions:-

1.	Ayurvedic Post Graduate College, Paprola	01
2.	Ayurvedic Pharmacies J.Nagar, (Mandi), Majra (Sirmour) and Paprola.(Kangra).	03
3.	Drug Testing Lab. Joginder Nagar.	01
4.	Research Institute in I.S.M., J.Nagar	01
5.	Herbal Gardens J.Nagar, Neri(Hamirpur) Dumrehra (Rohru) in Shimla	03

**Administrative set up of ISM Department in H.P.
Secretariat Level**

Hon'ble Chief Minister, H.P.
(Holding the Portfolio of Ayurveda Department)
Secretary (Ayurveda) to the Govt. of H.P.
Branch Officer
Ayurveda Branch

Directorate of Ayurveda.

Ever since the inception of the Department of Indian Systems of Medicine & Homoeopathy in 1984, there has been an independent Minister in charge of this Department and Senior, I.A.S./ H.A.S. Officers who have held the charge of Director. One Additional Director from the State Civil Services, and one Officer-on -Special Duty (HQ.) and two Assistant Directors

being professionals assist the Director of the Department. At the district level there is a District Ayurveda Officer in each of 12 districts. Apart from this 36 Sub Divisional Ayurveda Medical Officers are functioning at the Revenue Sub Divisional levels.

DISTRICT LEVEL SET UP

Before the bifurcation of the Department of ISM&H staff was working under the control of respective Chief Medical Officers and the activities concerning ISM&H were being carried out through Ayurvedic inspector. However, with the establishment of an independent Department of ISM&H, posts of District Ayurvedic Officers were created who were given powers to run the activities of ISM&H in their respective Districts.

In a District, the basic Unit for rendering ISM&Health care services is called Ayurvedic Health Centre. Each such Centre has generally strength of 5 workers including one doctor, one pharmacist, one ANM/Dai, one Class-IV and one Sweeper(regular/part time). At 10 District Headquarters there is an Ayurvedic hospital with a bed capacity of 10/20 with fourteen employees consisting of Doctors and Para Medical staff who look after both indoor and outdoor patients. However, most of the Ayurvedic Health centers are located in far flung areas of Himachal Pradesh where health institutions like PHCs, CHC's, CDs, SCs do not exist and health care delivery is manned essentially & exclusively by Ayurvedic Institutions

All the Ayurvedic health centers and hospitals are being administered/supervised, supplied medicines etc.from District headquarters.

DECENTRALIZATION OF ADMINISTRATION STRUCTURE

The chief functionary of the Department of ISM&H in the District is called for District Ayurvedic Officer. In order to decentralize the administrative structure the Govt. open 36 Sub Divisional Ayurvedic Offices coterminous with Revenue Sub Divisions. The administrative and DDO powers have been decentralized from District Headquarter to these Sub Divisional Ayurvedic Medical Officers. This decision has provided an administrative set up close to the doorsteps of the people to attend to their health needs and also for effective supervision of AHCs and Hospitals.

Health Care Services

Primary level institutions:

The department has a large network of Primary and Secondary level Institutions. The basic primary unit is a Ayurvedic Health Centers. It covers a population of 3000 to 5000 and caters to outdoor patients only. Normally medicines worth Rs. 25,000 approximately are provided free of cost every year to each AHC.

Besides above the Govt. of India is a providing sufficient fund under the Pilot Scheme for “**Supply of Essential drugs**” to the institutions functioning in Backward/rural area of the Pradesh @ Rs.25, 000/-per institutions.

Secondary Level Institutions:

Secondary health care unit is Govt. Ay. Hospitals. These hospitals are normally located at Distt. Sub Divisional level. These hospitals are provided with 10/20 indoor beds, which cater to the secondary health care needs of about 10 to 20 thousand people. One specialist is posted in each of these hospitals in addition to two Ay. Medical Officers.

Territory Level Institutions:

The territory health care unit are 2 Regional Ay. Hospitals at Paprola, Distt. Kangra and Shimla, having bed capacity of 100 and 50 respectively. The Rajiv Gandhi Ayurvedic Hospital, Paprola is emerging as a State of the Ayurvedic speciality hospital with all the speciality departments. Although it is a 100 bedded hospital with 3 clinical specialties departments i.e. Kayachikitsa, Shalaya and Bal Roga.

Rajiv Gandhi Government Post Graduate Ayurvedic College, Paprola

The intake capacity for seats in Bachelor of Ayurvedic Medicine and Surgery (BAMS) course in Ayurvedic College, Paprola was 20 during 1987-88 which was subsequently raised to 30. On persistent demand from

the public, the Government increased the number of seats from 30 to 50 during 1998-1999.

The course of study for BAMS Degree is five and half years which includes one year compulsory rotary intern-ship and is governed by the rules and regulations of H.P.University, Shimla to which this Institution is affiliated.

There were no PG. Courses in any subject till 1997-98. To provide PG education in the College, the Govt. Started three PG.Courses in the faculty of Kaya Chikitsa, Shalya and Shalakaya Tantra in the year 1999-2000. The aim of introducing PG courses is to provide educational inputs to students and make them. Professionally competent as Teacher, Researchers and Specialities in their respective field of specialists in their respective field of specialization. The Institute follows the syllabus and curriculum prescribed by the Central Council of Indian Medicine and as approved by the H.P. University. The Post Graduate course is of three years duration. The student's intake breakup is as under:-

1.	Kaya-Chikitsa	06
2.	Shalya Tantra	04
3.	Shalakaya Tantra	04

Besides above the Govt. has also started PG course in three new subjects, the students intake breakup of which is as under:-

1.	Prasuti Tantra	03
2.	Samhita Sidhant	04
3.	Ras Shastra	03

The State Government has been providing adequate funds for creating infrastructure in the College. Hostels for Boys & Girls as well as residential accommodation for teaching non teaching staff have been constructed.

The Govt. of India Ministry of Health & Family Welfare (AYUSH) is also providing sufficient funds under various Centrally sponsored schemes for the Strengthening/ up gradation of UG/PG Colleges of ISM&H.

Govt. Ayurvedic Pharmacies:

There are three Departmental Pharmacies at Majra, Jogindernagar and Paprola. The Pharmacies at Majra and Jogindernagar were established during 1952-53. These Pharmacies are being run departmentally and manufacturing Ayurvedic Drugs for free distribution through ISM Institutions.

Drug Testing Laboratory, Jogindernagar:

To keep quality control of drugs is very essential for establishing their efficacy. This in turn depends upon the genuineness and freshness of herbs which necessitates proper scrutiny and certification of crude drugs to ensure that the active principle in desired proportion is present in the herb. For this purpose a DTL has been established at Jogindernagar.

Establishment of Herbal Gardens in the State.

The department has established following herbal gardens under different Agro-climatic Zones of the Pradesh for cultivation, conservation, propagation and development of varied medicinal plants to meet out the requirement of herbs for its use in manufacturing Ayurvedic medicines in departmental/ private pharmacies.

i) Herbal Garden, Joginder Nagar (Distt. Mandi)

This garden has been developed in 25 acre land where more than 200 species of medicinal plants of different varieties have been propagated for demonstration purposes.

This institute is conducting various research activities for developing the Agro-techniques of medicinal plants. 10 species of medicinal plants have been developed in the State sector and their seeds/ planting material are being provided to the farmers

The farmers are being supplied the seedling materials for cultivation in their fields to generate income at their own.

OTHER ACTIVITIES AT HERBAL GARDEN, JOGINDER NAGAR

i) Ayurveda Herbarium:-

An Ayurveda Herbarium has been established at Jogindernagar to keep the specimen of Medicinal Plants systematically & scientifically. As such a large number of specimens of Herbarium sheets, jars etc. have been displayed & preserved in a scientific manner.

ii) **Farmers Training Camps & Departmental Exhibitions:-**

Farmers training camps are being organized at the various places of the State to create awareness amongst them regarding identification, propagation, cultivation, conservation and utility of medicinal plants existing in their surroundings and in the state of HP.

iii) **Herbal Garden Neri (Distt. Hamirpur)**

The department has acquired an area of 28 acres of land at Neri in Hamirpur District during the year 1996 to establish herbal Garden under Sub tropical zone. About 10 acre land has been developed and nurseries have been set up to grow / cultivate various types of medicinal plants. The department has raised nurseries of medicinal plants namely:- Tulsi, Bhringraj, Bhakuchi, Bala, Atibala, Akarkara, Chitrak, Kapoor Tulsi, Kali Tulsi, Lazzalao, Malkangani, Kalihari, Khair, Amla, Jaiphal, Gunja, Vilas, Suhanjan, Amaltas, Bhera, Harar, Shyonak, Karipatra (Meetha-Neem), Bhumiamla, Ulat Kmbal, Safed Musli and Satavar.

C. Herbal Garden, Dhumrera (Rohroo) in Shimla District

To develop and propagate important species of the medicinal plants of Temperate Wet Agro-Climatic zone, the department has set up a herbal garden at Dhumrera (Rohroo) in Shimla district. The main focus to develop this garden is to grow high valued threatened species of temperate medicinal plants. The number of these valuable species is about twenty four.

D) Herbal Garden, Jungle-Jhalera (Bilaspur)

The department has selected about 19 hect. of land for setting up a herbal garden under Sub-Tropical climatic zone at Jungle-Jhalera of Bilaspur district. The activities of development of Agro-techniques of some of the selected species of medicinal plants shall also be undertaken in this garden.

Participation in Trade Fairs/Exhibitions:

In order to popularise the Indian Systems of Medicine amongst the people the department is organizing training camp on Panchkarma and Kshar sutra at Govt. Rajiv Gandhi Ayurvedic Post Graduate Institute, Paprola and at each District Headquarter on public demand. Apart from this farmer training camps, exhibition-cum-sale camps are also being organized at different places within and outside the State.

The Powers and duties of officers

- (a) Administrative Powers
- (b) Statutory Powers

(a) Administrative Powers :- _____ All the Administrative/ financial powers are exercised by the Director as Head of the Department. The financial powers are further delegated by the head of the department to the District and sub-divisional officers. Brief details of the Administrative powers of head of the Department are given as under :-

- (1) Transfer and promotion of Class-III and IV employees.
- (2) Imposing of minor / major penalties under CCS(CCA) Rules, 1965 in respect of Class-III and IV employees.
- (3) To sanction all kinds of leave.
- (4) Final authority to accept /review the ACRs remarks for class III and IV employees.
- (5) To issue direction/ instruction to the officer / employees working under his control to bring efficiency in working of the department.

(b) Statutory Powers of Officers

- (1) Departmental Audit
- (2) Registration of ISM&H practitioners in the Pradesh.
- (3) To issue license for the manufacture / sale of ISM&H medicines.
- (4) Inspection of field institutions.
- (5) Departmental inquiries of officers/ employees.
- (6) Execution / implementation of orders.
- (7) Appeals, review and revision.

Employees of the Department assist officers in discharge of above powers and duties.

The Procedure followed in decision making process including channels of supervisions and accountability.

The norms set by it, for discharge of its functions:-

- (a) Administrative matters:- In order to bring about efficiency in administration and to ensure speedy disposal of work, following procedure including channels of supervision and accountability in decision making on the references received from the various quarters i.e. Government and general public is adopted as under :-
- (i) all the references are received in the office and then diarist indicates date of receipt of office diary number and name of the D.A. on the references.
 - (ii) The references are then assigned to the concerned D.As.
 - (iii) Dealing Assistants deals it on proper file after recording in the Assistant Register maintained by each D.A.
 - (iv) Reference(s) / matter than placed for examination before the branch officers through ministerial level officer/ official.
 - (v) Some of the ordinary references, which are off inforamatory nature and calls for no action, are ordered by branch officers to file such references. There are also some references, which can be disposed off at branch officers level.
 - (vi) Rest of the references after proper scrutiny place before the Head of the Department for the final decision.
 - (vii) There are certain matters such as amendment in R&P Rules, appointments/recruitments of daily wagers/part time workers and budgetary provisions are referred to the Government for final decision.

Norms or time fixed for disposal of references

- (i) All the references according to their nature and importance are divided into three categories viz. Immediate, urgent and ordinary. The time limit for disposal of references in each category at all level fixed in the office manual which is as under :-

Nature of Reference	time allowed for dealing	Time allowed for disposal at the level of section officer/Branch officer
Immediate	2 days	One day at each level.
Urgent	4 days	Two days at each level.
Ordinary	6 days	Three days at each level.

References remain unattended/ un disposed off at the end of above time limit are considered as delayed.

(ii) Public Grievances and redressal thereof are dealt with utmost promptness. The branch officers interact with other Departments, Directorates and field offices for ensuring timely action on all matters relating to their Branches/sections including public grievances and complaints etc.

(iii) In no case references be kept pending beyond the above fixed limit. Any delay in disposal of references after the time limit fixed in office manual is treated as negligence of duty/lack of devotion to duty and is liable to be proceeded against under CCS (Conduct) Rules.

(iv) The matter relating to the policy, Rules and regulations are put up to the higher level.

(v) If the duty of the Branch officer concerned keep chasing/following up important matter under correspondence with other Department/ subordinate offices and Government.

(vi) Each branch officer identifies the priority areas or thrusts are pertaining to his subjects. Such issues are vigorously followed till the conclusive stage is reached.

Legal Matters

Legal references are directly dealt in the legal cell and dealing assistant after scrutinizing the case submit the same before the Head of Department through concerned Branch Officer.

B. Statutory Matters.

- (1) Registration: - Registration of ISM&H paractioners in the Pradesh.
- (2) Audit of all Institutions
- (3) Inspections of the Institutions.
- (4) Settlement of the Departmental disputes / inquiries.
- (5) Appeal, Review and Revision.

The rules, regulation instructions, manual and records held by it or under the control or used by its employees for discharging its functions.

- (1) H.P. Ayurvedic & Practitioners Act & rules.
- (2) H.P. Homoeopathic Practitioners Act / Rules.
- (3) Audit /Inspection reports of various institutions.
- (4) Office manual.

- (5) CCS leave Rules 1972.
- (6) CCS and CCA Rules.
- (7) Himachal Pradesh FR & SR Rules.
- (8) GPF Rules/ Pension Rules.
- (9) Medical Attendance Rules.
- (10) Leave Travel Concession Rules.
- (11) HBA advance Rules.

A Statement of Categories of documents that are held by it or under its control. The Particulars of any arrangement that exists for consultation with, or representation by, the members of the public in relation to formulation of its policy or implementation thereof,.

1. Annual Administrative Report of the department. (is being published annually)
2. Institutional Directory of the Department. (is being published when any change occurred)

A statement of the boards, councils, committees and other bodies consisting of two or more persons constituted as its part or for the purpose of advice, and as to whether meetings of those boards, councils, committees, other bodies are open to the public, or the minutes of such meeting are accessible for public.

The H.P. Ayurvedic and Unani Board and Homoeopathic Council at present headed by the Registrar with overall control of the Head of the department, who is Chairman of the Board/Council.

A Directory of its Officers and employees. The monthly remuneration received by each of officer and employees, including system of compensation as proved it its regulations.

STATUS OF STAFF IN THE DEPARTMENT OF ISM&H

S.No.	Designation	Sanctioned	Filled up	Vacant
1.	Director	01	01	-
2.	Addl./Joint Director	01	01	-
3.	Administrator	01	--	01
4.	Assistant Director	02	02	--

5.	Officer on Special Duty	01	01	--
6.	Manager Ayurvedic Pharmacy	03	01	02
7.	Special Officer Pharmacy	01	-	01
8.	Medical Superintendent	02	-	02
9.	Distt.Ayurvedic Officer	12	11	01
10.	Scientific Officer	01	-	01
11.	Radiologist	01	-	01
12.	Anesthetist	01	-	01
13.	Principal	01	-	01
14.	Professor	11	04	07
15.	Reader	21	07	14
16.	Project Officer	01	--	01
17.	Sr. Ayurvedic Chikitsak	16	06	10
18.	Sr.Lecturer	17	14	03
19.	Lecturer	16	14	02
20.	Botanist	01	-	01
21.	Pharmaceutical Chemist	01	-	01
22.	Sub Divisional Ayurvedic Medical Officer	36	36	-
23.	Ayurvedic Medical Officer	1144	1004	140
24.	Homoeo. Medical Officer	14	11	03
25.	Unani Medical Officer	03	03	-
26.	Amchi Chikitsak	04	01	03
27.	Trg.& Publicity Officer	01	-	01
28.	Herbarium Incharge	01	01	-
29.	Asstt.Manager Pharmacy	02	01	01
30.	Supdt.Gr.I	05	04	01
31.	Supdt.Gr.II	20	20	--
32.	Section Officer(SAS)	03	02	01
32.	Sr.Assistant	45	45	-
33.	Jr.Asstt./Clerk	109	95	14
34.	Personal Assistant	01	01	--
35.	Sr.Scale Stenographer	01	01	-

36.	Jr.Scale Stenographer	01	01	-
37.	Steno Typist	05	03	02
38.	Stastical Assistant	02	-	02
39.	Garden Incharge	04	03	01
40.	Ayurvedic Pharmacist	1171	593	578
41.	Homeopathy Compounder	14	13	01
42.	Amchi Pharmacist	04	-	04
43.	Staff Nurse	51	33	18
44.	Ward sister	03	02	01
45.	ANM	189	155	34
46.	Dai	891	528	363
47	Lab. Technician	32	18	14
48	Technical Assistant	03	-	03
49	Physiotherapist	01	-	01
50.	Lab. Attendant	18	13	05
51	Mechanic	03	01	02
52.	Yoga Instructor	01	-	01
53.	Artist	01	01	--
54.	Asstt.Librarian	01	01	-
55.	Electrician	01	01	-
56.	Plumber	01	01	-
57.	Operation Theatre Assistant	01	--	01
58.	Radiographer	01	01	-
59.	Darkroom Assistant	01	-	01
60.	Asstt.Botanist	01	01	-
61.	Scientific Assistant	02	01	01
62.	Lab .Assistant(Research)	02	01	01
63.	Lab Assistant	02	-	02
64.	Driver	19	17	02
65.	Class-IV	1080	678	402
66	Sweeper	167	164	03
66.	Daily Wager Class-IV	180	143	37

67.	Daily Wager Sweeper	12	06	06
68.	Part time Class-IV	189	184	05
69	Part Time Sweeper	764	665	99

Budget Position: The total budget of the Department is Rs.51,29,84,000 which is distributed to the Sub offices according to existing institutions.

The particulars of facilities available to citizens for obtaining information including the working hours of a library, or reading room, if maintained for public use.

Whenever, a new scheme is launched or Act/Rules are amended, or any new policy initiative is taken, general public is informed through press notes briefings and also through educational advertisements. However, any citizen is welcomed during the office hours i.e. 10.00 A.M. to 5.00 P.M. for obtaining information.

The names, designation and other particulars of the public information officers.

At Government level

S. No.	Designation	Complete Office Address	Office Telephone No.	E-mail Address	Jurisdiction/Units under his control for which he will rendering information to application
1.	Principal Secretary Ayurveda Appellate Authority	#201 Armsdale Building ,H.P. Secretariat, Shimla-2	0177- 2620560	--	Administrative Department at Secretariat Level
2.	Joint Secretary, Ayurveda Public Information Officer	#207 Armsdale Building ,H.P. Secretariat,	0177- 2828498	--	-do-
3.	Section Officer, Ayurveda Asstt. Public Information Officer	#527 Armsdale Building ,H.P. Secretariat,	0177- 2880504	--	-do-

The names / designation of PIO/ APIO and Appellate Authority

State Level

DEPARTMENT / PUBLIC AUTHORITY: - Director, Indian System of Medicine & Homeopathy, H.P. Shimla-9.

S. No.	Name of Appellate Authority/ PIO and APIO 2	Designation & Office Address. 3	Jurisdiction [area/subject] 4	e-mail (if any) 5	Telephone/Fax number (Office) (Resi) 6
1	Dr. Sunil Chaudhary (Appellate Authority)	Additional Director (ISM&H)	Over all Ayurvedic Institutions of the State	--	0177-2623978
2	Dr. R.P. Sood, (PIO)	Assistant Director (ISM&H)	Over all Ayurvedic Institutions of the State	--	0177-2623978, 2623066
3	Sh. H.S.Mehta (APIO)	Superintendent Gr.-I (ISM&H)	--do--	--	--do--

Distt. Level

DEPARTMENT / PUBLIC AUTHORITY: - Director, Indian System of Medicine & Homeopathy, H.P. Shimla-9.

PIO's at Distt. Level .

S. No.	Designation	Complete Office Address	Office Telephone No.	E-mail Address	Jurisdiction/Units under his control for which he will rendering information to application
1.	Distt. Ayurvedic Officer	O/o of Distt. Ayurvedic Officer under (ISM&H), Distt. Bilaspur Himachal Pradesh.	222486	-	Distt Bilaspur (Ay. Units/Institutions in the Distt.)
2.	Distt. Ayurvedic Officer	O/o of Distt. Ayurvedic Officer under (ISM&H), Distt. Chamba, Himachal Pradesh.	222669	-	Distt. Chamba (Ay Units/Institutions in the Distt.)
3.	Distt. Ayurvedic Officer	O/o of Distt. Ayurvedic Officer under (ISM&H),	222539	-	Distt. Hamirpur (Ay.Units/Institutions in the

		Distt. Hamirpur, Himachal Pradesh.			Distt.)
4.	Distt. Ayurvedic Officer	O/o of Distt. Ayurvedic Officer under (ISM&H), Distt. Kangra, Himachal Pradesh.	223202	-	Distt. Kangra (Ay.Units/Insti tutions in the Distt.)
5.	Distt. Ayurvedic Officer	O/o of Distt. Ayurvedic Officer under (ISM&H), Distt. Kinnaur, Himachal Pradesh.	222209	-	Distt. Kinnaur (Ay.Units/Insti tutions in the Distt.)
6.	Distt. Ayurvedic Officer	O/o of Distt. Ayurvedic Officer under (ISM&H), Distt. Kullu, Himachal Pradesh.	222637	-	Distt. Kullu (Ay.Units/Insti tutions in the Distt.)
7.	Distt. Ayurvedic Officer	O/o of Distt. Ayurvedic Officer under (ISM&H), Distt. L&S, Himachal Pradesh.	222271	-	Distt. L&S (Ay.Units/Insti tutions in the Distt.)
8.	Distt. Ayurvedic Officer	O/o of Distt. Ayurvedic Officer under (ISM&H), Distt. Mandi, Himachal Pradesh.	223362	-	Distt. Mandi (Ay.Units/Insti tutions in the Distt.)
9.	Distt. Ayurvedic Officer	O/o of Distt. Ayurvedic Officer under (ISM&H), Distt. Shimla, Himachal Pradesh.	2658628	-	Distt. Shimla (Ay.Units/Insti tutions in the Distt.)
10.	Distt. Ayurvedic Officer under (ISM&H)	O/o of Distt. Ayurvedic Officer under (ISM&H), Distt. Sirmaur, Himachal Pradesh .	222567	-	Distt. Sirmaur (Ay. Units/Institio ns in the Distt.)
11.	Distt. Ayurvedic Officer	O/o of Distt. Ayurvedic Officer under (ISM&H), Distt. Solan, Himachal Pradesh.	223538	-	Distt. Solan (Ay.Units/Insti tutions in the Distt.)

12.	Distt. Ayurvedic Officer	O/o of Distt. Ayurvedic Officer under (ISM&H), Distt. Una, Himachal Pradesh.	226011	--	Distt. Una (Ay.Units/Institutions in the Distt.)
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VIII. Budgetary Provision

1. Five Year Plan	= Rs. 27374 Lacs
2. Annual Plan 2006-07	= Rs. 3977 Lacs

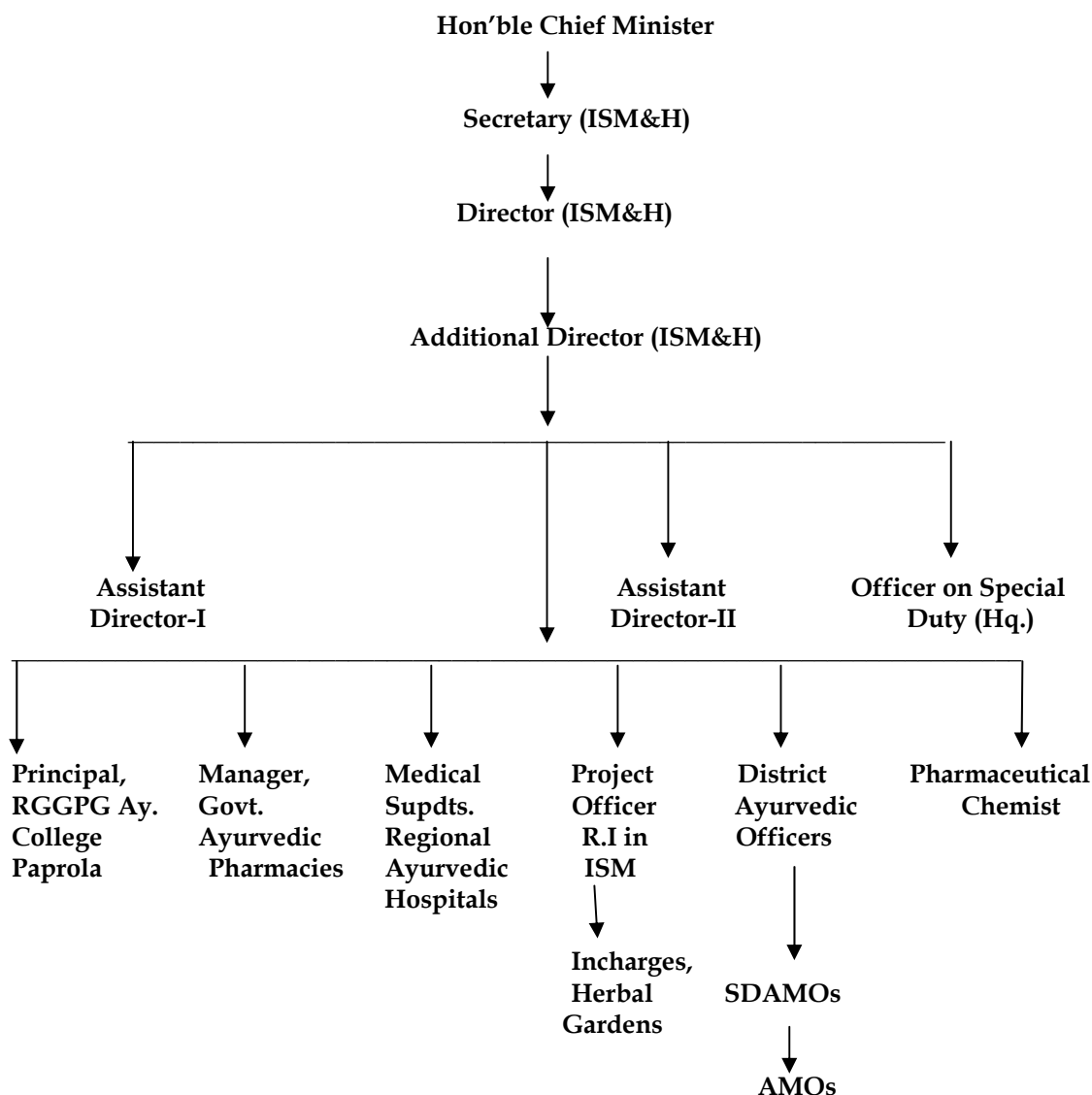
INTRODUCTION

Indian Systems of Medicines & Homoeopathy plays a vital role in providing health care to the people of remotest area of the state. The systems is well entrenched in the mind set of the people and is popular amongst the rural as well as the urban population of the state for the treatment of the chronic diseases like Asthma, Stomach ailments, neurological problems, spinal problems particular in lumber region, slip disc, fissures and fistula. The detail of the Departmental Institutions is as under:-

1.	Regional Ayurvedic Hospitals (50/100 bedded)	02
2.	Ayurvedic Hospitals (10/20 bedded)	22
3.	Nature care Hospital	01
4.	Ayurvedic Health Centers	1105
5.	Unani Health Centers	03
6.	Homoeopathic Health Centers	14
7.	Panchkarma Centers	03
8.	Amchi clinic	04

During the year 2006-07 in the above Institutions 38,843 indoor and 52,95,414 outdoor patients were treated.

ADMINISTRATIVE SET UP OF DEPARTMENT OF INDIAN SYSTEM OF MEDICINE AND HOMOEOPATHY HIMACHAL PRADESH.



The strengthening and improvement of infrastructure of existing of existing Ayurvedic Pharmacies and drug Testing Laboratory have also been taken up for manufacturing high quality medicines ,Stringent checks are carried out both in the Government as well as in private pharmacies. The Government has also laid special emphasis for the promotional cultivation and propagation of the medicinal plants. A different herbal gardens are set up in different agro climatic zones. Besides this, the Government intends to develop Rajeev Gandhi Government Post Graduate Ayurvedic College Paprola in to a “Model College” as per Government of India provisions.

INITIATIVE FOR EXPANSION OF AYURVEDA SYSTEM IN THE PRADESH

The following initiatives have been taken up for the expansion of Indian System of Medicine and Homoeopathy services in the State:-

1. To provide ISM&H services at village level or in such places where no Health Institution Exists.
2. To provide intensive training to doctors and Para-Medical staff through the re-orientation training programmes.
3. To Establish herbal gardens in the different Agro-climatic Zones.
4. To strengthen the existing departmental pharmacies.
5. To organize farmers training camps to create awareness amongst the farmers for cultivation, conservation ,propagation and utilization of medicinal flora in Himachal Pradesh.
6. To develop Rajiv Gandhi Government Post Graduate, Ayurvedic Collage, Paprola as a “Model College”

1. RAJIV GANDHI GOVERNMENT POST GRADUATE AYURVEDIC COLLEGE, PAPROLA, DISTRICT KANGRA(H.P.).

Introduction

Rajeev Gandhi Govt. Postgraduate Ayurvedic College, Paprola is the only Ayurvedic College in the state of Himachal Pradesh. The Collage is situated on small hills, which are rich in natural flora and fauna including many important medicinal plants. The college is affiliated with the Himachal Pradesh University for the award of B.A.M.S. Degree with the intake capacity of 50 students and Post Graduate Degree(MD/MS(Ay.)) in six specialties viz Kayachikitsa ,Shalya, Shalkya, Prasuti Tantra, Samhita Sidhant, Ras Shastra. During the year 1998 the Government of Himachal Pradesh started Post Graduate Courses in three specialties i.e. Kayachikitsa, Shalya and Shalakya . During the year 2004-05 three new subject namely Prasuti Tantra, Samhita, Sidhant and Ras shastra were introduced. The number of seats available for the under graduate and post graduate courses as well as 14 departments of college are as under:-

B.A.M.S.	50
M.D./M.S.	
1. kayachikitsa	06
2. Shalya	04
3. Shalakaya	04
4. Prasuti Tantra	03
5. Samhita Sidhant	04
6. Ras Shastra	03

The detail of 14 Departments in Rajiv Gandhi Govt. Post Graduate Ayurvedic College, Paprola, District Kangra, H.P.

1.	Department of kayachikitsa	P.G.
2.	Department of Shalya Tantra	P.G.
3.	Department of Shalakaya	P.G.
4.	Department of Samhita, Sanskrit and Sidhant	P.G.
5.	Department of Prasuti Tantra Stri Roga	P.G.
6.	Department of Ras Shastra & Bhaishjya Kalpana	P.G.
7.	Department of Kumar Bhairtya	
8.	Department of Dravyaguna	
9.	Department of Sharir Rachna	
10.	Department of Shrir Kriya	
11.	Department of Roga Nidan	
12.	Department of Swasta Vrita	
13.	Department of Agad Tantra & Vidhi Ayurveda	
14.	Department of Panchkarma.	

Academic Result

Name of Class	Pass %age
B.A.M.S.	
B.A.M.S. 1 st Prof.	95%
B.A.M.S. 2 nd Prof.	76%
B.A.M.S. 3 rd Prof.	87%
M.D./M.S.	
M.D./M.S.(Ay.) 1 st Year	70 %
M.D./M.S.(Ay.) Final Year	64%

Academic Tour

- Education tour of 3rd Prop. has been conducted w.e.f. 25.03.2006 to 08.04.2006 at Nasik(Maharashtra)
- Education tour of 2nd Prop. Has been conducted w.e.f. 14.11.2006 to 25.11.2006 at jaipur(Rajasthan)
- Forensic medical tour of B.A.M.S. 2nd prop. has been conducted w.e.f. 02.08.2006 to 13.08.2006 at IGMC, Shimla

I. Construction Works

1. Model College Hospital

The construction work of the third story lenter level is in progress .This new building will have space for operation theatre, Yoga and naturopathy. The initial estimates for which AA/EE has been issued by the Government to Rs. 2.58 Crore. Which has subsequently revised to Rs. 403.00 Lakh. The Government of India sanctioned central assistance of Rs. 1.40 crore for hospital building under “**Model College Scheme**” and the Government of Himachal Pradesh provided 50.20 Lakh up to the year 2006-07.

2. Library Block

Construction of library Block has been completed during the year of 2006-07. The total expenditure on construction is Rs. 1,22,68,000/=.The Block has been provided space for Administrative and Library of the College . The Construction work was executed by the H.P.P.W.D.

3. Additional Pharmacy Building

The construction work for additional Pharmacy Building with Central Assistance of Rs. 77.79 Lakh and State Fund of Rs. 0.20 Lakh is in progress & is ready to be completed soon. The building have also space for quality control laboratory and other research activities to M.D. Students.

II. Rajiv Gandhi Government Ayurvedic Hospital Paprola, District Kangra

The following facilities are available in the Hospital:

1. O.P.D.
2. Major O.T.
3. Minor O.T.
4. Labour Room
5. X-Rays / U.S.S./ E.C.G.
6. Hematological Lab./Bio Chemistry lab.
7. Dental Unit
8. Immunization
9. Physiotherapy
10. Panchkarma
11. special Ward

Clinical Department

- a. kayachikitsa
- b. Shalya
- c. Shalakaya
- d. Bal Rog
- e. Prasuti Tantra
- f. Panchkarma
- g. Saidhantik Chikitsa
- h. Rog Nidan
- i. Swasth-Vrita

III A. HERBAL GARDENS :

A.1 HERBAL GARDEN JOGINDER NAGAR (April 2006 - March 2007) :

a.	Total garden land :	24 Acres
	Area covered under garden activities:	18 Acres
	Area reserved for future planning:	6 Acres
a.1	Land under Buildings & other infrastructure (Farmers Training Hostel, Herbal Store & Tissue Culture) :	1.61 Acres
a.2	Area under perennial plantation :	
	(i) Area under Trees:	3 Acres
	(ii) Area under climbers & shrubs:	3 Acres
	(iii) Area under herbs & grasses:	1 Acre
a.3	Land under experimental cultivation, agro-technique development, poly house, nurseries and seed multiplication area :	4 Acres
a.4	Water channels / Tanks / Nalas :	0.39 Acre
a.5	Area under developing stage :	1.5
Acres		
a.6	Demonstration Area :	2 acres
a.7	Roads / Paths :	1.5 Acres

b. Infrastructure in Garden :

b.1 Poly Houses :

- I) 2 Nos. each measuring of 5x25 meters fitted with cooling fans and modern irrigation facilities.
- II) 4 Nos. of each measuring 4x10 meters fitted with sprinkler irrigation system.

These poly houses are used for development of Agro-technique under controlled conditions.

b.2 Shading Net Nurseries : One Shading net nursery has been constructed in the garden for keeping the temperate medicinal plants for demonstration purpose and to raise the germplasm for developing of agro-techniques e.g. *Bergenia ligulata* (Pashanbhed), *Urgenia indica* (Jangli Piaaz), etc.

b.3 Construction of drying / storage shed (size 9 x 8 mtr.) from dismantled DTL building material was done on temporary basis.

c. Detail of work done From 1st April, 2006 -31st March, 2007 :-

c.1 Land preparation : 5 Acres

Land is prepared to carry out the various activities related to nursery development and field cultivation of scheduled species of medicinal plants which includes experimental as well as normal cropping of plants whose agro techniques are already developed.

c.2 Seedlings/ stem cuttings : Nurseries in 2000 sqm. area.

c.3 Seedlings raised in Open field condition : Plants seedlings of 18 different species have been raised in nurseries beds to meet the schedule of experimental cultivation of species at large scale viz. Tulsi, Akarkara, Lajwanti, Bhringraj. Pudina, Stevia, Bala, Latakasturi, Chitrak, Kapoor Tulsi etc.

c.4 Seedlings raised in Polyhouses : Seeds were sown in polyhouses and seedlings raised of different strains of Tulsi (10,000 No.)and other plant species viz. Brahmi , Serpgandha , Ashwagandha , Shataveri , Sanswai , Stevia , Bael , Banaksha etc.

c.5 Plants raised in poly tubes : About 8500 plants of different species were raised in poly tubes. The important species are :-

Sr. No.	Botanical Name	Common name
1	<i>Asparagus adscendens</i>	Shataveri
2	<i>Cinnamomum camphora</i>	Karpur
3	<i>Cinnamomum tamala</i>	Tejpatra
4	<i>Emblica officinalis</i>	Amla
5	<i>Jasminum</i> spps.	Chameli
6	<i>Oroxylum indicum</i>	Seonak
7	<i>Plumbago zeylanicum</i>	Chitrak
8	<i>Rauwolfia serpentine</i>	Serpgandha
9	<i>Sapindus mukorossi</i>	Ritha
10	<i>Saraca indica</i>	Sita Ashok
11	<i>Stevia rebaudiana</i>	Stevia
12	<i>Terminalia arjuna</i>	Arjun
13	<i>Terminalia belerica</i>	Vibhitak
14	<i>Terminalia chebula</i>	Harad
15	<i>Thevetia nerifolia</i>	Pili Kaner

c.6 Field transplantations :

3000 plants were transplanted in the field pits from polytube nursery and 10,000 seedlings of Tulsi strains were transplanted from polyhouse into field beds .

c.7 Sale of Germplasm :

Seed, plants & plant cutting of **Rs. 45346/-** were sold to farmers, NGOs. & Other Govt. agencies etc.

c.8 Raising of plants in Green house conditions : Important temperate & subtropical plants have been raised under controlled conditions of greenhouse by seeds viz. 1. Asparagus recemosus ('krkoj), & A. adscendens (Sanswai) 2. Ocimum sanctum (';kek rqylh), 3. Hypericum perforatum (olUr), 4. Bacopa monnieri (czāh), 5. Rauwolfia serpentina (liZxU/kk), 6. Embelia sps., 7. Chlorophytum borivilianum & chlorophytum arundinacium.

c.9 Germplasm domestication / multiplication : Some species of temperate region of H.P. collected during the field visit/survey were put for domestication under the shade net house conditions. These sps. are still under trial cultivation and field multiplication. The main species are :-

<u>Sr. No.</u>	<u>Botanical Name</u>	<u>Common name</u>
1.	Bergenia ligulata	(Pashanbhed)
2.	Gingko biloba (Gingko)	
3.	Thymus serpyllum	(Ban-ajwain)
4.	Urgenia indica	(Banplandu)
5.	Valeriana jatamansi	(Sugandhwalla)

c.10 Plants under Experimental Cultivation / seed multiplication :

1.	Acorus calamus	(Vach)
2	Allium sativum	(Lahsun)
3.	Artemisia annua	(Artemisia)
4.	Asparagus adscendens	(Sanswai)
5.	Asparagus racemosus	(Shatawar)
6.	Bacopa monnieri	(Brahmi)
7.	Centella asiatica	(Mandukparni)
8.	Curcuma longa	(Haridra)
9.	Eclipta sps	(Bhringraj)
10.	Ocimum sanctum	(Tulsi)
11.	Ocimum sanctum	(Shayama Tulsi)
12.	Phyllanthus urinaria	(Bhumi Amla)
13.	Sida cordifolia	(Bala)
14.	Spilanthes acmella	(Akarkara)

c . 11 Cuttings Trial in nursery beds :

1500 cuttings of Chameli , Nirgundi, Darim, Stevia, Magpipali, and Daruharidra put to trial for sprouting .

d. New addition of spp. of Medicinal Plant :

Three new spp. of medicinal plants were introduced in garden for large scale cultivation. These spp. are :-

1	Mucuna capitata	(konch beej)
2.	Centrarthimum anthelminticum	(Kali jiri)
3.	Matricaria chamomile	(German chameli)

Trial introduction of following species was done :

1. Boerhaavia diffusa (Punarnava)
2. Vinca rosea (Sadabahar)
3. Ipomea spp. (Kaladana)

e. Produce from experimental cultivation :

The detail of raw herb supplied to govt. ayurvedic pharmacies is as follows :-

Sr. No.	Name of plant spp.	Quantity
1	Allium sativum	45Kg
2	Bacopa monnieri	25 Kg
3	Celastrus paniculatus	18 Kg
4	Cinnamomum tamala	10 Kg
5	Citrus jambhiri	77 Kg
6	Coriandrum sativum	25 Kg
7	Curcuma longa	10 Kg
8	Emblica officinalis	147 Kg
9	Ocimum kilimandscharicum	80 Kg
10	Ocimum sanctum	273 Kg

f. The detail of seed collected during the year 2006-07 is as follows :-

Sr. No.	Name of plant spp.	Quantity
1	Abelmoschus moschatus	500 gm
2	Abroma augusta	3 Kg
3	Asparagus adscendens	1 Kg
4	Asparagus racemosus	2 Kg
5	Celastrus paniculatus	8 Kg
6	Eclipta eracta	100 gm
7	Embelia ribes	3 Kg
8	Emblica officinalis	500 gm
9	Lepidium sativum	1 Kg
10	Mimosa pudica	500 gm
11	Mucuna spp.	500 gm
12	Ocimum basclicum	250 gm
13	Ocimum sanctum (Black strain)	500 gm
14	Ocimum sanctum (White strain)	1.5 Kg
15	Oroxylum indicum	500 gm
16	Rauwolfia serpentina	3 Kg
17	Sapindus mukorossi	2 Kg
18	Sida cordifolia	500 gm

19	Silibum marianum	4 Kg
20	Terminalia arjuna	5 Kg
21	Urgenia indica	1 Kg

g. The detail of Nursery during the year 2006-07 is as follows :-

Sr. No.	Name of plant spps.	Quantity
1	Abelmoschus moschatus	100 nos.
2	Acorus calamus	150 nos.
3	Andrographis paniculata	250 nos.
4	Asparagus adscendens	150 nos.
5	Asparagus racemosus	300 nos.
6	Bacoppa monnieri	300 nos.
7	Celastrus paniculatus	50 nos.
8	Centella asiatica	200 nos.
9	Cinnamomum tamala	450 nos.
10	Cinnamomum camphora	650 nos.
11	Cinnamomum zeylanicum	20 nos.
12	Cassia fistula	50 nos.
13	Elaeocarpus genitrus	20 nos.
14	Emblia ribes	100 nos.
15	Emblia officinalis	450 nos.
16	Jasminum officinalis	100 nos.
17	Melia azedarach	50 nos.
18	Murraya koengii	50 nos.
19	Ocimum sanctum	100 nos.
20	Oroxylum indicum	100 nos.
21	Piper longum	600 nos.
22	Plumbago zeylanica	50 nos.
23	Rosa damascena	30 nos.
24	Rauwolfia serpentina	2000 nos.
25	Saraca indica	300 nos.
26	Stevea rebudiana	300 nos.
27	Terminalia arjuna	300 nos.
28	Terminalia belerica	500 nos.
29	Terminalia chebula	550 nos.
30	Thevetia nerifolia	50 nos.
31	Withania somnifera	250 nos.

h. Vermiculture : 6 Quintal vermicompost sieved out.

6 pits were maintained under vermiculture for generation of vermicompost to be used in nursery , polyhouse and potted plants .

i. Grafting :-

Emblia officinalis (Amla) grafting was carried out on the root stocks of wild seedlings one year age with scions of Banarasi amla and shifted to field area successfully.

A.2. SUB-TROPICAL HERBAL GARDEN NERI (HAMIRPUR), (H.P.) :

(April 2006 – March 2007)

STAFF:

Garden Incharge	:	1
Mali	:	Nil
Beldar	:	2

Casual labour :

13 + 1 (Engaged under the project “Infrastructure development for determination standardization of drying & storage technique of herbal material”)

a.	Total garden land :	28 Acres
	Area covered under garden activities :	15 acres
a.1	<u>Land under Buildings & other infrastructure :</u>	600m ²
a.2	<u>Area under perennial plantation :</u>	8 acres
	(i) Area under Trees :	6 acres
	(ii) Area under climbers & shrubs :	1.5 acres
	(iii) Area under herbs & grasses :	0.5 acres
a.3	<u>Land under experimental cultivation, agro-technique development, poly house, nurseries and seed multiplication area :</u>	2.5 acres
a.4	<u>Water channels / Tanks / Nalas :</u>	1000m ²
a.5	<u>Area under developing stage :</u>	7000m ²
a.6	<u>Demonstration Area :</u>	As a.2, a.3
a.7	<u>Roads / Paths :</u>	6600m ²
b.	Infrastructure in Garden :	
b.1	<u>Poly Houses :</u>	2 No. (10.5x4m ²)
b.2	<u>Shading Net Nurseries :</u>	Nil
b.3	<u>Construction of drying / storage shed :</u>	Nil
c.	Detail of work done w.e.f. 1st April, 2006 – 31st March, 2007 :	
c.1	<u>Land preparation :</u>	500m ² (re-digging of field for preparation)
c.2	New field preparation:	815m ²
c.3	<u>Seedlings / stem cuttings :</u>	200m ²
c.4	<u>Seedlings raised in Open field condition :</u>	9630 (Ashwagandha, Tulsi, Kalmegh, Neem etc.)
c.5	<u>Plants raised in poly tubes :</u>	3750 (Neem, Hajor, Sarpagandha,
c.6	Field transplantation :	6750
c.7	Sale of Germplasm & institutional charges :	10116/- Rupees

- c.8 Raising of plants in Green / poly house conditions : 1000 (Ashwagandha)
- c.9 Germplasm domestication / multiplication : Kaknasa, Chandan, Sarpagandha, Mushkadana
- c.10 Plants under Experimental Cultivation / seed multiplication : Kaknasa, Shalparni, Mulethi, Ashok, Chhoti kantkari
- c.10 Cuttings Trial in nursery beds : Malati, Vidhara, Kashmal, Suhanjan, Sarpagandha, Mehandi etc.

d. New addition of spp. of Medicinal Plant :

Anantmool (could not germinate, will be repeated in coming season).

e. Produce from experimental cultivation :

Sr. No.	Botanical name	Common name	Qty.	Supplied to
1	Achyranthus aspera	vikekxZ ¼lw[kk	1 Qtl.	
2	Aloe vera	?k`r dqekjh	25 Kg.	GAH Hamirpur
3	Rauwolfia serpentine	liZxU/kk ¼lw[kh	13 Kg.	
4	Syzygium cumini	tkequ ¼lw[kk cht½	30 Kg.	GAP Paprola, 20 Kg.
5	Terminalia belerica	cgsM+k fu"dqy	10 Kg.	
6	Terminalia chebula	gjhrdh fu"dqy	5 Kg.	
7	Tinospora cordifolia	fxyks;	1 Qtl.	GAP Jogindernagar

f. The detail of seed collected during the year :

Sr. No.	Botanical name of spp.	Common name	Quantity
1.	Croton tinglium	t;iky	450 Gm.
2.	Azadirachta indica	uhe	170 Gm.
3.	Abrus precatorius	jÜkh	700 Gm.
4.	Santalum album	pUnu	450 Gm.
5.	Celastrus paniculatus	ekydaxuh	4.500 Gm.
6.	Rauwolfia serpentine	liZxU/kk	900 Gm.
7.	Plumbago zeylanica	fp=d	800 Gm.
8.	Ocimum sanctum	rqylh	1 Kg.
9.	Mimosa pudica	yктоUrh	250 Gm.
10.	Trichosansanthes cordata	iVksy	500 Gm.
11.	Andrographis paniculata	dkyes?k	780 Gm.
12.	Hibiscus abelmoschus	eq'dnkuk	150 Gm.
13.	Psoralea corylifolia	ckdqph	150 Gm.
14.	Terminalia belerica	cgsM+k	05 kg
15.	T. chebula	gjM+	08 kg

g. The detail of plants raised in nursery : As per c.3, c.4, c.5 & c.6.

h. Vermiculture : Nil

- i. **Grafting :** 50 seedlings of Amlarafted.
- j. **Other misc. activities :**
 - i.) Stacking of 500 of Asparagus racemosus (Shatawar).
 - ii.) 5 times hoeing & weeding out operations carried out in the field transplantation as shown in a.2 (iii) & other annuals.
 - iii.) Frequent weeding out & irrigation as & when required done in nurseries, poly houses & pot plants.
 - iv.) 61 Herbarium samples collected, pressed & dried.
 - v.) Lime application in the perennial medicinal trees approximately 500.
 - vi.) Twice bush cutting in the perennial medicinal trees blocks like Harad, Amla, Arjuna, Chandan, Bilv & Malkangani. Blocks
 - vii.) Uprooting of bushes in the bush cutted area.14100m2.
 - viii.) Participated in the departmental exhibition in Hamir Utsav & stood first. Other at Holi Mela, Sujanpur & also stood 1st in 1st week of March 2007.
 - ix.) Organised one day training camp on medicinal plants for Mahila mandal of local village Neri.
 - x.) Visitors, farmers & students etc. are being intertained throughout the year as & when visit the garden.
 - xi.) Digging of pits 100 Nos. (1 x 1 x 1.5 feet), basin making 760 plants (Twice).

A.3 HERBAL GARDEN DHUMRERA (SARIBASA) DISTT. SHIMLA :
[Progress of work w.e.f. April 2006 to March. 2007]

- A. Total garden land :** 7 Acres
 - i.) Area covered for cultivation under various project activities : 4 Acres
 - ii.) Area reserved for future planning 2 Acres
 - iii.) Area under Building, other infrastructure ½ Acre
 - iv.) Area under demonstration & nursery beds, Poly house, Net shade house etc. ½ acres
- B. Infrastructure in the garden :**
 - i) Seed store 2nos size 16'x10' 1no
12'x10' 1no
 - ii) Poly house 1 no. 18x4 mtrs
 - iii) Net shade house 1 no. 10x4 mtrs
- C. Detail of work done w.e.f. April/2006 to March 2007 :**

All the physical & financial activities pertaining to the herbal garden Dhumreda are going on under the centrally sponsored projects which are mentioned below :-

Sr. No.	Title of the project	Funding agency	Sanctioned amount (in lacs)	Project period
1.	Propagation of QPM & Seed production (Projects No.GO/HP-2/2005 A)	Ministry of Health & FW, Deptt. of Ayush, NMPB, G.O.I.	15.00	3 years
2.	Propagation of QPM of high valued Medicinal Plants for promoting contract farming in H.P. (Projects No. GO/HP-3/2005 A)	-- do --	15.00	3 years
3.	The production of Nucleus / Basic Planting material for medicinal plants under Horticulture Technology Mission – MM-1	Horticulture Technology Mission, through (CPRI Shimla) (H.P.)	11.01	3 years

Although year wise targets of the above projects are being carried on as per the action plan, yet some works which are under progress are mentioned below :-

i) Land preparation :

Two acres land has been developed and fields were prepared for the cultivation of high altitude medicinal plants under the various projects.

ii) Seedlings / Stem cutting :

About more than 60000 seedlings of *Aconitum heterophyllum* have been raised in nursery beds for further transplantation .More than 10,000 cuttings of *Picrorhiza kurroa* and 2000 plants of *Valeriana jatamansi* were also planted in the field.

iii.) Sale of germplasm :

5000 plants of *Aconitum heterophyllum* were sold @ Rs. 1/- each (Rs. 5000/-) for demonstration purpose during this year

iv.) Training / workshop / demonstration :

The following training / workshops and demonstration programs were conducted at the different locations to educate the surroundings farmers in the field of cultivation and utilization etc. of the temperate medicinal plants.

Sr. No.	Training/ Demonstration	No. of farmers		Date of conducting the program	Sight where programs were conducted
		Target No.	Achieved No.		
1.	5 days training program	20	20	24-28.4.06	R.I. in ISM Joginder Nagar
2.	1 day training program	50	51	3-12-2006	Vill. Ranol, Teh. Chirgaon
3.	-- do --	50	82	26-3-07	Vill. Larot, Teh. Chirgaon
4.	-- do --	50	71	28-3-07	Vill. Mandog, Teh. Rampur
5.	1 day demonstration	70	70	25-7-06	Ominyanshoo (Dhumreda)
6.	-- do --	70	74	13-8-06	Herbal Garden Dhumreda

D Other activities :

400 grams seed of *Aconitum heterophyllum* has been collected from the cultivated field and same has been sown in the nursery beds for further multiplication. A seed store has also been constructed through HP Agro Industries Co. Ltd. Shimla under Mini Mission Project.

Rupees 5.06 lacs has been deposited to the H.P. Agro Industries Co. Ltd. Shimla for civil work viz. construction of seed store and irrigation /micro-irrigation facilities under these projects.

B. HERBARIUM SECTION BROAD OBJECTIVES

- To preserve and store the specimen in systematic manner
- Classification of herbal specimen w.r.t. Useable parts
- To provide useful information regarding the medicinal plants for Ayurvedic Doctors, NGO'S, Farmers, Pharmaceutical personnels, Research scholars, Research Institutions, General public.
- To exhibit relevant literature of Medicinal Plants.

1. Maintenance of existing Herbal Specimens :

525 herbal specimens exist in the Herbarium. All the specimens have been maintained cleaned and re-poisoned. It is important to mention that the re-poisoning of the herbal specimens maintained in museum is required to be carried out periodically to kill the pathogens viz. bacteria, fungi, pests which destroy the specimens. These valuable material need to be preserved for display.

2. Maintenance of existing Herbarium Sheets :

5090 Herbarium sheets are existing in the Herbarium. All the sheets have been maintained, cleaned and re-poisoned.

3. Computerized re-labeling of the specimen jars :

All the 525 labels of the existing old labels pasted on the bottle/jars were changed and replaced with computerized labels mentioning the nomenclature of each specimen

4. Addition and replacement of specimens/ sheets :

The specimen/ sheets have to be replaced periodically wherever found necessary. The work on this aspects is continuous and is in progress. The sample of few species are also replaced with new samples in trays viz. Brahmi, Safed musli, Pudina, Tulsi, Babui Tulsi, Kapur Tulsi, Amla, Harad, Bahera, Giloe, Ashwagandha, Mandookparni, Bhringraj, Chitrak, Vach, Rakhhal etc.

5. Identification of specimens received from different agencies :

During this period 15 live/ dried specimens received from different sources for identification were identified by utilizing the keys from the specimens of respected species already maintained in the museum for this purpose.

6. Educating the visitors :

The visitos of various classes i.e. Students, farmers, N.G.O.s, Ayurvedic doctors, Scientists, Research scholars, Industry people etc. visiting the Herbarium have been given information regarding Identification & Utilization of Medicinal Plants. During this period 2784 visitors of different groups (including individuals) visited the Herbarium and were benefited.

7. Departmental Exhibitions:

i.) The Herbarium Incharge participated in organizing the departmental Exhibition at Okhala Estate N.Delhi in the Arogya Mela organized by the G.O.I.w.e.f.14th Oct. to 17th Oct. 2006

ii). Also the Harbarium wing assisted in organizing the departmental exhibitions held in the following various places of the state:

<u>S.No.</u>	<u>Place of Exhibition.</u>	<u>Date</u>
1.	Distt.level fair at Joginder Nagar.	1-4-2006 to 5-4-2006
2	Hameer utsab.in association with D.A.O. Hamirpur.	1-11-2006 to 3-11-2006
3..	Holi mela Sujanpur in association with D.A.O. Hamirpur.	1-3-07 to 5-3-07
4	Nalwari Fair Bilaspur in association with D.A.O. Bilaspur.	17-3-2007 to 23-3-2007

8, **Trainings and Workshops**

- i. **The Herbarium Incharge attended one training camp for the farmers organized by the Himachal Gramin Bank & sponsored by the NABARD, Dharmsala on dated 15.11.06 at Jalag (Kangra) and held discussion on the various aspects on the Medicinal Plants.**
- ii. **Similarly One work shop organized by the Himachal Gramin Bank & sponsored by the NABARD, Dharmsala was attended on 13.03.07 at Tea Bud Hotel Palampur and**
- iii, **the other Training camp for the Farmers organized by the same institution was attended on 14-03-07 at Lad Bharol (Mandi).**

C. TRAINING & EXTENSION ACTIVITIES

(Year 2006-07)

a. **Farmers Training Camps :-**

Farmers training camps/ Exhibitions were organized at the various places of the state to create awareness amongst the farmers/ participants with respect to identification, conservation, propagation, cultivation and utilization of the medicinal flora existing in their surroundings and in the state of Himachal Pradesh. In the utilization part the participants undertaking training are educated and encouraged to utilize the herbs growing in the vicinity as low cost home preparations in the form of food supplements and value added products. Experimental trials on value addition were conducted on various herbs such as **Brahmi, Tulsi, Rose, Amla, Burans, Pudina, Ajwain, Giloe** etc. The technical guidance & practical demonstration for cost effective preparations which can be easily prepared at home such as **Brahmi syrup, Brahmi powder, Tulsi syrup, Tulsi powder, Gulukand of rose, vasa, kachnar, burans** etc. **Burans syrup & chattrny, Amla candy, powder, jam, jelly** etc. Different types of hair oil, Pain oil etc. is provided to the participants.

a.1 Total No. of farmers training camps, exposure visits and awareness programmes :- 108

a.2 Total No. of beneficiaries :- 3426

Farmers - 2114

Others - 1312

a.3 Departmental Exhibitions :-

In addition to the farmers training camps, departmental exhibitions were also organized at the following places :-

<u>S.No.</u>	<u>Date</u>	<u>Place of Exhibition.</u>
1.	1-4-2006 to 5-4-2006	Distt. level fair at Joginder Nagar.
2.	14-10-2006 to 17-10-2006	Arogya Mela 2006 New Delhi.
3	1-11-2006 to 3-11-2006	Hameer utsab. in association with D.A.O. Hamirpur.
4..	1-3-07 to 5-3-07	Holi mela Sujampur in association with D.A.O. Hamirpur.
5..	17-3-2007 to 23-3-2007	Nalwari Fair Bilaspur in association with D.A.O. Bilaspur.

Our experts have also attended the 15 training camps/ workshops organized by the different agencies such as NABARD, DRDA, B.D.Os etc. outside the campus to educate/ motivate the various beneficiaries on the various aspect of Medicinal Plants,

D. BOTANICAL SECTION - 2006-07

1. Identification of Medicinal Plants Spps. :-

Samples of medicinal plants received from various Institution such as CSKHP Agricultural University and Other NGO's were identified. The record is kept in Herbarium. The reports of the identification are also submitted to the quarter concerned.

2. Screening of seed :-

Seed of some the spp of medicinal plants such as Terminalia belerica, Terminalia chebula, Embelica officinalis, Cinnamomum tamala received from D.F.O. Joginder Nagar was screened and report was submitted to D.F.O. Joginder Nagar.

3. Identification of raw herbs :-

In DTL Joginder Nagar samples of the raw herbs more than 300 drugs were identified & studied as under :-

- i.) Macroscopic character of raw material.
- ii.) Microscopic character of raw material.
- iii.) Histology study and drawing of raw material.
- iv.) Preparation of permanent slides.

4. Pharmacognosial test of drugs :-

More than 200 samples of drugs received in Drug Testing Laboratory from the Govt. & as well as private pharmacies were tested and analysed, reports were submitted to the Pharmacies.

5. S.O.P. Project :-

Under this project of G.O.I. has allotted 13 drugs for the preparation of standard. Out of 13 drugs. The study was conducted of 6 drugs and the report of which has been submitted to G.O.I. after the revival of project. The study of the other 7 drugs is under process.

6. Biomass study :-

Biomass of Terminalia chebula, Terminalia belerica & Embelica officinalis was studied.

E. OTHER ACTIVITIES

1). Progress-cum-achievements of Vanaspati Van Project during year 2006-07 and future plan for year 2007-08 :

A. Progress status:

I. Field activities:

1. Organized three training camps at different locations in VVP Chamba (Mani Sagnahar) and Kullu (Kothi)
2. Provided technical help to the officials of Forest department in concerned VVP sites while field transfer of nursery germplasm in MPPAs and during the ex-situ cultivation in farmers field.
3. Monitored the crops undertaken by farmers in ex-situ cultivation viz. **Sugandhwalla, Pashanbhed, Atis, Karoo** and **Rakhal** time to time.
4. Harvested about three tons of **Sugandhwalla** roots/rhizome at Mani-Sagnahar produced by farmers promoted under VVP Society through registered Pilot Societies
5. Operationalized the sale of 3 tons of dried roots of **Sugandhwalla** produced by farmers through open auction organized at spot thus to earn a direct revenue of **Rs. 1, 83,000** to the farmers of Mani-Sagnahar, Chamba at all time high spot rate of Rs. 61/Kg. with active association of Forest deptt. to fulfill the objectives of VVP regarding regeneration of local livelihood for farmers through scheme.

II. Micropropagation lab:

1. Completed the work of installation of major Machinery and Equipments in lab.
2. Installed the air-conditioning system wherever applicable to regulate indoor temperature in lab.
3. Enlisted and procured the minor items viz. consumable, chemicals, incidentals, glasswares etc. under M & S, essentially required on day to day basis for smooth functioning of lab.
4. Finalized the purchase of furniture items followed by the delivery of items and installation.
5. Purchase of hardening chamber for hardening of in-vitro plants is in progress.
6. Carried day to day routine activities about trial and testing of equipments and process to make lab functional.

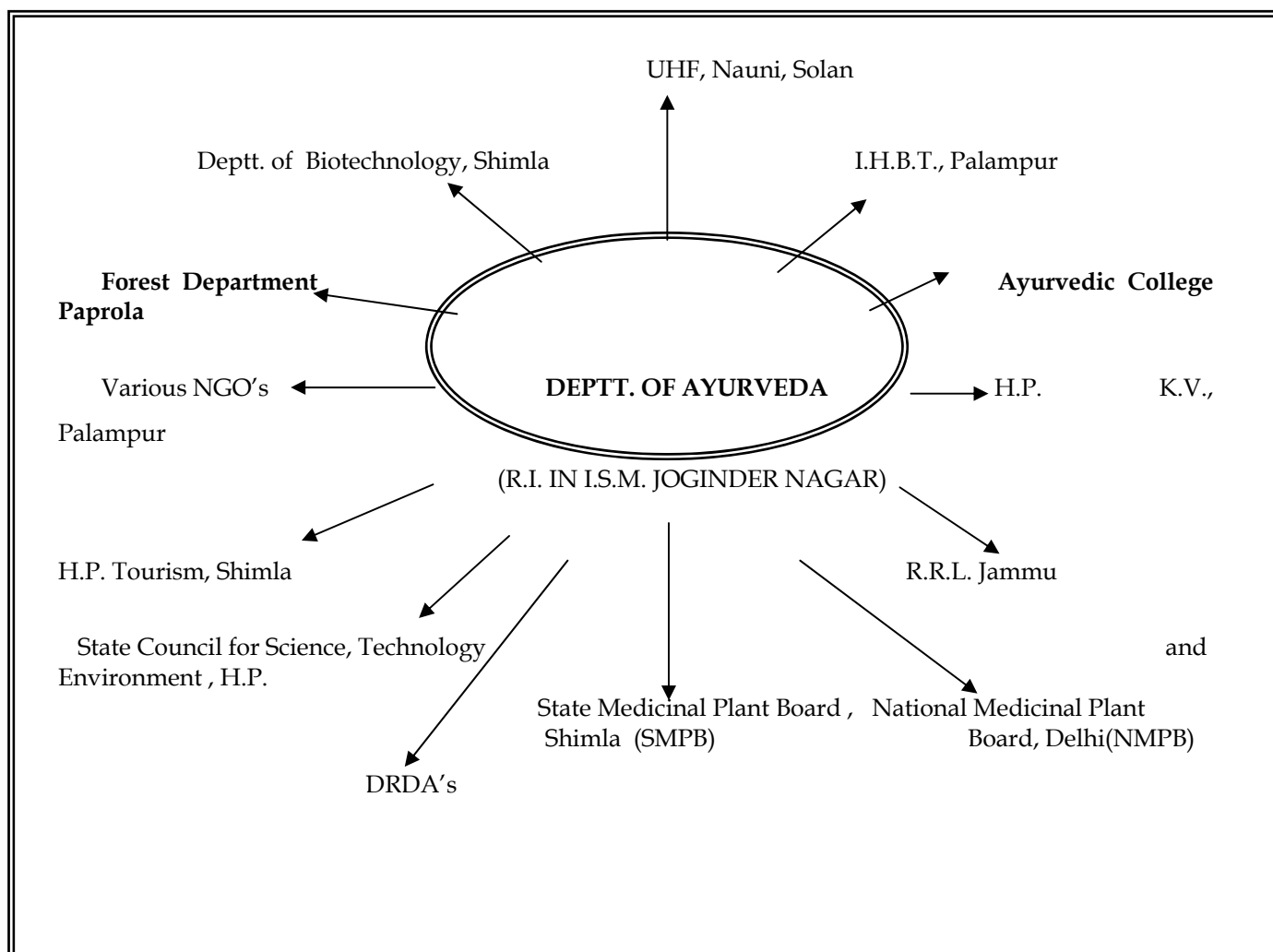
III. Other activities:

1. A technical bulletin in form of booklet comprising of information on identification, availability, and applications etc. of selected medicinal project plants is printed.

2. Exhibited the on going activities of Vanaspati van project and its objective in Arogya Mela 2006 at new Delhi from 14th to 17th October'2006.

II). CO-ORDINATION WITH OTHER GOVT. DEPARTMENTS/INSTITUTIONS :

This Research Institute is also associated with other departments/universities or agencies working in the field of medicinal plants to reciprocate the information regarding herbs on a particular field as shown in the flow chart :-



1. Activities with Forest Department Himachal Pradesh :

This Institute is providing technical know-how to the official of Forest deptt. of H.P. on different aspects of medicinal plants cultivation viz. nursery raising, in-situ & ex-situ cultivation etc.

2. Activities with Horticulture & Agriculture Department of H.P. :

This Institute is providing technical know-how to the above said departments.

3. Activities with DRDA's of the State :

The institute is actively associated with various DRDA's of the state for conducting exposure visits of the participants sponsored by these agencies and imparting training to the participants for medicinal plant cultivation.

III). STATE & NATIONAL MEDICINAL PLANT BOARD :

The Research Institute in ISM, Joginder nagar is actively involved in providing the technical guidance for the implementation of programs and policies of State Medicinal Plant Board, Deptt. of Ayurveda in H.P. under the National medicinal Plant Board on various aspects of medicinal plants of state.

Detail of undergoing projects at R.I. in ISM, Joginder nagar :

Presently, the following projects are being carried out / implemented /monitored through this Institute on various aspects of medicinal plants sanctioned by different funding agencies:-

Sr. NO.	Title of Project	Year	Sanctioning Authority	Time Period	Sanctioned Amount (in lacs)
1.	Infrastructure development for determination and standardization of drying and storage techniques of raw herbal material in H.P. for Herbal Garden Neri, H/pur	2002-05 extended upto 2007	N.M.P.B. (Deptt. of AYUSH) Ministry of Health & Family Welfare G.O.I., New Delhi	3 yrs	18.00 (Received 1 st installment of Rs. 10.00 lacs on 12-4-02) (Received 2 nd installment of Rs. 6.00 lacs on 5-4-03)
2.	The Production of Nucleus / Basic Planting Material for Medicinal Plants under Horticulture Technology Mission - Mini Mission-I	2004-07	Horticulture Technology Mission -MM-I, Deptt. of Horticulture, H.P.	3 yrs	11.01 (Received Rs. 6,32,304 for 1 st year)
3.	Propagation of QPM & Seed Production for Herbal Garden Dhumreda, Rohru (Shimla)	2004-07	Ministry of Health & FW,(ISM), G.O.I	3 yrs	15.00 (Received Rs. 6.00 lacs for 1 st year)
4.	Propagation of QPM of high valued medicinal plants for promoting contract farming in H.P. for Herbal Garden Dhumreda, Rohru (Shimla)	2004-07	Ministry of Health & FW,(ISM), G.O.I	3 yrs	15.00 (Received Rs. 8.00 lacs for 1 st year)
	NEWLY SANCTIONED :				
1.	Production and utilization of herbs in collaboration with herbal gardens & pharmacies of the AYUSH Deptt. of H.P.	2007-10	Ministry of Health & FW,(ISM), G.O.I	3 yrs	24.00 (Received Rs. 10.00 lacs for 1 st year)
2.	Establishment of Progeny Herbal Garden	2007-08	Deptt. of Hort. H.P.	1 yr	3 lacs (Received)

DRUG TESTING LABORATORY (RIISM) JOGINDERNAGAR

AIM & Objectives of DTL at Joginder Nagar

1. To test and analyze the single and compound drugs of ISM under the preview of Drugs & Cosmetic Act.
- 2 To test and analyze the crude drugs as well as finished products of Govt. Pharmacies.
- 3 To test and analyze the crude drugs samples received from private manufacturing units of ISM.
4. To undertake the R& D projects from different sponsoring agencies in the field of quality control of drugs of ISM.

Type of Tests Performed with Achievements of DTL

a) Source of Samples

- 1 Govt. Ayurvedic Pharmacies of H.P. State.
2. Ayurvedic Pharmacies of Pvt. Sector situated in H.P
3. Herbal Garden Jogindernagar. Distt Mandi
4. Drug Control H.P

b) Type of Samples being Tested

- a) Single herbal drugs
- b) Classical formulations
- c) Classical Unani formulations
- d) Proprietary formulations

During the last 8 years the Lab has generated revenue of **Rs. 6,14,600/-** from the testing fee of samples and analyzed more than 1700 samples of single drugs and compound formulations. Last year laboratory has received **527 samples** for testing out of which **409** samples were on the payment basis and has generated revenue of **Rs. 2,04500/-** .During the year 06-07 lab has tested **404** samples out of which **274** samples are on payment basis and has generated revenue of **Rs 1,37000/-**

Lab Achievements

DTL Joginder Nagar is one among the 30 selected ISM labs of India to whom central Assistance has been given and this lab is contributing to Develop Pharmacopoeial Standards for Ayurvedic Pharmacopoeia of India for single as well as compound drugs as per the guidelines of Pharmacopoeial Lab Ghaziabad and as per the directions issued by PEC.

This is the only ISM Govt, Lab in Northern India, which is standardizing & developing Pharmacopoeial Standards for single and compound formulations of the test samples/ being received from different agencies by charging a nominal test fee of Rs 500/- fixed by the Govt. of Himachal Pradesh

Development of Pharmacopoeial Standards for Ayu. Drugs/ formulations received from various Pharmacies of the state:

Against a target of 210 drugs fixed every year for the testing of the samples received from different sources the achievement of the lab for the last three years is as under:

NO OF AYURVEDIC DRUG SAMPLE/FORMULATIONS

Single			Compound		
Year	Govt Ayrvedic Pharmacy	Private Pharmacy	Govt Ayrvedic Pharmacy	Private Pharmacy	Total
2003-04	12	2	89	137	240
2004-05	47	24	24	139	234
2005-06	38	73	80	336	527
2006-07 (Up to 31-3-07)	34	5	96	269	404

Detail of Drug samples Received from Various Pharmacies During the Year 2005-06

<u>Name of Agency</u>	<u>No. of samples Received</u>
Private Pharmacies	409
OSD Ayurveda HP	06
GAP Joginder Nagar	64
GAP Paprola	12
GAP Majra	36
Total :	527

Detail of Drug samples Received from Various Pharmacies During the Year 2006-07

<u>Name of Agency</u>	<u>No. of samples Received</u>
Private Pharmacies	274
Dir Ayurveda HP	10
GAP Joginder Nagar	42

GAP Paprola (Research Drugs)	19
GAP Majra	59

Total : 404

A) R & D activities:

**I) Development of Pharmacopoeial Standards of ASU Drugs under APC
(A centrally sponsored Scheme 1998-2003)**

The project was taken up during the year 1998-99 and was for a period of three years with a target of ten drugs per year. The project period was extended up to 31/03/03. During the project period 31 drugs were received to develop Pharmacopoeial standards. 100 % targets have been achieved. The report of all the drugs as per the guidelines and requirements of the PEC committee i.e. No. of samples, botanical photographs and TLC fingerprinting etc. as submitted to the Ministry time to time. The detail of the allotted drugs is as under

Year	No. of single Drugs	Ayu. Formulations	Unani drugs	Total
1999-03	13	10	08	31

Out of the work done, the nine single drugs have been accepted by the PEC committee. Monographs of the five Single drugs have been published in the Vth Volume of Auyurvedic Pharmacopoeia of India (January 06).

Under the project "Strengthening of Drug Testing Laboratory " this lab has received a central assistance of Rs. 75.79+24.21=100.00 lacs for the following components:

Sr. No	Name of the component (Construction & fixtures)	Funds allotted
1.	Renovation/Add/Alteration	15.00 lacs
	Construction of New Block	19.55 lacs
2.	Instruments & Others	35.00 lacs
3.	Human Resources	6.24 lacs

Govt. of India Ministry of Health and Family welfare Department of AYUSH was requested to sanction more funds for the completion of construction work and for the procurement of the instruments etc. Ministry has sanctioned Rs. 24.21 lacs for the following components during the year 06-07.

1. Instruments 21.00 lacs
2. Manpower 03.21 lacs.

The funds worth Rs 1.00 Crore already allotted under the CSS “Strengthening of DTL Joginder Nagar “ are inadequate. More funds to complete the ongoing construction work are required.

Funds are also needed for the procurement of new instruments and fixtures for different Labs, which have been newly constructed so that these labs are made functional. Funds are also required for the recruitment of expert staff on contract basis to work on the latest instruments so that the scheme for which the assistance is being granted by GOI become a success. Proposals for that have been sent to the Ministry of H & F welfare Deptt of AYUSH New Delhi. Another Project for seeking more assistance under various components for further Strengthening of DTL worth to the tune of **Rs. 125.84** Lakhs has been sent to from GOI through Director of Ayurveda H.P Shimla. Base cost table is given below :

BASE COST TABLE

Component: Quality Control; Strengthening of DTL Joginder Nagar

Sr. No	Name of the component	Funds required
1.	Construction & fixtures	
	a) Construction of New Block (Completion of continuing work- & Providing fixtures, site development	06.50 lacs
	b) Construction of mini Pharmacy hall Under R&D	06.00 lacs
	c) Furniture for labs.	03.20 lacs
2	Human Resources (for two years)	11.40 lacs
	Training & workshops	01.00 lacs
3	Instruments & Others	
	Chemistry lab.	71.22 lacs
	R & D lab.	09.29 lacs
	Pharmacogonosy & Microbiology lab.	09.24 lacs
	Documentation / books & Journals etc.	<u>07.99 lacs</u>
<hr/>		
	Total	125.84 lacs

Development of Standard Operating Procedures

Under the Project Developing of Standard Operative Procedures (SOPs) of manufacturing process and the Pharmacopoeial standards of compound ,13 ASU drugs/formulations have been allotted to this Lab by the Deptt of AYUSH during the year 2003-04 with a financial assistance of Rs. 8.00 lacs ,This Project which is being executed jointly by Govt Ayu. Pharmacy Jogindernagar and this DTL.

Under this project following ASU drugs have been allotted for SOPs.

Sr. No	Name of Compound formulation	Book reference of formulas
1	Triphala Curna	AFI-1
2	Trikatu Curna	AFI-1
3	Chaturjata curna	AFI-1
4	Sitopladi Curna	AFI-1
5	Samsamani Vati	AFI-II
6	Kutajghan Vati	AFI-II
7	Gandhakadya Malhara	AFI-II
8	Paradadi lepa	AFI-II
9	Dasanga lepa	AFI-I
10	Kalakacurna lepa	AFI-I
11	Avalgujadi lepa	AFI-I
12	Sothaghna lepa	AFI-I
13	Sersapadi lepa	AFI-I

Analytical work of the following drugs with different batches has been workout :

- | | | |
|----|-----------------|-------------|
| 1. | Triphala Curna | Batch 1,2,3 |
| 2 | Kutajghan vati | Batch -1. |
| 3 | Samsamani Vati | Batch -1 |
| 4 | Trikatu Curna | Batch-1 |
| 5 | Caturjata Curna | Batch-1 |
| 6 | Sitopladi Curna | Batch-1 |

The report of work done has been submitted to GOI in the PEC meeting held on 13-15 Jan.07 at CCRAS HQ at Janakpur New Delhi. The manufacturing process of 2nd batch of Kutajghan vati and samsamani vati is under process and the analytical study of their raw herbs have been completed . The pending works pertaining to quality control, self life study and developing pharmacopoeial standards are under process.

V.Pharmacies

Govt. Ayurvedic Pharmacy,Jogindernagar,District Mandi(H.P.)

During this year the targets for the manufacturing of Ayurvedic Medicines were fixed by the department which are as under:-

Target Allotted for the year 2006-07	Targets Achieved up to 3/2007	Total Cost of Medicines prepared for the year 2005-06
1.	2.	3.
65	38	40,55,222/=

2. In addition to this Pharmacy also participate in "AROGYA-MELA-2006-07 at New-Delhi w.e.f 14th to 17th October, 2006 and exhibit the Manufacturing medicines.

Government Ayurvedic Pharmacy ,Majra, District Sirmaur(H.P.)

During the year the targets for the manufacturing of Ayurvedic Medicines were fixed by the Department which are as mentioned below:-

Asava Section

Target Allotted for the year 2006-07	Targets Achieved up to 3/2007	Total Cost of Medicines prepared for the year 2005-06
32416 Litres	19716.75 Litres	12,82,256/=
Total 21 Medicines	Total 16 Medicines	

Bhasm Section

Target Allotted for the year 2006-07	Targets Achieved up to 3/2007	Total Cost of Medicines prepared for the year 2006-07
8970 Kg.	3709 Kg.	7,56,157/=
Total 21 Medicines	Total 18 Medicines	

Vati Section

Target Allotted for the year 2006-07	Targets Achieved up to 3/2007	2006-07
900 Kg.	900 Kg.	2,85,850/=
Total 3 Medicines	Total 3 Medicines	

VI. Free Medical Camps

During the year 2006-07 the following free Ayurvedic Camps were held in the different are of the state:-

S.No.	Name of District	Place where Camps Held	Proposed Camp	Period	Patients Treated
1.	Kangra	1.)Ghamroor(Dehra)	Khashar Sutra	07.09.2006	70
		2.) Dhaliara(Dehra)	--do--	18.10.2006 19.10.2006 29.10.2006	66
2.	Mandi	1.) Diargi	--do--	22.11.2006 to 25.11.2006	126
3.	Solan	1.) Kunihar	Medical Camp	28.04.2006 to 30.04.2006	993
4.	Una	1.)Daulatpur Chowk	Health Mela	27.08.2006 to 29.08.2006	508
		2.) Ayurvedic Hospital Ispur	Panchakarma Camp	17.04.2006 to 27.04.2006	360
5.	Shimla	1.) Rohru	Panchkarma Camp	23.04.2006 to 13.05.2006	3532

VII. Right to Information and obligations of Public authorities.

INTRODUCTION;

It is a well established fact that Allopathic System of Modern medicines alone cannot meet the national health goals particularly those pertaining to public health. Traditional systems of medicine treat life as a fusion of body, mind, senses and soul and talk of positive health which can only be attained through harmony amongst physical, mental moral and spiritual states of the human being. This holistic view of health beyond the physical level closely corresponds to the composite definition of health as laid down by the World Health Organization which talks of “Health for All” and at all levels of human consciousness, physical, mental and social. Therefore, keeping in view the strength of the Indian System of Medicine and their outreach to the remotest villages in our country, there is glorious future ahead for providing an integrated health care system to our people.

The State Govt. is giving great importance to these traditional systems of medicine for which a independent department of ISM&H came into existence w.e.f. 7th November 1984. Following Systems of medicine come under this department 1) Ayurveda 2) Yoga 3) Unani 4) Sidha 5) Homoeopathy 6) Naturopathy 7) Panchakarma. In addition to this the department has opened 4 Amchi health centers based on Tibetan System of medicine in tribal areas of the State.

At the time of bifurcation in the year 1984 from Health and Family Welfare Department there were 424 Ayurveda, 3 Unani, 2 Homoeopathy Dispensaries and 12 Ayurvedic Hospitals functioning in the State. Apart from these institutions, there was a Govt. Ayurvedic College at Paprola, one Research Institute in ISM at Joginder Nagar and two Pharmacies for the manufacturing of Ayurvedic Medicines in the department. However during these years the Department has seen phenomenal growth in term of number of institutions and infrastructural development

As a result of this the unprecedented growth today state of Himachal Pradesh has become on of the leading state in the country in the field of promotion and development of ISM&H

(A) Hospitals /Health Centers

Over the years the Indian Systems of Medicines and Homoeopathic Institutions have grown up from 441 to 1151, the detail of which is as under:-

1.	Regional Ayurvedic Hospital (100/50-bedded each)	02
2.	Ayurvedic Hospitals (20-bedded-4,10-bedded-18)	22
3.	Ayurvedic Health Centre	1105
4.	Homoeopathic Health Centre	14
5.	Unani Health Centre	03
6.	Nature Cure Hospitals	01
7.	Amchi Clinics	04
	Total:	<u>1151</u>

(B) Other Institutions:-

1.	Ayurvedic Post Graduate College, Paprola	01
2.	Ayurvedic Pharmacies J.Nagar, (Mandi), Majra (Sirmour) and Paprola.(Kangra).	03
3.	Drug Testing Lab. Joginder Nagar.	01
4.	Research Institute in I.S.M., J.Nagar	01
5.	Herbal Gardens J.Nagar, Neri(Hamirpur) Dumrehra (Rohru) in Shimla	03

**Administrative set up of ISM Department in H.P.
Secretariat Level**

Hon'ble Chief Minister, H.P.
(Holding the Portfolio of Ayurveda Department)
Secretary (Ayurveda) to the Govt. of H.P.
Branch Officer
Ayurveda Branch

Directorate of Ayurveda.

Ever since the inception of the Department of Indian Systems of Medicine & Homoeopathy in 1984, there has been an independent Minister in charge of this Department and Senior, I.A.S./ H.A.S. Officers who have held the charge of Director. One Additional Director from the State Civil Services, and one Officer-on -Special Duty (HQ.) and two Assistant Directors

being professionals assist the Director of the Department. At the district level there is a District Ayurveda Officer in each of 12 districts. Apart from this 36 Sub Divisional Ayurveda Medical Officers are functioning at the Revenue Sub Divisional levels.

DISTRICT LEVEL SET UP

Before the bifurcation of the Department of ISM&H staff was working under the control of respective Chief Medical Officers and the activities concerning ISM&H were being carried out through Ayurvedic inspector. However, with the establishment of an independent Department of ISM&H, posts of District Ayurvedic Officers were created who were given powers to run the activities of ISM&H in their respective Districts.

In a District, the basic Unit for rendering ISM&Health care services is called Ayurvedic Health Centre. Each such Centre has generally strength of 5 workers including one doctor, one pharmacist, one ANM/Dai, one Class-IV and one Sweeper(regular/part time). At 10 District Headquarters there is an Ayurvedic hospital with a bed capacity of 10/20 with fourteen employees consisting of Doctors and Para Medical staff who look after both indoor and outdoor patients. However, most of the Ayurvedic Health centers are located in far flung areas of Himachal Pradesh where health institutions like PHCs, CHC's, CDs, SCs do not exist and health care delivery is manned essentially & exclusively by Ayurvedic Institutions

All the Ayurvedic health centers and hospitals are being administered/supervised, supplied medicines etc.from District headquarters.

DECENTRALIZATION OF ADMINISTRATION STRUCTURE

The chief functionary of the Department of ISM&H in the District is called for District Ayurvedic Officer. In order to decentralize the administrative structure the Govt. open 36 Sub Divisional Ayurvedic Offices coterminous with Revenue Sub Divisions. The administrative and DDO powers have been decentralized from District Headquarter to these Sub Divisional Ayurvedic Medical Officers. This decision has provided an administrative set up close to the doorsteps of the people to attend to their health needs and also for effective supervision of AHCs and Hospitals.

Health Care Services

Primary level institutions:

The department has a large network of Primary and Secondary level Institutions. The basic primary unit is a Ayurvedic Health Centers. It covers a population of 3000 to 5000 and caters to outdoor patients only. Normally medicines worth Rs. 25,000 approximately are provided free of cost every year to each AHC.

Besides above the Govt. of India is a providing sufficient fund under the Pilot Scheme for “**Supply of Essential drugs**” to the institutions functioning in Backward/rural area of the Pradesh @ Rs.25, 000/-per institutions.

Secondary Level Institutions:

Secondary health care unit is Govt. Ay. Hospitals. These hospitals are normally located at Distt. Sub Divisional level. These hospitals are provided with 10/20 indoor beds, which cater to the secondary health care needs of about 10 to 20 thousand people. One specialist is posted in each of these hospitals in addition to two Ay. Medical Officers.

Territory Level Institutions:

The territory health care unit are 2 Regional Ay. Hospitals at Paprola, Distt. Kangra and Shimla, having bed capacity of 100 and 50 respectively. The Rajiv Gandhi Ayurvedic Hospital, Paprola is emerging as a State of the Ayurvedic speciality hospital with all the speciality departments. Although it is a 100 bedded hospital with 3 clinical specialties departments i.e. Kayachikitsa, Shalaya and Bal Roga.

Rajiv Gandhi Government Post Graduate Ayurvedic College, Paprola

The intake capacity for seats in Bachelor of Ayurvedic Medicine and Surgery (BAMS) course in Ayurvedic College, Paprola was 20 during 1987-88 which was subsequently raised to 30. On persistent demand from

the public, the Government increased the number of seats from 30 to 50 during 1998-1999.

The course of study for BAMS Degree is five and half years which includes one year compulsory rotary intern-ship and is governed by the rules and regulations of H.P.University, Shimla to which this Institution is affiliated.

There were no PG. Courses in any subject till 1997-98. To provide PG education in the College, the Govt. Started three PG.Courses in the faculty of Kaya Chikitsa, Shalya and Shalakaya Tantra in the year 1999-2000. The aim of introducing PG courses is to provide educational inputs to students and make them. Professionally competent as Teacher, Researchers and Specialities in their respective field of specialists in their respective field of specialization. The Institute follows the syllabus and curriculum prescribed by the Central Council of Indian Medicine and as approved by the H.P. University. The Post Graduate course is of three years duration. The student's intake breakup is as under:-

1.	Kaya-Chikitsa	06
2.	Shalya Tantra	04
3.	Shalakaya Tantra	04

Besides above the Govt. has also started PG course in three new subjects, the students intake breakup of which is as under:-

1.	Prasuti Tantra	03
2.	Samhita Sidhant	04
3.	Ras Shastra	03

The State Government has been providing adequate funds for creating infrastructure in the College. Hostels for Boys & Girls as well as residential accommodation for teaching non teaching staff have been constructed.

The Govt. of India Ministry of Health & Family Welfare (AYUSH) is also providing sufficient funds under various Centrally sponsored schemes for the Strengthening/ up gradation of UG/PG Colleges of ISM&H.

Govt. Ayurvedic Pharmacies:

There are three Departmental Pharmacies at Majra, Jogindernagar and Paprola. The Pharmacies at Majra and Jogindernagar were established during 1952-53. These Pharmacies are being run departmentally and manufacturing Ayurvedic Drugs for free distribution through ISM Institutions.

Drug Testing Laboratory, Jogindernagar:

To keep quality control of drugs is very essential for establishing their efficacy. This in turn depends upon the genuineness and freshness of herbs which necessitates proper scrutiny and certification of crude drugs to ensure that the active principle in desired proportion is present in the herb. For this purpose a DTL has been established at Jogindernagar.

Establishment of Herbal Gardens in the State.

The department has established following herbal gardens under different Agro-climatic Zones of the Pradesh for cultivation, conservation, propagation and development of varied medicinal plants to meet out the requirement of herbs for its use in manufacturing Ayurvedic medicines in departmental/ private pharmacies.

i) Herbal Garden, Joginder Nagar (Distt. Mandi)

This garden has been developed in 25 acre land where more than 200 species of medicinal plants of different varieties have been propagated for demonstration purposes.

This institute is conducting various research activities for developing the Agro-techniques of medicinal plants. 10 species of medicinal plants have been developed in the State sector and their seeds/ planting material are being provided to the farmers

The farmers are being supplied the seedling materials for cultivation in their fields to generate income at their own.

OTHER ACTIVITIES AT HERBAL GARDEN, JOGINDER NAGAR

i) Ayurveda Herbarium:-

An Ayurveda Herbarium has been established at Jogindernagar to keep the specimen of Medicinal Plants systematically & scientifically. As such a large number of specimens of Herbarium sheets, jars etc. have been displayed & preserved in a scientific manner.

ii) **Farmers Training Camps & Departmental Exhibitions:-**

Farmers training camps are being organized at the various places of the State to create awareness amongst them regarding identification, propagation, cultivation, conservation and utility of medicinal plants existing in their surroundings and in the state of HP.

iii) **Herbal Garden Neri (Distt. Hamirpur)**

The department has acquired an area of 28 acres of land at Neri in Hamirpur District during the year 1996 to establish herbal Garden under Sub tropical zone. About 10 acre land has been developed and nurseries have been set up to grow / cultivate various types of medicinal plants. The department has raised nurseries of medicinal plants namely:- Tulsi, Bhringraj, Bhakuchi, Bala, Atibala, Akarkara, Chitrak, Kapoor Tulsi, Kali Tulsi, Lazzalao, Malkangani, Kalihari, Khair, Amla, Jaiphal, Gunja, Vilas, Suhanjan, Amaltas, Bhera, Harar, Shyonak, Karipatra (Meetha-Neem), Bhumiamla, Ulat Kmbal, Safed Musli and Satavar.

C. Herbal Garden, Dhumrera (Rohroo) in Shimla District

To develop and propagate important species of the medicinal plants of Temperate Wet Agro-Climatic zone, the department has set up a herbal garden at Dhumrera (Rohroo) in Shimla district. The main focus to develop this garden is to grow high valued threatened species of temperate medicinal plants. The number of these valuable species is about twenty four.

D) Herbal Garden, Jungle-Jhalera (Bilaspur)

The department has selected about 19 hect. of land for setting up a herbal garden under Sub-Tropical climatic zone at Jungle-Jhalera of Bilaspur district. The activities of development of Agro-techniques of some of the selected species of medicinal plants shall also be undertaken in this garden.

Participation in Trade Fairs/Exhibitions:

In order to popularise the Indian Systems of Medicine amongst the people the department is organizing training camp on Panchkarma and Kshar sutra at Govt. Rajiv Gandhi Ayurvedic Post Graduate Institute, Paprola and at each District Headquarter on public demand. Apart from this farmer training camps, exhibition-cum-sale camps are also being organized at different places within and outside the State.

The Powers and duties of officers

- (a) Administrative Powers
- (b) Statutory Powers

(a) Administrative Powers :- _____ All the Administrative/ financial powers are exercised by the Director as Head of the Department. The financial powers are further deligated by the head of the department to the District and sub-divisional officers. Brief details of the Administrative powers of head of the Department are given as under :-

- (1) Transfer and promotion of Class-III and IV employees.
- (2) Imposing of minor / major penalties under CCS(CCA) Rules, 1965 in respect of Class-III and IV employees.
- (3) To sanction all kinds of leave.
- (4) Final authority to accept /review the ACRs remarks for class III and IV employees.
- (5) To issue direction/ instruction to the officer / employees working under his control to bring efficiency in working of the department.

(b) Statutory Powers of Officers

- (1) Departmental Audit
- (2) Registration of ISM&H paractioners in the Pradesh.
- (3) To issue license for the manufacture / sale of ISM&H medicines.
- (4) Inspection of field institutions.
- (5) Departmental inquires of officers/ employees.
- (6) Execution / implementation of orders.
- (7) Appeals, review and revision.

Employees of the Department assist officers in discharge of above powers and duties.

The Procedure followed in decision making process including channels of supervisions and accountability.

The norms set by it, for discharge of its functions:-

- (a) Administrative matters:- In order to bring about efficiency in administration and to ensure speedy disposal of work, following procedure including channels of supervision and accountability in decision making on the references received from the various quarters i.e. Government and general public is adopted as under :-
- (i) all the references are received in the office and then diarist indicates date of receipt of office diary number and name of the D.A. on the references.
 - (ii) The references are then assigned to the concerned D.As.
 - (iii) Dealing Assistants deals it on proper file after recording in the Assistant Register maintained by each D.A.
 - (iv) Reference(s) / matter than placed for examination before the branch officers through ministerial level officer/ official.
 - (v) Some of the ordinary references, which are off inforamatory nature and calls for no action, are ordered by branch officers to file such references. There are also some references, which can be disposed off at branch officers level.
 - (vi) Rest of the references after proper scrutiny place before the Head of the Department for the final decision.
 - (vii) There are certain matters such as amendment in R&P Rules, appointments/recruitments of daily wagers/part time workers and budgetary provisions are referred to the Government for final decision.

Norms or time fixed for disposal of references

- (i) All the references according to their nature and importance are divided into three categories viz. Immediate, urgent and ordinary. The time limit for disposal of references in each category at all level fixed in the office manual which is as under :-

Nature of Reference	time allowed for dealing	Time allowed for disposal at the level of section officer/Branch officer
Immediate	2 days	One day at each level.
Urgent	4 days	Two days at each level.
Ordinary	6 days	Three days at each level.

References remain unattended/ un disposed off at the end of above time limit are considered as delayed.

(ii) Public Grievances and redressal thereof are dealt with utmost promptness. The branch officers interact with other Departments, Directorates and field offices for ensuring timely action on all matters relating to their Branches/sections including public grievances and complaints etc.

(iii) In no case references be kept pending beyond the above fixed limit. Any delay in disposal of references after the time limit fixed in office manual is treated as negligence of duty/lack of devotion to duty and is liable to be proceeded against under CCS (Conduct) Rules.

(iv) The matter relating to the policy, Rules and regulations are put up to the higher level.

(v) If the duty of the Branch officer concerned keep chasing/following up important matter under correspondence with other Department/ subordinate offices and Government.

(vi) Each branch officer identifies the priority areas or thrusts are pertaining to his subjects. Such issues are vigorously followed till the conclusive stage is reached.

Legal Matters

Legal references are directly dealt in the legal cell and dealing assistant after scrutinizing the case submit the same before the Head of Department through concerned Branch Officer.

B. Statutory Matters.

- (1) Registration: - Registration of ISM&H paractioners in the Pradesh.
- (2) Audit of all Institutions
- (3) Inspections of the Institutions.
- (4) Settlement of the Departmental disputes / inquiries.
- (5) Appeal, Review and Revision.

The rules, regulation instructions, manual and records held by it or under the control or used by its employees for discharging its functions.

- (1) H.P. Ayurvedic & Practitioners Act & rules.
- (2) H.P. Homoeopathic Practitioners Act / Rules.
- (3) Audit /Inspection reports of various institutions.
- (4) Office manual.

- (5) CCS leave Rules 1972.
- (6) CCS and CCA Rules.
- (7) Himachal Pradesh FR & SR Rules.
- (8) GPF Rules/ Pension Rules.
- (9) Medical Attendance Rules.
- (10) Leave Travel Concession Rules.
- (11) HBA advance Rules.

A Statement of Categories of documents that are held by it or under its control. The Particulars of any arrangement that exists for consultation with, or representation by, the members of the public in relation to formulation of its policy or implementation thereof,.

1. Annual Administrative Report of the department. (is being published annually)
2. Institutional Directory of the Department. (is being published when any change occurred)

A statement of the boards, councils, committees and other bodies consisting of two or more persons constituted as its part or for the purpose of advice, and as to whether meetings of those boards, councils, committees, other bodies are open to the public, or the minutes of such meeting are accessible for public.

The H.P. Ayurvedic and Unani Board and Homoeopathic Council at present headed by the Registrar with overall control of the Head of the department, who is Chairman of the Board/Council.

A Directory of its Officers and employees. The monthly remuneration received by each of officer and employees, including system of compensation as proved it its regulations.

STATUS OF STAFF IN THE DEPARTMENT OF ISM&H

S.No.	Designation	Sanctioned	Filled up	Vacant
1.	Director	01	01	-
2.	Addl./Joint Director	01	01	-
3.	Administrator	01	--	01
4.	Assistant Director	02	02	--

5.	Officer on Special Duty	01	01	--
6.	Manager Ayurvedic Pharmacy	03	01	02
7.	Special Officer Pharmacy	01	-	01
8.	Medical Superintendent	02	-	02
9.	Distt.Ayurvedic Officer	12	11	01
10.	Scientific Officer	01	-	01
11.	Radiologist	01	-	01
12.	Anesthetist	01	-	01
13.	Principal	01	-	01
14.	Professor	11	04	07
15.	Reader	21	07	14
16.	Project Officer	01	--	01
17.	Sr. Ayurvedic Chikitsak	16	06	10
18.	Sr.Lecturer	17	14	03
19.	Lecturer	16	14	02
20.	Botanist	01	-	01
21.	Pharmaceutical Chemist	01	-	01
22.	Sub Divisional Ayurvedic Medical Officer	36	36	-
23.	Ayurvedic Medical Officer	1144	1004	140
24.	Homoeo. Medical Officer	14	11	03
25.	Unani Medical Officer	03	03	-
26.	Amchi Chikitsak	04	01	03
27.	Trg.& Publicity Officer	01	-	01
28.	Herbarium Incharge	01	01	-
29.	Asstt.Manager Pharmacy	02	01	01
30.	Supdt.Gr.I	05	04	01
31.	Supdt.Gr.II	20	20	--
32.	Section Officer(SAS)	03	02	01
32.	Sr.Assistant	45	45	-
33.	Jr.Asstt./Clerk	109	95	14
34.	Personal Assistant	01	01	--
35.	Sr.Scale Stenographer	01	01	-

36.	Jr.Scale Stenographer	01	01	-
37.	Steno Typist	05	03	02
38.	Stastical Assistant	02	-	02
39.	Garden Incharge	04	03	01
40.	Ayurvedic Pharmacist	1171	593	578
41.	Homeopathy Compounder	14	13	01
42.	Amchi Pharmacist	04	-	04
43.	Staff Nurse	51	33	18
44.	Ward sister	03	02	01
45.	ANM	189	155	34
46.	Dai	891	528	363
47	Lab. Technician	32	18	14
48	Technical Assistant	03	-	03
49	Physiotherapist	01	-	01
50.	Lab. Attendant	18	13	05
51	Mechanic	03	01	02
52.	Yoga Instructor	01	-	01
53.	Artist	01	01	--
54.	Asstt.Librarian	01	01	-
55.	Electrician	01	01	-
56.	Plumber	01	01	-
57.	Operation Theatre Assistant	01	--	01
58.	Radiographer	01	01	-
59.	Darkroom Assistant	01	-	01
60.	Asstt.Botanist	01	01	-
61.	Scientific Assistant	02	01	01
62.	Lab .Assistant(Research)	02	01	01
63.	Lab Assistant	02	-	02
64.	Driver	19	17	02
65.	Class-IV	1080	678	402
66	Sweeper	167	164	03
66.	Daily Wager Class-IV	180	143	37

67.	Daily Wager Sweeper	12	06	06
68.	Part time Class-IV	189	184	05
69	Part Time Sweeper	764	665	99

Budget Position: The total budget of the Department is Rs.51,29,84,000 which is distributed to the Sub offices according to existing institutions.

The particulars of facilities available to citizens for obtaining information including the working hours of a library, or reading room, if maintained for public use.

Whenever, a new scheme is launched or Act/Rules are amended, or any new policy initiative is taken, general public is informed through press notes briefings and also through educational advertisements. However, any citizen is welcomed during the office hours i.e. 10.00 A.M. to 5.00 P.M. for obtaining information.

The names, designation and other particulars of the public information officers.

At Government level

S. No.	Designation	Complete Office Address	Office Telephone No.	E-mail Address	Jurisdiction/Units under his control for which he will rendering information to application
1.	Principal Secretary Ayurveda Appellate Authority	#201 Armsdale Building ,H.P. Secretariat, Shimla-2	0177- 2620560	--	Administrative Department at Secretariat Level
2.	Joint Secretary, Ayurveda Public Information Officer	#207 Armsdale Building ,H.P. Secretariat,	0177- 2828498	--	-do-
3.	Section Officer, Ayurveda Asstt. Public Information Officer	#527 Armsdale Building ,H.P. Secretariat,	0177- 2880504	--	-do-

The names / designation of PIO/ APIO and Appellate Authority

State Level

DEPARTMENT / PUBLIC AUTHORITY: - Director, Indian System of Medicine & Homeopathy, H.P. Shimla-9.

S. No.	Name of Appellate Authority/ PIO and APIO 2	Designation & Office Address. 3	Jurisdiction [area/subject] 4	e-mail (if any) 5	Telephone/Fax number (Office) (Resi) 6
1	Dr. Sunil Chaudhary (Appellate Authority)	Additional Director (ISM&H)	Over all Ayurvedic Institutions of the State	--	0177-2623978
2	Dr. R.P. Sood, (PIO)	Assistant Director (ISM&H)	Over all Ayurvedic Institutions of the State	--	0177-2623978, 2623066
3	Sh. H.S.Mehta (APIO)	Superintendent Gr.-I (ISM&H)	--do--	--	--do--

Distt. Level

DEPARTMENT / PUBLIC AUTHORITY: - Director, Indian System of Medicine & Homeopathy, H.P. Shimla-9.

PIO's at Distt. Level .

S. No.	Designation	Complete Office Address	Office Telephone No.	E-mail Address	Jurisdiction/Units under his control for which he will rendering information to application
1.	Distt. Ayurvedic Officer	O/o of Distt. Ayurvedic Officer under (ISM&H), Distt. Bilaspur Himachal Pradesh.	222486	-	Distt Bilaspur (Ay. Units/Institutions in the Distt.)
2.	Distt. Ayurvedic Officer	O/o of Distt. Ayurvedic Officer under (ISM&H), Distt. Chamba, Himachal Pradesh.	222669	-	Distt. Chamba (Ay Units/Institutions in the Distt.)
3.	Distt. Ayurvedic Officer	O/o of Distt. Ayurvedic Officer under (ISM&H),	222539	-	Distt. Hamirpur (Ay.Units/Institutions in the

		Distt. Hamirpur, Himachal Pradesh.			Distt.)
4.	Distt. Ayurvedic Officer	O/o of Distt. Ayurvedic Officer under (ISM&H), Distt. Kangra, Himachal Pradesh.	223202	-	Distt. Kangra (Ay.Units/Insti tutions in the Distt.)
5.	Distt. Ayurvedic Officer	O/o of Distt. Ayurvedic Officer under (ISM&H), Distt. Kinnaur, Himachal Pradesh.	222209	-	Distt. Kinnaur (Ay.Units/Insti tutions in the Distt.)
6.	Distt. Ayurvedic Officer	O/o of Distt. Ayurvedic Officer under (ISM&H), Distt. Kullu, Himachal Pradesh.	222637	-	Distt. Kullu (Ay.Units/Insti tutions in the Distt.)
7.	Distt. Ayurvedic Officer	O/o of Distt. Ayurvedic Officer under (ISM&H), Distt. L&S, Himachal Pradesh.	222271	-	Distt. L&S (Ay.Units/Insti tutions in the Distt.)
8.	Distt. Ayurvedic Officer	O/o of Distt. Ayurvedic Officer under (ISM&H), Distt. Mandi, Himachal Pradesh.	223362	-	Distt. Mandi (Ay.Units/Insti tutions in the Distt.)
9.	Distt. Ayurvedic Officer	O/o of Distt. Ayurvedic Officer under (ISM&H), Distt. Shimla, Himachal Pradesh.	2658628	-	Distt. Shimla (Ay.Units/Insti tutions in the Distt.)
10.	Distt. Ayurvedic Officer under (ISM&H)	O/o of Distt. Ayurvedic Officer under (ISM&H), Distt. Sirmaur, Himachal Pradesh .	222567	-	Distt. Sirmaur (Ay. Units/Institio ns in the Distt.)
11.	Distt. Ayurvedic Officer	O/o of Distt. Ayurvedic Officer under (ISM&H), Distt. Solan, Himachal Pradesh.	223538	-	Distt. Solan (Ay.Units/Insti tutions in the Distt.)

12.	Distt. Ayurvedic Officer	O/o of Distt. Ayurvedic Officer under (ISM&H), Distt. Una, Himachal Pradesh.	226011	--	Distt. Una (Ay.Units/Institutions in the Distt.)
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VIII. Budgetary Provision

1. Five Year Plan	= Rs. 27374 Lacs
2. Annual Plan 2006-07	= Rs. 3977 Lacs