

# वार्षिक प्रतिवेदन ANNUAL REPORT 2013-2014



केन्द्रीय होम्योपैथी अनुसंधान परिषद्, नई दिल्ली  
CENTRAL COUNCIL FOR RESEARCH IN HOMOEOPATHY, NEW DELHI

# **Annual Report 2013-2014**



## CONTENTS

<b>Subject</b>	<b>Page No.</b>
<b>Preface</b>	<b>1</b>
<b>Abbreviations</b>	<b>2</b>
<b>Objectives, Vision and Mission</b>	<b>5</b>
<b>Administrative Report</b>	<b>9 - 27</b>
Management of the Council	11
Organizational Set up	12
Governing Body	13
Scientific Advisory Committee	14
Standing Finance Committee	16
Ethical Committee	17
Special Committee for Clinical Research	19
Special Committee for Drug Standardisation	21
Special Committee for Homoeopathic Pathogenetic Trial (Drug Proving)	23
Representation of SC/ST in the Council Services	25
Budget	26
Right to Information Act 2005	27
<b>Technical Report</b>	<b>29 - 80</b>
Research Assignments for Institutes/Units for 2013-14	31
Research Activities	
Clinical Research	35
Epidemic Cell	43
Clinical Verification	44
Homoeopathic Pathogenetic Trial (Drug Proving)	51
Drug Standardisation	60
Survey, Collection & Cultivation of Medicinal Plants	66
Fundamental Research	69
Extra Mural Research	76
Gender Issues	80
<b>Publications and Library</b>	<b>81 - 88</b>
Publications	83
Library	86
<b>Other Activities</b>	<b>89 - 99</b>
Meetings of the Committees	91
Workshops/Seminars/CME Programs	94
Health Melas and Exhibitions	97
AYUSH Research Portal	99
<b>List of Institutes/Units</b>	<b>100 - 102</b>

<b>Financial Statements (Accounts)</b>	<b>103 - 145</b>
Balance Sheet for General Account	105
Schedules for Balance Sheet	107
Income & Expenditure Account	111
Schedules for Income & Expenditure Account	113
Statement of Last Year Advances Adjustment	122
Statement of Advances to Employees	124
Significant Accounting Policies	125
Receipts & Payments Account	128
Statements for Receipt & Payment Account	131
Receipt & Payment Account for General Provident Fund	140
Balance Sheet for General Provident Fund	141
Receipt & Payment Account for Pension Fund	142
Balance Sheet for Pension Fund	143
Receipt & Payment Account for New Pension Scheme	144
Balance Sheet for New Pension Scheme	145

## EXECUTIVE SUMMARY

The real progress of a medical system depends as much on the evidence gathered for its basis through scientific research, as it does on successful clinical application. Every research finding that contributes, questions or negates the existing knowledge deserves recording, and subsequent publication. In tune with this thought process, Council is dedicated to taking up challenges in the field of homeopathic research and contributing to the society by putting an evidence-based stamp on the already clinically-tested system.

The present report seeks to apprise the public of the last year's administrative and technical initiatives of the Council and also its ongoing efforts to promote Homoeopathy as a scientific system. The first part of the report presents the organisational set up, Governing Body and the list of experts of various committees of the Council who contributed in various key decisions throughout the year. The annual budgetary plan and the number of queries dealt with under Right to Information Act are also mentioned in this part.

The second part of the report comprises of technical information. It enumerates research assignments of Council's institutes/units for the reported year. Apart from core research activities like drug standardisation, proving and verification, Council is carrying out preclinical and clinical researches in its own institutes as well as in collaboration with other institutes of repute. All these researches, along with their status – whether approved, initiated, ongoing or concluded find a mention in the report. On fixed intervals, these studies are reviewed both internally and externally at the headquarters by the concerned experts and monitored onsite from time to time. Such assessments add elements of consistency and regulation to a project. Upon completion of the studies, efforts are made to publish the results in various reputed research journals. The details of the researches are reported section-wise. These sections are – Clinical Research, Epidemic Cell, Clinical Verification, Homoeopathic Pathogenetic Trial (Drug Proving), Drug Standardisation, Survey, Collection & Cultivation of Medicinal Plants, Fundamental Research and Extra Mural Research – reported inside in that order.

Total attendance at OPDs of Council's institutes/units, including research OPDs, in the past year was 5,62,679, out of which 55% were women. Further, in its pursuit to promote Homoeopathy in epidemics, Council's epidemic cell prepared 'Guidelines For Homoeopathic Practitioners for Management of Dengue', which can be downloaded from the Council's website. In contrast to previous years, instead of organizing epidemic camps for distribution of Genus epidemicus, Council developed specific strategies for dealing with epidemic diseases.

Council also published 3 books: Drug Monograph – Alfalfa, Homoeopathic Drug Proving: Vol.5 and Vernacular Names of Plant Drugs in Homoeopathic Pharmacopoeia of India, 2 handouts, each on menopause and Benign Prostatic Hyperplasia and a non-priced publication 'CCRH –An Overview: Activities & Achievements' in the past year, apart from production of its quarterly research journal, newsletter and Library information periodical – Current Health Literature Awareness Services (CHLAS). Council's library has also subscribed to many e-journals and e-books that the scientists can access online for the purpose of their study and reference. Besides, with an objective to propagate research work and activities of the Council among homoeopathic profession, Council's library has developed a database of homoeopathic fraternity of a number of 4758 of homoeopathic professionals and students in the year 2013 -14 and e-mailed research work and activities of the Council as and when released.

The next part of the report deals with other activities of the Council, like record of various committee meetings, workshops/trainings organised by Council, workshops/trainings attended by CCRH scientists as resource persons or participants, participation in various health melas and exhibitions and CCRH updates on AYUSH portal. A list of Council's institutes/units follows next.

The financial statements of the reported period are laid out in the later pages of this report. Significant accounting policies are also enumerated in this part.

With the foremost aim to serve the public, Council strives to take every day as a new challenge and bring to the fore the strengths of the system in the most scientific manner. The tasks undertaken during the reported year will give you a glimpse of our efforts in this regard, I sincerely hope.



Dr. Raj K. Manchanda  
Director General

## ABBREVIATIONS

ADL	Acute adenolymphangitis
AIIMS	All India Institute of Medical Sciences
AIDS	Acquired Immuno Deficiency Syndrome
BCOM	Both Constitutional and Organopathic Medicines
CAC	Community Awareness Camps
CCRH	Central Council for Research in Homoeopathy
CDRI	Central Drug Research Institute
CHC	Community Health Centre
CIP	Central Institute of Psychiatry
COLL	Collaborative studies
CR	Clinical Research
CRI (H)	Central Research Institute for Homoeopathy
CRU (H)	Clinical Research Unit for Homoeopathy
CSIR	Council of Scientific and Industrial Research
CV	Clinical Verification
CVU	Clinical Verification Unit
DACRRI (H)	Dr. Anjali Chatterjee Regional Research Institute (H)
DOC	Documentation & Publication
DP	Drug Proving
DPRU	Drug Proving Research Unit
DS	Drug Standardization
DSU	Drug Standardisation Unit
EC	Extension Centers
EMR	Extra Mural Research
GDV	Gas Discharge Visualization
HDRI	Homoeopathic Drug Research Institute
HIV	Human Immunodeficiency Virus
HOPD	Homoeopathic Out Patient Department
HPT	Homoeopathic Pathogenetic Trial
HTC	Homoeopathic Treatment Centre
IHBAS	Institute of Human Behaviour & Allied Sciences
ICMR	Indian Council for Medical Research
IEC	Information Education & Communication
ISM&H	Indian Systems of Medicine and Homoeopathy
JIPMER	Jawaharlal Institute of Postgraduate Medical Education and Research

MCH	Mother & Child Health
MDNIY	Morarji Desai National Institute of Yoga
MMRDA	Mumbai Metropolitan Region Development Authority
NACO	National AIDS Control Organisation
NE	North East
NSIC	National Small Industries Corporation
PEC	Project Evaluation Committee
RAV	Rashtriya Ayurveda Vidyapeeth
RO (H)	Research Officer (Homoeopathy)
RO (P)	Research Officer (Pharmacognosy)
RRI (H)	Regional Research Institute for Homoeopathy
SAC	Scientific Advisory Committee
SCCMP	Survey, Collection and Cultivation of Medicinal Plants
SMPCU	Survey of Medicinal Plants and Collection Units
SMPRGH	Survey of Medicinal Plants Research Garden & Herbarium
WHO	World Health Organisation



# OBJECTIVES, VISION AND MISSION





## OBJECTIVES, VISION AND MISSION

### OBJECTIVES

The Central Council for Research in Homoeopathy (CCRH) was established on 30<sup>th</sup> March 1978 under the Societies Registration Act XXI of 1860 with the following main objectives:

- To undertake research programs in Homoeopathy on scientific lines.
- To propagate knowledge and disseminate information pertaining to research in Homoeopathy.
- To undertake experimental studies in connection with causation, mode of spread, prevention and treatment of diseases.
- To initiate, aid, develop and co-ordinate scientific research in different aspects of Homoeopathy: Fundamental and Applied.
- To exchange information with other institutions, associations and societies interested in the objectives similar to those of CCRH.

### VISION

To promote research that contributes towards the development of Homoeopathic System of Medicine globally.

### MISSION

Conducting scientific and ethical research thereby enhancing success rate of clinical practice, promotion of safe, efficient and effective treatment in health care delivery and ensuring global acceptance of Homoeopathy.

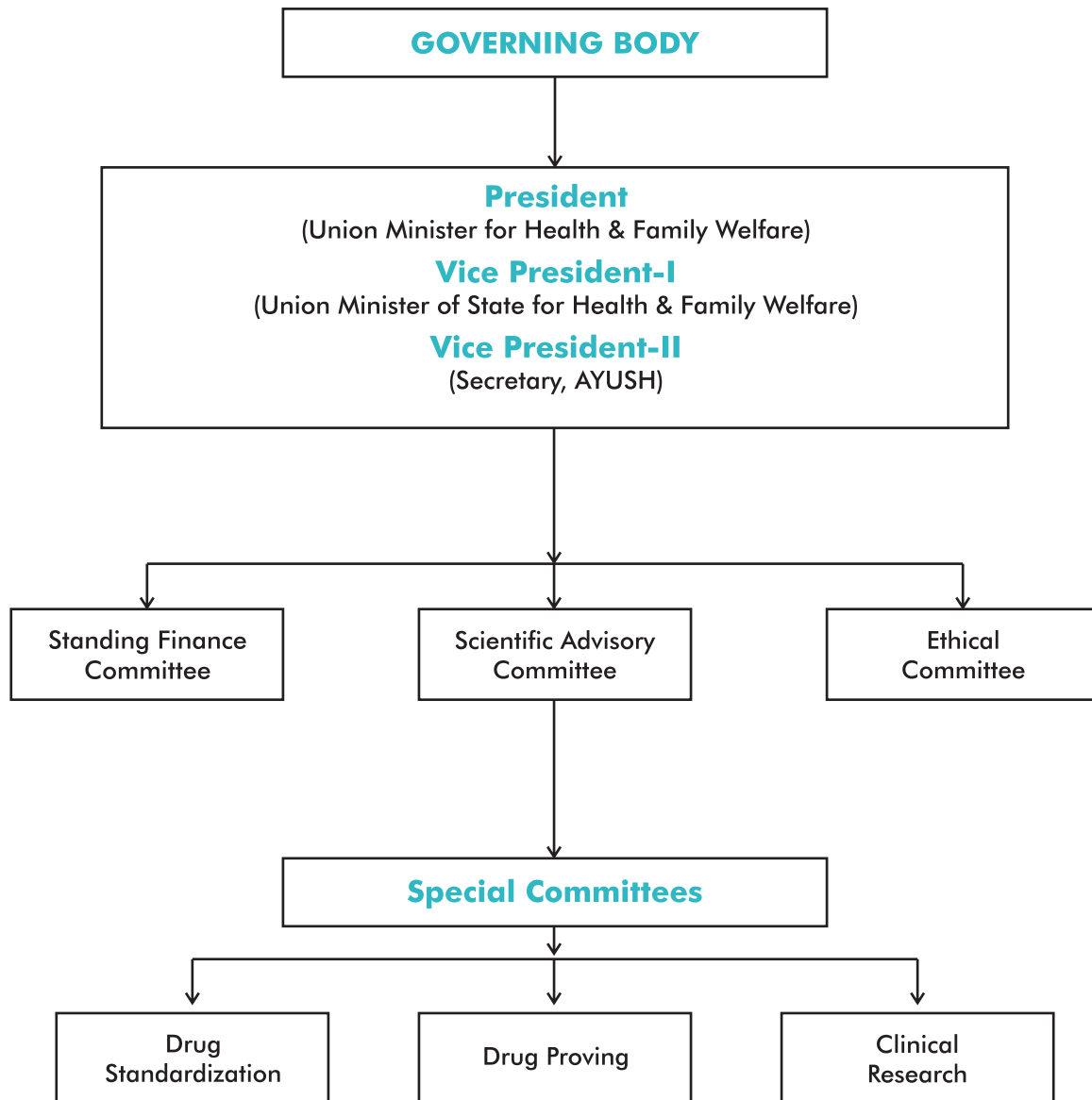


# ADMINISTRATIVE REPORT

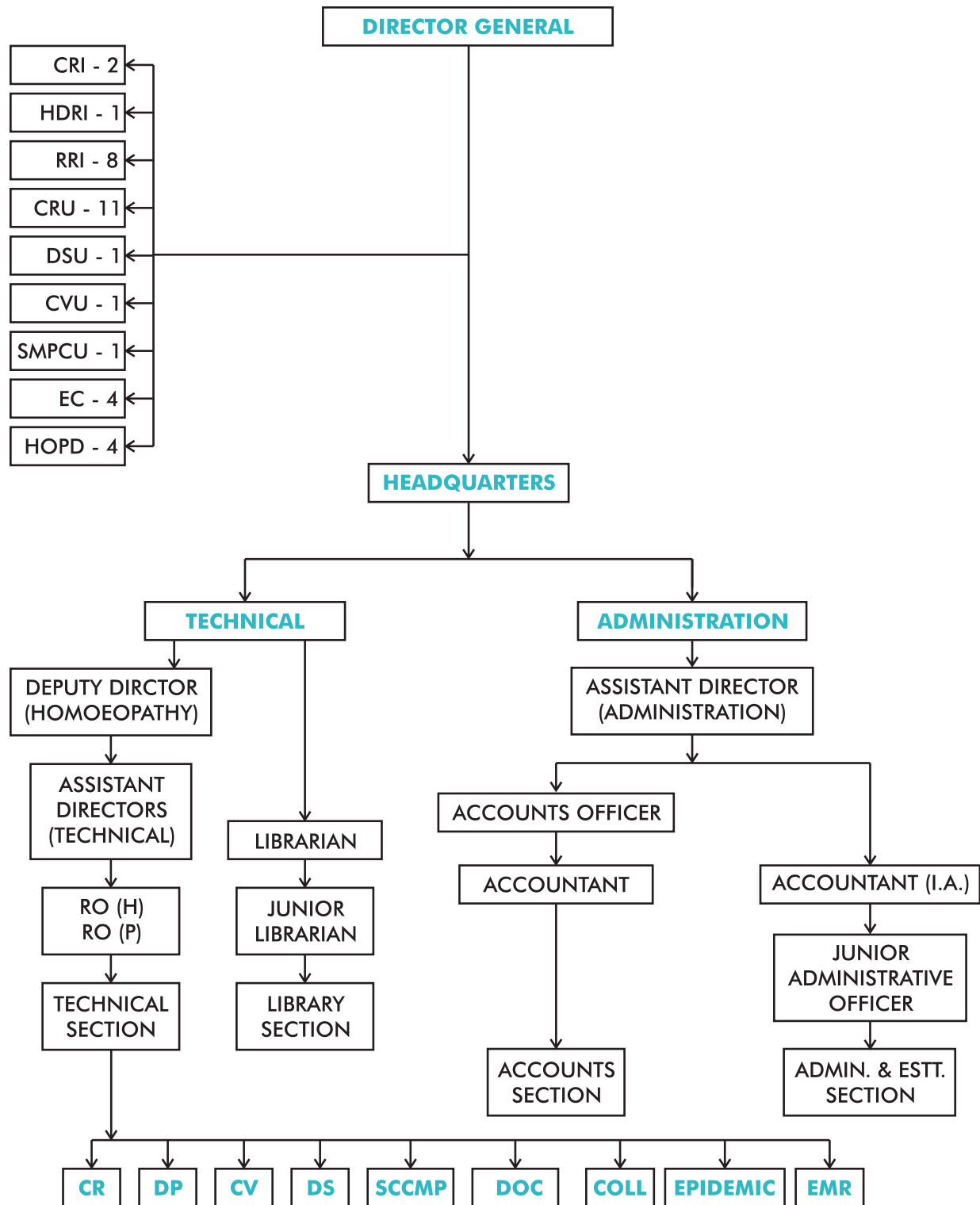




## MANAGEMENT OF THE COUNCIL



## ORGANIZATIONAL SET UP



## GOVERNING BODY

The management of the affairs of the Council is entrusted to a regulatory body which is entitled, the 'Governing Body' of the Central Council for Research in Homoeopathy. Members are as follows:

1. **President** - Hon'ble Union Minister of Health and Family Welfare, Govt. of India
2. **Vice President- I** - Hon'ble Union Minister of State for Health and Family Welfare, Govt. of India
3. **Vice President- II** - Secretary (AYUSH)

### OFFICIAL MEMBERS

1. Additional Secretary & Finance Advisor, Ministry of Health & Family Welfare, Nirman Bhavan, New Delhi
2. Joint Secretary, Deptt. of AYUSH, AYUSH Bhawan, GPO Complex, INA, New Delhi

### NON-OFFICIAL MEMBERS

1. Five experts in Homoeopathy out of which 3 to be University Professors/Researchers in Homoeopathy.
2. Two Scientists - one each in Pharmacology & Botany.
3. One expert in Modern Medicine.
4. Director, National Institute of Homoeopathy, Kolkata.
5. Director General, CCRH- Member Secretary.

## SCIENTIFIC ADVISORY COMMITTEE

- |    |  |          |
|----|--|----------|
| 1. | Dr. V.T. Augustine<br>Former Advisor (Hom.) Govt. of India,<br>401, Mandakini Enclave,<br>Alaknanda,<br>New Delhi-110019   | Chairman |
| 2. | Dr. Alok Kumar<br>Jt Adviser (H)<br>AYUSH Bhawan, B-Block,<br>GPO Complex, INA<br>New Delhi-110023   | Member   |
| 3. | Dr. V.K. Gupta<br>Former Principal,<br>NHMC and Hospital,<br>C-3/29, Rajouri Garden,<br>New Delhi-110027   | Member   |
| 4. | Dr. M.P. Arya<br>Former Principal,<br>Dhondumama Sathe Homoeopathic Medical College,<br>Pune,<br>Maharashtra-411004  | Member   |
| 5. | Prof. (Dr.) C. Nayak<br>Former Director General CCRH,<br>House No. 55B, C-4D Block,<br>Janakpuri,<br>New Delhi-110058  | Member   |
| 6. | Dr Rathin Chakravarty<br>Honorary Physician to the Governor of West Bengal,<br>5, Subal Koley Lane,<br>P.S. Shibpur,<br>Howrah-711101<br>West Bengal   | Member   |
| 7. | Prof. L.K. Nanda<br>Former Principal cum Superintendent,<br>Dr A.C. Homoeopathic Medical College & Hospital,<br>Plot No. 409-B, Paika Nagar, Delta Square,<br>Post-Baramunda,<br>Bhubaneshwar-751003 | Member   |

- |     |  |                  |
|-----|--|------------------|
| 8.  | Dr. V.K. Chauhan<br>Principal,<br>Dr B.R. Sur Homoeopathic Medical College, Hospital and Research Centre,<br>Nanak Pura,<br>New Delhi-110021                       | Member           |
| 9.  | Dr. D.K. Sharma<br>Professor & Consultant Medicine,<br>Vardhman Mahavir Medical College &<br>Safdarjung Medical College & Hospital,<br>New Delhi-110029            | Member           |
| 10. | Dr. Raj K. Manchanda<br>Director General,<br>Central Council for Research in Homoeopathy,<br>61-65, Institutional Area, D-Block,<br>Janakpuri,<br>New Delhi-110058 | Member Secretary |

## STANDING FINANCE COMMITTEE

The Council has a Finance Committee with the following members:

- |    |   |                  |
|----|---|------------------|
| 1. | Sh. Bala Prasad<br>Joint Secretary,<br>Deptt. of AYUSH, AYUSH Bhawan,<br>B-Block, GPO Complex, INA,<br>New Delhi-110023   | Chairman         |
| 2. | Sh. Sanjay Srivastava / Nominee<br>Additional Secretary-cum-FA,<br>MH&FW, Nirman Bhavan,<br>New Delhi   | Member           |
| 3. | Dr. V.T. Augustine<br>Chairman,<br>SAC, C.C.R.H.  | Member           |
| 4. | Dr. V.K. Gupta<br>Former Principal,<br>NHMC and Hospital and Member, SAC,<br>C-3/29, Rajouri Garden,<br>New Delhi-110027  | Member           |
| 5. | Dr. Raj K. Manchanda<br>Director General,<br>Central Council for Research in Homoeopathy,<br>61-65, Institutional Area, D-Block, Janakpuri,<br>New Delhi-110058 | Member Secretary |

## ETHICAL COMMITTEE

- |    |  |          |
|----|--|----------|
| 1. | Retd. Maj. Gen. (Dr.) R.K. Marwaha<br>Institute of Nuclear Medicine & Allied Sciences,<br>Lucknow Road, Timarpur,<br>Delhi - 110 054   | Chairman |
| 2. | Dr. Umesh Kansra<br>Prof. & Consultant,<br>Deptt. of Medicine,<br>Safdarjung Medical College & Hospital,<br>New Delhi-110029   | Member   |
| 3. | Dr. R.K. Varshney<br>Associate Prof., IIT, Delhi,<br>4649/21, Darya Ganj,<br>New Delhi-110002  | Member   |
| 4. | Sh. Sudhir Gandotra<br>Humanist,<br>R-10, IIIrd Floor, Khirki Extn.,<br>Malviya Nagar, New Delhi-110017  | Member   |
| 5. | Dr. S.C. Goswami<br>Philosopher,<br>67, Vaishali, Pitampura,<br>New Delhi-110034   | Member   |
| 6. | Dr. P. Roy Vaid<br>Retd. Prof. Nehru Homoeopathic Medical College<br>and Hospital, New Delhi,<br>1490/21D, Near Gym Khana Club,<br>Faridabad   | Member   |
| 7. | Dr. Surender Singh<br>Assistant Prof.,<br>Deptt. of Pharmacology,<br>All India Institute of Medical Sciences (AIIMS),<br>Ansari Nagar,<br>New Delhi-110029                           | Member   |
| 8. | Dr. Madhu Aggarwal<br>Professor, Deptt. of Obstertrics and Gynaecology,<br>Dr. B.R. Sur Homoeopathic Medical College, Hospital & Research Centre,<br>Nanak Pura,<br>New Delhi-110021 | Member   |

- |     |   |                  |
|-----|---|------------------|
| 9.  | Dr. Rajesh Sagar<br>Additional Professor,<br>Deptt. of Psychiatry,<br>All India Institute of Medical Sciences (AIIMS),<br>Ansari Nagar,<br>New Delhi-110029       | Member           |
| 10. | Dr. Anil Khurana<br>Assistant Director (H),<br>Central Council for Research in Homoeopathy,<br>61-65, Institutional Area, D-Block, Janakpuri,<br>New Delhi-110058 | Member           |
| 11. | Dr. R.K. Sharma<br>Director Incharge,<br>Homoeopathic Pharmacopoeia Laboratory,<br>Opposite M-Block, Sanjay Nagar,<br>Near N.T.H., Kamla Nehru,<br>Ghaziabad      | Member           |
| 12. | Dr. Raj K. Manchanda<br>Director General,<br>Central Council for Research in Homoeopathy,<br>61-65, Institutional Area, D-Block, Janakpuri,<br>New Delhi-110058   | Member Secretary |

## SPECIAL COMMITTEE FOR CLINICAL RESEARCH

- |    |  |          |
|----|--|----------|
| 1. | <p>Dr. V.K. Gupta<br/>Former Principal,<br/>NHMC and Hospital and Member SAC<br/>C-3/29, Rajouri Garden,<br/>New Delhi-110027</p>  | Chairman |
| 2. | <p>Dr. K.M. Dhawale<br/>Principal and HOD, Department of Psychiatry,<br/>Dr. M.L. Dhawle Memorial Trust's<br/>BMC's Mother &amp; Child Care Centre, 3rd Floor,<br/>Harishankar Joshi Marg, Dahisar East,<br/>Mumbai-400068</p> | Member   |
| 3. | <p>Dr. V.K. Chauhan<br/>Principal,<br/>Dr. B.R. Sur Homoeopathic Medical College,<br/>Hospital and Research Centre,<br/>Nanak Pura,<br/>New Delhi-110021</p>   | Member   |
| 4. | <p>Dr. S.K. Nanda<br/>Director,<br/>National Institute of Homoeopathy,<br/>Block-GE, Sector-III,<br/>Salt Lake City,<br/>Kolkata-700106</p>  | Member   |
| 5. | <p>Dr. Harsh Nigam<br/>Homoeopathic Consultant,<br/>37/51, Shivala Road,<br/>Kanpur-208001</p>   | Member   |
| 6. | <p>Dr. Alok Kumar<br/>Joint Advisor<br/>Dealing with CCRH,<br/>Deptt. of AYUSH,<br/>AYUSH Bhawan, GPO Complex, INA,<br/>New Delhi-110023</p>   | Member   |
| 7. | <p>Dr. Mohammad Quasim<br/>Hon. Physician, HTC Safdarjung,<br/>B-36, Hazrat Nizamuddin West,<br/>New Delhi-110013</p>  | Member   |

- |     |   |        |
|-----|---|--------|
| 8.  | Dr. S.K. Bhattacharya<br>Head of the Department,<br>Materia Medica,<br>National Institute of Homoeopathy,<br>Kolkata-700106                                     | Member |
| 9.  | Dr. Alok Pareek<br>Homoeopathic Consultant,<br>Pareek Hospital and Research Centre,<br>4/10, Bagh Farzana, Civil Lines,<br>Agra-282002                          | Member |
| 10. | Dr. Raj K. Manchanda<br>Director General,<br>Central Council for Research in Homoeopathy,<br>61-65, Institutional Area, D-Block, Janakpuri,<br>New Delhi-110058 | Member |

## SPECIAL COMMITTEE FOR DRUG STANDARDISATION

- |    |   |          |
|----|---|----------|
| 1. | <p>Dr. P.N. Varma<br/>           Technical Advisor,<br/>           Dr. Willmar Schwabe India Pvt. Ltd.,<br/>           A-36, Sector-60, Phase-III,<br/>           Noida-201304</p>  | Chairman |
| 2. | <p>Dr. C.D. Tripathy<br/>           Head, Deptt. of Pharmacology,<br/>           Vardhman Mahavir Medical College,<br/>           Safdarjung Hospital,<br/>           New Delhi-110029</p>  | Member   |
| 3. | <p>Dr. Rakesh Shukla<br/>           Senior Scientist,<br/>           Central Drug Research Institute,<br/>           Lucknow-226001</p>   | Member   |
| 4. | <p>Dr. D.S. Bhar<br/>           Managing Director,<br/>           Hahnemann Publishing Company Pvt. Ltd.,<br/>           165, Bipin Behary Ganguly Street,<br/>           Kolkata-700012</p>  | Member   |
| 5. | <p>Dr. Veerabrahmachary<br/>           Homoeopathic Consultant,<br/>           Dr. Brahamachary's Homoeopathy Centre,<br/>           358, III stage, 4th Block, 8th Main, Basavdeswari Nagar,<br/>           Bangalore-560049, Karnataka</p>          | Member   |
| 6. | <p>Dr. P.V. Venkataraman<br/>           President,<br/>           Tamil Nadu Homoeopathic Doctor's Association,<br/>           33, First Main Road, Lake Area,<br/>           (Near Velluvar Kottam), Nungambakkam,<br/>           Chennai-600034</p> | Member   |
| 7. | <p>Dr. C.S. Nautiyal<br/>           Director Incharge,<br/>           Central Institute of Medicinal and Aromatic Plants,<br/>           P.O. CIMAP, Lucknow-226015</p>   | Member   |

- |     |   |                  |
|-----|---|------------------|
| 8.  | Dr. R.K. Sharma<br>Director Incharge,<br>Homoeopathic Pharmacopoeia Laboratory,<br>Kamla Nehru Nagar, Ghaziabad-201002  | Member           |
| 9.  | Dr. G.P. Garg<br>Senior Chief Chemist,<br>Department of AYUSH,<br>AYUSH Bhawan, GPO Complex,<br>INA, New Delhi  | Member           |
| 10. | Dr. Surender Singh<br>Assistant Professor,<br>Department of Pharmacology,<br>AIIMS Ansari Nagar,<br>New Delhi-110029  | Member           |
| 11. | Dr. Raj K. Manchanda<br>Director General,<br>Central Council for Research in Homoeopathy,<br>61-65, Institutional Area, D-Block, Janakpuri,<br>New Delhi-110058 | Member Secretary |

## SPECIAL COMMITTEE FOR HOMOEOPATHIC PATHOGENETIC TRIAL (DRUG PROVING)

- |    |  |          |
|----|--|----------|
| 1. | <p>Dr. N. Mohanty<br/>Former Principal-Cum-Superintendent,<br/>Dr. A.C. Homoeopathic Medical College &amp; Hospital,<br/>Plot No. 92, Dharama Vihar, Khandagiri Square,<br/>Bhubaneswar-751013</p>       | Chairman |
| 2. | <p>Dr. Girish Gupta<br/>Chief Consultant Physician,<br/>Gaurang Clinic &amp; Centre for Homoeopathic Research,<br/>B-1/16, Sector-A, Near Rajshree Talkies, Kapoorthala, Aliganj,<br/>Lucknow-226024</p> | Member   |
| 3. | <p>Dr. Madhu Aggarwal<br/>Professor,<br/>Dr. B.R. Sur Homoeopathic Medical College, Hospital &amp; Research Centre,<br/>Nanak Pura,<br/>New Delhi-110021</p>   | Member   |
| 4. | <p>Dr. Arvind Kothe<br/>Former Principal,<br/>Shri Kamaxidevi Homoeopathic Medical College &amp; Hospital,<br/>Shiv Shal, Shiroda,<br/>Goa-403103</p>  | Member   |
| 5. | <p>Dr. Ajit Kulkarni<br/>Homoeopathic Consultant,<br/>Prestige Chambers, Powai Naka,<br/>Ravivar peth, Satara,<br/>Maharashtra-415110</p>  | Member   |
| 6. | <p>Dr. G.R. Mohan<br/>Former Principal,<br/>Dev's Homoeopathic Medical College,<br/>Deva Nagar, Anki, Reddy Pally,<br/>Keesara-Mandal,<br/>RR District-501301</p>  | Member   |
| 7. | <p>Dr. D.K. Gupta<br/>Homoeopathic Consultant,<br/>Block-B-1A/33A, Janakpuri,<br/>New Delhi-110058</p>   | Member   |

8. Dr. Raj K. Manchanda  
Director General,  
Central Council for Research in Homoeopathy,  
61-65, Institutional Area, D-Block, Janakpuri,  
New Delhi-110058

Member Secretary

## REPRESENTATION OF SCHEDULED CASTES / SCHEDULED TRIBES IN THE COUNCIL SERVICES

The Council is following the orders and guidelines, issued from time to time by the Government of India in respect of reservation and representation of SC/ST in the services of the Council. The number of sanctioned posts, filled up posts during the last financial year, SC/ST and OBC employees working in the Council as on 31.03.2014 were as under:

Group	Number of Sanctioned Posts	Posts filled in 2013-14	Categories			
			SC	ST	OBC	General
A	127	3	1	--	--	2
B	52	4	1	--	--	3
C	178	6	1	--	--	5
D	99	--	--	--	--	--
Total	456	13	3	--	--	10

## BUDGET

The following table shows the budget of the Council for the year 2013-2014.

Allotted Budget 2013-14*	PLAN*					TOTAL PLAN*	NON-PLAN*
	General Area Plan	Capital Assets	Special Component Plan for Schedule Caste	Tribal Area Plan	Medical Education, Training & Research		
<b>7,873.78</b>	2,700.00	2,600.00	300.00	200.00	400.00	<b>6200.00</b>	<b>1673.78</b>

\* All figures in lakhs

## RIGHT TO INFORMATION ACT 2005

The Right to Information Act (RTI) is an Act of the Parliament of India "to provide for setting out the practical regime of right to information for citizens". The Act also requires every public authority to computerize their records for wide dissemination and to pro-actively publish certain categories of information so that the citizens need minimum recourse to request for information formally. This law was passed by Parliament on 15 June 2005 and came fully into force on 13 October 2005. The Indian Parliament gave a powerful tool to the citizens to get information from the Government as a matter of right.

The basic object of the Right to Information Act is to empower the citizens, promote transparency and accountability in the working of the Government contain corruption, and make our democracy work for the people in real sense. It goes without saying that an informed citizen is better equipped to keep necessary vigil on the instruments of governance and make the government more accountable to the governed. The Act is a big step towards making the citizens informed about the activities of the Government.

The Council has been providing the requisite information to the citizens by following the essence of the Act. During 2013-14, the queries received from the citizens are complied as under:

• Opening balance of queries as on 01.04.2013	:	8
• Number of applications received as transferred from other PSU u/s 6(1)	:	44
• Received applications (including cases transferred to other Public Authorities)	:	88
• Number of cases transferred to other Public Authorities	:	2
• Decision where requests/ appeals rejected	:	Nil



# TECHNICAL REPORT



**The Council has undertaken following research activities during the year (2013- 2014)**

- Clinical Research
- Clinical Verification Research
- Drug Proving Research
- Drug Standardization Research
- Survey, Collection and Cultivation of Medicinal Plants
- Fundamental Research
- Extra Mural Research

## RESEARCH ASSIGNMENTS FOR INSTITUTES/UNITS FOR 2013-14

Table 1.1

Sl. No.	Name of the State/U.T.	Sub. Sl. No.	Name of Institute/Unit	Projects assigned
1.	<b>Andaman and Nicobar Islands</b>	a.	Clinical Research Unit (H), <b>Port Blair</b>	1. Benign Prostatic Hyperplasia (RCT) 2. Clinical Verification Research on 16 drugs 3. Rheumatology clinic
		b.	Extn. Centre of CRU(H), Portblair at CHC, <b>Diglipur</b>	1. Leptospirosis (RCT) at Diglipur 2. Clinical Verification Research on 16 drugs
2.	<b>Andhra Pradesh</b>	a.	Regional Research Institute(H), <b>Gudivada</b>	1. Benign Prostatic Hyperplasia (RCT) 2. Cervical Spondylosis (RCT) 3. Diabetic Distal Symmetric Polyneuropathy (RCT) 4. Acute Otitis Media (RCT) 5. Pre Diabetes State 6. Dyslipidemia 7. Clinical Verification Research on 16 drugs 8. Drug Proving Research on 03 drugs 9. Dermatology Clinic 10. Rheumatology Clinic
		b.	Drug Standardisation Unit (H), <b>Hyderabad</b>	1. Diabetic Distal Symmetric Polyneuropathy (RCT) 2. Hypertension 3. Pre Diabetes State 4. Drug Standardization Research
		c.	D.S.U. Extension Unit, <b>Hyderabad</b>	1. Cervical Spondylosis (RCT) 2. Diabetic Foot Ulcer (RCT) 3. Acute Otitis Media (RCT) 4. Polycystic Ovarian Syndrome 5. Dyslipidemia
		d.	Clinical Research Unit (H), <b>Tirupathi</b>	1. Benign Prostatic Hyperplasia (RCT) 2. Diabetic Distal Symmetric Polyneuropathy (RCT) 3. Pre Diabetes State 4. Dyslipidemia 5. Hypertension
3.	<b>Assam [N.E]</b>	a.	Regional Research Institute (H), <b>Guwahati</b>	1. Chronic Rhinosinusitis (RCT) 2. Acute Otitis Media 3. Hypertension 4. Clinical Verification Research on 16 drugs 5. Dermatology Clinic

Sl. No.	Name of the State/U.T.	Sub. Sl. No.	Name of Institute/Unit	Projects assigned
4.	<b>Bihar</b>	a.	Clinical Verification Unit (H), <b>Patna</b>	1. Clinical Verification Research on 16 drugs
5.	<b>Himachal Pradesh</b>	a.	Regional Research Institute (H), <b>New Shimla</b>	1. Chronic Rhinosinusitis (RCT) 2. Urolithiasis (RCT) 3. Acute Otitis Media 4. Clinical Verification Research on 16 drugs 5. Rheumatology clinic
6.	<b>Jharkhand</b>	a.	Clinical Research Unit (T), <b>Ranchi</b>	1. Schizophrenia (RCT) 2. Clinical Verification Research on 16 drugs
7.	<b>Kerala</b>	a.	Central Research Institute (H), <b>Kottayam</b>	1. Benign Prostatic Hyperplasia (RCT) 2. Cervical Spondylosis (RCT) 3. Schizophrenia (RCT) 4. Autism (RCT) 5. Alcohol Dependence 6. Acute Otitis Media 7. Dyslipidemia 8. Pre Diabetes State 9. Drug Proving Research 10. Dermatology Clinic
8.	<b>Maharashtra</b>	a.	Regional Research Institute (H), <b>Navi Mumbai</b>	1. Cervical Spondylosis (RCT) 2. Menopause (RCT) 3. Acute Otitis Media (RCT) 4. Breast Fibroadenoma (RCT) 5. Autism 6. Rheumatology Clinic 7. Gastro Esophageal Reflux Disease 8. Drug Proving Research 9. Dermatology Clinic
9.	<b>Manipur [N.E]</b>	a.	Regional Research Institute (H), <b>Imphal</b>	1. Acute Otitis Media 2. Hypertension 3. Clinical Verification Research on 16 drugs
10.	<b>Meghalaya [N.E]</b>	a.	Clinical Research Unit (T), <b>Shillong</b>	1. Acute Otitis Media 2. Clinical Verification Research 3. Rheumatology clinic
11.	<b>Mizoram</b>	a.	Clinical Research Unit (H), <b>Aizwal</b>	1. Clinical Verification Research on 16 drugs
12.	<b>Nagaland</b>	a.	Clinical Research Unit (T), <b>Dimapur</b>	1. Clinical Verification Research on 16 drugs

Sl. No.	Name of the State/U.T.	Sub. Sl. No.	Name of Institute/Unit	Projects assigned
13.	<b>Odisha</b>	a.	Regional Research Institute (H), <b>Puri</b>	1. Menopause (RCT) 2. Filariasis (RCT) 3. Breast Fibroadenoma (RCT) 4. Clinical Verification Research on 16 drugs 5. Dermatology Clinic
		b.	Extn. Centre of RRI Puri at <b>Bhubaneswar</b>	1. Urolithiasis (RCT) 2. Drug Proving Research 3. Clinical Verification Research on 16 drugs
14.	<b>Rajasthan</b>	a.	Regional Research Institute (H), <b>Jaipur</b>	1. Chronic Rhinosinusitis 2. Cervical Spondylosis (RCT) 3. Urolithiasis (RCT) 4. Acute Otitis Media (RCT) 5. Rheumatology Clinic 6. Dermatology Clinic
15.	<b>Sikkim [N.E]</b>	a.	Clinical Research Unit (T), <b>Gangtok</b>	1. Benign Prostatic Hyperplasia (RCT)
16.	<b>Tamil Nadu</b>	a.	Clinical Research Unit (H), <b>Chennai</b>	1. Diabetic Distal Symmetric Polyneuropathy (RCT) 2. Pre Diabetes State 3. Dyslipidemia 4. Hypertension 5. Clinical Verification Research on 16 drugs
		b.	Survey of Medicinal Plants and Collection Unit (H), <b>The Nilgiri District</b>	1. Survey, Collection & cultivation of medicinal plants: a) Supply of 08 assigned drugs to various Drug Standardization units of the Council b) Cultivation of medicinal plants in homoeopathy (specially exotic and not easily available)
17.	<b>Puducherry</b>	a.	Clinical Research Unit (H), <b>Puducherry</b>	1. Diabetic Distal Symmetric Polyneuropathy (RCT) 2. Cervical Spondylosis (RCT) 3. Pre Diabetes State 4. Dyslipidemia
18.	<b>Tripura (West)</b>	a.	Clinical Research Unit (T), <b>Agartala</b>	1. Clinical Verification Research on 16 drugs 2. Rheumatology clinic
19.	<b>Uttar Pradesh</b>	a.	Homoeopathic Drug Research Institute(H), <b>Lucknow</b>	1. Urolithiasis (RCT) 2. Drug Proving Research 3. Clinical Verification Research on 16 drugs 4. Collaborative Research

Sl. No.	Name of the State/U.T.	Sub. Sl. No.	Name of Institute/Unit	Projects assigned
		b.	Ext. Centre of HDRI, Lucknow at B.R.D. Medical College, <b>Gorakhpur</b>	1. AES (IPD based study at B.R.D. Medical College, Gorakhpur)
		c.	Central Research Institute (H), <b>Noida</b>	1. Cervical Spondylosis (RCT) 2. Benign Prostatic Hyperplasia (RCT) 3. Urolithiasis (RCT) 4. Chronic Rhinosinusitis (RCT) 5. Menopause (RCT) 6. Acute Otitis Media (RCT) 7. Dyslipidemia 8. Hypertension 9. Pre Diabetes State 10. Breast Fibroadenoma (RCT) 11. Polycystic Ovarian Syndrome 12. Gastro Esophageal Reflux Disease 13. Drug Proving Research 14. 06 in-vitro studies on fungal and bacterial cultures 15. Clinical Verification Research on 16 drugs 16. Drug Standardisation Research, Pharmacognosy of 08 drugs 17. Dermatology Clinic 18. Rheumatology Clinic
20.	<b>West Bengal</b>	a.	Clinical Research Unit (H), <b>Siliguri</b>	1. Diabetic Distal Symmetric Polyneuropathy (RCT) 2. Menopause (RCT) 3. Pre Diabetes State 4. Urolithiasis (RCT) 5. Rheumatology Clinic
		b.	Dr. Anjali Chatterjee Regional Research Institute (H), <b>Kolkata</b>	1. Urolithiasis (RCT) 2. Autism 3. Breast Cancer 4. Hypertension 5. Gastro Esophageal Reflux Disease 6. Breast fibroadenoma 7. Drug Proving Research 8. Clinical Verification Research on 16 drugs

# RESEARCH ACTIVITIES

## CLINICAL RESEARCH

### A. ONGOING STUDIES:

#### 1. A randomized placebo controlled, cross-over, clinical trial of homoeopathic medicines in Autism

A randomized placebo controlled cross-over study to assess the effectiveness of homoeopathic medicine in Autistic children aged 3 to 16 years is continuing at 3 institutes of CCRH viz. CRI (H), Kottayam, DACRRI (H), Kolkata and RRI (H), Navi Mumbai. Cases of autism are screened and enrolled as per predefined inclusion and exclusion criteria after taking written informed consent. The enrolled cases are then being grouped into homoeopathic group and placebo group as per randomization.

The primary objective of the study is to evaluate the effectiveness of homoeopathic therapy in the treatment of Autism. 50% reduction in baseline score according to Childhood Autism Rating Scale (CARS) and Autism Treatment Evaluation Checklist (ATEC) is the primary endpoint of the study.

So far a total 216 cases have been screened and 53 enrolled. The dropped out cases are 7, referred case is 1 and total 45 cases are under observation. The outcome status of the study will be analyzed after completion of follow-up of 2 years.

#### 2. Homoeopathy as adjunctive treatment to *Resperidone/ Olanzapine* in treatment resistant patients of Schizophrenia: an open label randomized placebo controlled trial

It is an open label randomized placebo controlled study to compare the effect of adjunctive homoeopathic therapy as an add-on to conventional medicines on schizophrenia using PANSS, CGI-SCH and BPRS on the patients, aged 18-45 years diagnosed with schizophrenia. Patients are randomized and prescribed either Homoeopathy or placebo; however, *Resperidone* or *Olanzapine* is given to the patients as per the direction of psychiatrist.

The study has been initiated at CRI (H), Kottayam, from July 2013. Total 145 cases have been screened and 36 enrolled. Of 109 excluded cases, 27 were non-resistant, 3 were not willing, 17 had psychosis NOS, 24 suffered from Bi-Polar Affective Disorder (BPAD), 5 had schizo-affective disorder, 6 had delusional disorder, 7 had depressive disorder, 1 had organic psychosis and 17 were of neurotic disorders. Of 36 enrolled cases, 18 are under homoeopathic group and 18 are under placebo. Those under follow-up are 29 and 7 cases have dropped out. The outcome as per CGI (Clinical Global Improvement) scale in homoeopathic group is, 3 cases improved markedly, 8 moderately, 2 mildly, 1 case is static and 4 dropped out and in placebo group, 2 cases showed moderate, 9 mild, 2 non-significant improvement, 2 are worse, and 3 dropped out. The medicines found effective are *Lycopodium*(n=5), *Arsenicum album*(n=2), *Pulsatilla*(n=2), *Sulphur*(n=2), *Natrum mur.*(n=1), and *Calcarea carb.*(n=1).

At CIP, Ranchi, pre-trial preparations are underway following which the study will be initiated.

### 3. Adjuvant homoeopathic management for Breast Cancer patients experiencing side effects from chemotherapy-A pilot study

While chemotherapy can be quite effective in treating certain cancers, chemotherapy drugs reach all parts of the body, not just the cancer cells and hence there may be many side effects during treatment. Homoeopathic literature has many drugs in its armamentarium which can manage the side effects of chemotherapy. Therefore, observational pilot study of homoeopathic medicines in managing the side effects of chemotherapy in breast cancer patients is being carried out by Council at DACRRI (H), Kolkata. The study was initiated in August 2012. Female participants, 18 years and above, at any stage and with any type of breast cancer undergoing chemotherapy, presenting with side effects of chemotherapy and reporting within 2 weeks of starting chemotherapy, are being enrolled in the study. Homoeopathic medicines are prescribed after case taking on the basis of presenting totality of symptoms. The treatment and follow up period is 4 months. Assessment is done as per Edmonton Symptom Assessment Scale (Revised Version), EORTC QLQ-C30 and QLQ-BR23. 11 patients have been screened and 10 enrolled for the study since inception. Results so far indicate the positive outcome.

### 4. Comparative trial in the management of Alcohol Dependence: Standard Allopathy Treatment vs. Homoeopathy- a randomized trial

A randomized comparative trial with Homoeopathy and Allopathy treatment in alcohol dependence was initiated at CRI (H), Kottayam in October 2012. The primary objective of study is to compare the effect of homoeopathic medicines in the management of alcohol dependence with standard Allopathy treatment. Subjects of both sexes between 15 to 60 years from various occupations, socioeconomic conditions; diagnosed as per ICD 10 criteria for alcohol dependence & willing to quit alcohol and give written informed consent are included in study. Primary study endpoint is more than 50% reduction in symptom score in comparison to baseline as per Rating Scale SADQ after treatment of 1 year. Secondary end points include reduction in craving for alcohol, quantity of alcohol and frequency of drinking and improvement in Quality of Life (QOL) score as compared to the baseline score. 109 patients have been screened and 80 patients are enrolled since inception as per inclusion/exclusion criteria of the protocol. 40 patients are included under the Homoeopathy group as per randomization chart. During the reporting year, 60 patients were screened and 44 were enrolled. All patients are under observation. The commonly indicated medicines found in these patients are *Sulphur* 200(n=10), *Nux Vomica* 30(n=10), *Lycopodium* 30/200(n=8), *Arsenicum alb.* 30/200(n=7), *Lachesis* 30(n=3) and *Phosphorus* 30(n=2).

### 5. *Lycopodium clavatum* in Urolithiasis: a randomized, double blind, placebo controlled clinical trial.

A randomized, double blind, placebo controlled clinical trial was initiated in 2012 at seven centres. The primary objective of study is to evaluate the efficacy of *Lycopodium clavatum* in the treatment of Urolithiasis. Patients are enrolled from Out Patient Department (OPD) of the CRI (H), Noida, HDRI, Lucknow, RRI (H) New Shimla, Jaipur, Kolkata, CRU (H), Siliguri and DPRU, Bhubaneswar. Patients with radiographic evidence of calculi in kidney/ ureter/ bladder, 5mm or above in case of single calculus and at least one calculus being 5mm or above case of multiple calculi; both male & female falling in age group of 18 to 60 years were enrolled for the study.

A total of 753 patients have been screened and 136 patients are enrolled in the study since inception as per the inclusion/exclusion criteria of the study. During the reporting year, 320 patients were screened and 72 were enrolled. A review meeting was held in February 2014 to discuss the status of the study where preliminary analysis was done and it was found that 78% power has been achieved which was found sufficient enough to conclude the study. Therefore, further enrollment was stopped beyond March 2014. All these patients are under follow up.

#### **6. Effectiveness of homeopathic medicines vs placebo as add on to institutional management protocol for Acute Encephalitis Syndrome (AES) – An observational comparative study.**

The Council proposed a study titled 'Effectiveness of homeopathic medicines-vs-placebo as add on to institutional management protocol for Acute Encephalitis Syndrome (AES) – a randomized single blind placebo controlled trial'. However, it was proposed to conduct an observational comparative study in the lines of protocol developed for conducting randomized controlled study at first instance in 2012 on the patients suffering from AES. Accordingly, the enrollment was done as per the inclusion criteria of the protocol.

During the current year, 100 patients/children of age (>6 months < 18 years); acute onset of fever of  $\leq 15$  days and a change in mental status (including symptoms such as confusion, disorientation, coma, or inability to talk) and/or new onset of seizures and giving written informed consent were enrolled for the study and were allocated to the H + IMP group and IMP group as per randomization chart. The primary objective was to assess the effectiveness of homeopathic medicines as an add-on therapy in AES along with standardized institutional management protocol (IMP) in reducing the mortality and disability.

17 cases (10 from H+IMP and 7 from IMP group) were lost to follow up during the study. The analysis of the 83 cases under follow up (H + IMP: 40; IMP: 43) has revealed that there was mortality of 10% (4 out of 40 children) in the H + IMP group whereas in IMP group it was 16.27% (7 out of 43 children). The medicines frequently prescribed were: *Arnica*(n=1), *Arsenic album*(n=8), *Belladonna*(n=9), *Bryonia alba*(n=2), *Carbo veg.*(n=1), *Causticum*(n=2), *Nux vomica*(n=2), *Opium*(n=4), *Phosphorus*(n=1), *Stramonium* (n=8) and *Sulphur*(n=1).

However, the protocol for the double blind study has been placed before the Research Committee of the BRD Medical College and Hospital, Gorakhpur which has suggested certain modifications which are under process. The study shall be initiated after the approval of the Research Committee and Ethical Committee of the BRD Medical College and SAC of the Council.

#### **7. Homeopathic therapy for lower urinary tract symptoms in men with Benign Prostatic Hyperplasia: a randomized multicentric clinical trial.**

Benign Prostatic Hyperplasia (BPH) is a widely prevalent condition among older men and is responsible for considerable disability. Surveys on management of BPH reveal disparities between patient priorities and physician's beliefs. The results of the observational studies conducted by CCRH alone as well as in collaboration with Homoeopathic Research Foundation and under Extra Mural Research were found to be useful and positive. This is a randomized controlled trial with therapeutic intervention for 6 months. Randomization of enrolled cases in three groups (Homoeopathic constitutional, Homoeopathic constitutional + Organ remedy and Placebo) is done and recorded in the study protocol. The quality of life in enrolled cases is assessed by WHO QOL BREF at six months. This multicentric trial is being conducted at six centers and 252

patients are to be enrolled in the study. The centers for this study are CRI (H), Noida; CRI (H), Kottayam; RRI (H), Gudivada; CRU (H), Tirupathi and CRU (H), Port Blair. 414 patients have been screened and 209 patients were enrolled during the reporting period.

#### **8. Efficacy of homoeopathic treatment for Diabetic Distal Symmetric Polyneuropathy: a multicentric randomized double blind placebo controlled clinical trial.**

Diabetic neuropathy is defined as the presence of symptoms and/or signs of peripheral nerve dysfunction in a patient with diabetes, after the exclusion of other causes. Several drug studies, one observational study has been conducted by CCRH and one observational study conducted in Italy have shown good results in controlling diabetes and relieving the neuropathy symptoms. Thus, this study is being taken up by the Council to evaluate the efficacy of homoeopathic treatment using pre-defined medicines in the management of Diabetic Distal Symmetric Polyneuropathy.

It is a double blind randomized placebo control clinical trial with a sample size of 84 patients and follow up period of one year, which is conducted at six centers namely, RRI (H), Gudivada; CRU (H), Chennai; CRU (H), Puducherry; CRU (H), Tirupathi; CRU (H), Siliguri and CRI (H), Noida. The primary objective of this study is to evaluate the efficacy of Homoeopathic treatment using pre-identified medicines in the management of Diabetic Distal Symmetric Polyneuropathy (DDSP). The secondary objective is assess the quality of life of patients (QOL) enrolled in the study for treatment of DDSP using WHOQOL BREF questionnaire and assessing the change in Diabetic Neuropathy Examination Score after intervention. The primary outcome measure compares the change in the Neuropathy Total Symptom Score-6 from baseline to 12 months post-intervention in both the groups. The secondary outcome compares the changes in Serum glycosylated haemoglobin, Peripheral nerve conduction test, Lipid profile, WHOQOL BREF and Diabetic Neuropathy Examination Score between the groups post intervention at appropriate intervals as per the provision in protocol. During the reporting period, 453 patients have been screened and 64 patients have been enrolled in the study.

#### **9. Sepia in menopausal symptoms: a multi-centre randomized double blind placebo controlled clinical trial.**

Homoeopathic treatment is safe, cost-effective and can be made accessible to the women for better management of menopausal symptoms. *Sepia* was found as the most frequently indicated and useful medicine in the previous study on Menopause conducted by the Council. Therefore, *Sepia* was chosen for this double blind RCT. This multicentre study was conducted at 4 centres, i.e. RRI (H), Navi Mumbai, Puri; CRU (H), Siliguri and CRI (H), Noida. The study had two arms, viz. Homoeopathic intervention and placebo. Two series of medicines were used, one comprised of *Sepia* in 200C dilution manufactured by a GMP Compliant Homoeopathic pharmaceutical company approved by the Council and the other comprised of identical matching placebo. The main outcome measures were the assessment of symptoms utilizing 'The Greene Climacteric Scale'. The study was initiated in March 2012 and the target assigned was total 88 cases. Total 447 case were screened and 88 cases were enrolled in the study. At RRI (H), Puri, out of 22 enrolled cases 20 cases have completed the follow up, and 2 cases are under follow up. At CRI (H), Noida, out of 22 enrolled cases, 2 cases were dropped out, 19 completed the follow up and 1 case is under follow up. At CRU (H), Siliguri, out of 22 cases enrolled, 2 cases were dropped out, 5 completed the follow up and fifteen (15) cases are under follow up. At RRI (H), Navi Mumbai, out of 22 enrolled cases, 3 cases were dropped out and 19 have completed the follow up.

### 10. A randomized open controlled trial of pre-defined Homoeopathic medicines on Acute Adenolymphangitis (ADL) due to Lymphatic Filariasis.

Council had carried out a multi centre open clinical trial for evaluating usefulness of homoeopathic medicines in Filariasis during the years 1980-2003 which indicated the positive results. As there was no randomized open controlled trial on Acute Adenolymphangitis (ADL) due to Lymphatic Filariasis, this study was taken up by the Council with defined outcome measures.

This study was conducted at RRI (H), Puri. Both males and females in the age group of 15 to 60 years with the presence of signs and symptoms of acute ADL were included in the study population. The study had two parallel arms. One arm as per the randomization group received the Homoeopathic intervention from the pre-defined Homoeopathic medicines as per the principles of Homoeopathy. The other arm received the conventional treatment as per the requirement of the case by the allopathic consultant. The Primary end point of the study was the clinical improvement in acute ADL attack as evident from the ADL scoring scale. The target assigned was 112 cases. Total 143 cases were screened, 112 cases were enrolled in the study since its inception in October 2012 till March 2014. During the period April 2013 – March 2014, total 92 cases were screened and 82 cases were enrolled in the study. Four cases were dropped out and one case was referred. 103 cases have completed the follow up and total 4 cases are under follow up. As far as the outcome of the study is concerned, total 56 cases have been found improved. The medicines prescribed most commonly were: *Rhus tox.*(22 cases), *Apis mel.*(22 cases) , *Pulsatilla*(8 cases); *Silicea*, *Arsenic album*, *Bryonia alba* and *Hepar sulph.* in one case each.

### 11. A single blind, open randomized, placebo-controlled trial of add-on homoeopathic therapy in patients of severe Leptospirosis on conventional care

A single blind, open randomized placebo controlled trial to assess the effectiveness of Individualized Homoeopathic medicine as add-on therapy in patients of severe leptospirosis on conventional care is being conducted at CHC, Diglipur, PHC, Tushnabad and G.B. Pant Hospital, Port Blair. Patients were enrolled as per the inclusion and exclusion criteria and are divided randomly into two groups: one group being Homoeopathy plus conventional care and other one being placebo plus conventional care. The duration of study is 1 year and 3 months (6 months for enrollment, 3 months for treatment-cum-follow up and 6 months for data analysis and manuscript preparation).

During 2013-14, 218 cases were screened out of which 175 were excluded as per inclusion/exclusion criteria of the protocol and 43 were enrolled which are under follow up. Out of 43 cases, 25 are under Homoeopathy plus conventional care group and 18 are under placebo plus conventional care group. The medicines prescribed were: *Arsenic alb.*30(n=8), *Belladonna*30(n=2), *Bryonia alba*30(n=4), *Gelsemium*30(n=1), *Lycopodium*30(n=1), *Nux vomica*6(n=1), *Nux vomica*30(n=2), *Phosphorus*30(n=2), *Pulsatilla*30(n=3), *Rhustox.*30(n=2) and *Sulphur*30(n=1). In 2 cases, medicine was changed twice as per requirement. The outcome of the study can only be arrived after its completion and data analysis.

## B. NEW STUDIES INITIATED

### 1. Management of Polycystic Ovarian Syndrome with homoeopathic intervention versus placebo - a randomized controlled pilot study

Management of polycystic ovarian syndrome with homoeopathic intervention versus placebo - a randomized controlled pilot study has been initiated in February 2014 and is being conducted at CRI (H), NOIDA and DSU

Ext. Unit, Hyderabad. Primary Objective is to determine the feasibility of the study to evaluate the efficacy of homeopathic intervention as compared with placebo in polycystic ovarian syndrome in establishing the menstrual regularity with either ultrasonological improvement of polycystic ovary or improvement in hirsutism/ acne. Females having polycystic ovarian syndrome between 18 years to 36 years of age and fulfilling the inclusion criteria are being enrolled in the study after obtaining written informed consent. Individualized homeopathic medicines in centesimal potencies are prescribed to be taken orally in the verum group and identical placebo in the control group. Lifestyle modification is advised in both the groups. So far 50 patients have been screened and 18 enrolled for the study.

## 2. A multi-centric single blind randomized placebo controlled trial to evaluate the efficacy of individualized homeopathic intervention in Breast Fibroadenoma

A multi-centric single blind randomized placebo controlled study to evaluate the efficacy of individualized homeopathic intervention in Breast Fibroadenoma has been initiated in January 2014 at four institutes of the Council namely; CRI (H), Noida; RRI (H), Navi Mumbai; DACRRI (H), Kolkata and RRI (H), Puri. The primary objective of the study is to evaluate the efficacy of homeopathic medicines in reduction of size or resolution of breast fibroadenoma through sonomammographic assessment. Female patients between 18-35 years with breast fibroadenoma fulfilling the inclusion criteria are enrolled after taking written informed consent. Since inception, a total of 64 cases have been screened and 10 enrolled. All enrolled cases after case taking and examination are prescribed either the individualized homeopathic medicine in centesimal potencies in required doses in the verum group or the identical placebo in the placebo group as per randomization. The duration of intervention and follow-up is 6 months. Patients are followed up and assessed monthly or as and when required. After completion of the study, the data shall be analyzed with the help of statistical package.

## C. CONCLUDED STUDIES:

### 1. Randomized double blind placebo controlled multicentric trial on the effects of homeopathic medicines on chronic Rhinosinusitis

A randomized double blind placebo controlled multi-centric study to evaluate the efficacy of homeopathic medicines in chronic rhino-sinusitis was conducted at four institutes of the Council viz. CRI (H), Noida; RRI (H), Kolkata; RRI (H), Jaipur and RRI (H), Shimla from June 2012 to December 2013. Total 322 patients suffering from chronic rhinosinusitis (with or without nasal polyps) were screened and 121 cases who fulfilled the inclusion criteria were enrolled after obtaining the written informed consent. The changes in Total Symptom Score (TSS) and Sino Nasal Outcome Test-22 (SNOT-22) score in 6 months were the objectives of the study. After enrollment patients were prescribed either medicine in LM potency or identical placebo as per randomization table. The treatment period was of 3 months for intervention and 3 months for observation and the patients were assessed for TSS, SNOT-22, CT-scan of sinuses (Lund and Mackay staging), nasal rhinoscopy (Lund and Kennedy categorization) and inflammatory markers (Absolute Eosinophil Count).

Out of 121 enrolled cases, 14 were dropped-out, 1 was referred and 106 patients had completed 6 months follow-up. The data verification is under process. After statistical analysis of the data, the un-blinding will be done and results will be published.

### 2. A multi centre randomized double blind placebo controlled clinical trial of pre-defined Homeopathic medicines in Cervical Spondylosis pain management

Cervical Spondylosis is a degenerative disease associated with ageing and also occupation. The growing

geriatric population and sedentary occupation, increases the incidence of Cervical Spondylosis. To validate the role of Homoeopathic medicines in Cervical Spondylosis pain management, the study "A multi centre randomized double blind placebo controlled clinical trial of pre-defined Homoeopathic medicines in Cervical Spondylosis pain management" was undertaken by the Council. Out of 498 screened cases, 134 cases were enrolled in the study comprising of 66 cases in Homoeopathy group and 68 cases in Placebo group. During the period April, 2013 – March 2014, thirty nine (39) cases were screened and thirteen (13) cases were enrolled in the study. Follow up of each patient was done on 3<sup>rd</sup> day and 8<sup>th</sup> day of the study. On Visual Analogue Scale (VAS), in Homoeopathy Group (n=66), there was significant reduction in Score for Pain after 3<sup>rd</sup> day and 8<sup>th</sup> day follow up. On PGIC scale, in Homoeopathy Group (n=66), 12(18.2%) cases were moderately better, 20(30.3%) cases better and 16(24.2%) a great deal better. Medicines which were most commonly used were: *Rhus tox.* (n=19; 28.8%), *Calcarea carb.* (n=7; 10.6%), *Kalmia* (n=7; 10.6%) and *Paris quadrifolia* (n=7; 10.6%).

#### D. NEW STUDIES APPROVED

The following studies have been approved by the Special Committee for Clinical Research, Ethical Committee and Scientific Advisory Committee of the Council. Administrative approval for outsourcing the investigations and engagement of consultants (where required) is pending. However, for initial sensitization of the investigators screening of the cases has been initiated under these projects. The studies are proposed to be initiated in 2014-15.

1. Effects of homoeopathic intervention in stage-I Essential Hypertensive patients: a randomized double blind, placebo controlled trial.
2. A comparative randomised controlled trial of Homoeopathy & Allopathy in Acute Otitis Media in Children.
3. Effects of Homoeopathic intervention in Pre-diabetes (EHIP): An open label randomized controlled exploratory trial.
4. An open label randomized controlled exploratory trial for effects of individualized homoeopathic intervention in Dyslipidemia.
5. Efficacy of homoeopathic treatment in subclinical hypothyroidism in school going children: a randomized double blind placebo controlled parallel arm trial.
6. Effect of Adjuvant Homoeopathy in the treatment of Multi-Drug Resistant Pulmonary Tuberculosis: a randomized double blind placebo controlled clinical trial.
7. An open label (pre and post- homoeopathic intervention) study to evaluate efficacy of homoeopathic treatment of Non-erosive gastro esophageal reflux diseases.
8. Individualized Homoeopathic intervention in Diabetic Foot Ulcer: a randomised controlled pilot study using *Calendula Q* vs normal saline for ulcer dressing.
9. Randomized Double Blind Placebo Controlled Trial to evaluate the efficacy of homoeopathic treatment in HIV Infection (Pre-ART)- a multi centre study (Ethical approval pending)

**E. INTERNAL & EXTERNAL REVIEW :****Table 2.1**

Sl. No.	Short Study Title	Institute/Unit	Place	Date for Internal review	Date for External review	Name of experts who reviewed
1.	<b>Urolithiasis</b>	<ul style="list-style-type: none"> <li>• RRI(H), New Shimla</li> <li>• RRI (H), Jaipur</li> <li>• HDRI, Lucknow</li> <li>• CRI (H), Noida</li> <li>• CRU (T), Siliguri</li> <li>• Extn. Centre of RRI(H) Puri at Bhubaneswar</li> <li>• DACRRI (H), Kolkata</li> </ul>	CCRH Headquarters	03.02.14 to 06.02.14	13.02.14	1. Dr. N.K. Mohanty, Former HOD, Urology Safdarjung Hospital, New Delhi 2. Dr. Girish Gupta, Gaurang Clinic & Centre for Homoeopathic Research, Lucknow, Uttar Pradesh 3. Dr. R.M. Pandey, Professor & HOD, AIIMS, New Delhi 4. Dr. Abha Agarwal, Scientist F, Department of Bio-statistics, ICMR, New Delhi

**F. SIT MONITORING :****Table 2.2**

Sl. No.	Short Study Title	Institute/Unit	Date (s)
1.	Rheumatology OPD- Clinical Audit	CCRH headquarters	6 <sup>th</sup> March, 2013
2.	Training program	Central Research Institute (H), Noida	4 <sup>th</sup> – 6 <sup>th</sup> July, 2013
3.	Menopause	Regional Research Institute (H), Puri	6 <sup>th</sup> September, 2013
4.	Lymphatic Filariasis	Regional Research Institute (H), Puri	7 <sup>th</sup> September, 2013
5.	Chronic rhinosinusitis	Central Research Institute (H), Noida	13 <sup>th</sup> November, 2013
	Urolithiasis		
6.	Leptospirosis	Clinical Research Unit (H), Portblair	16 <sup>th</sup> to 19 <sup>th</sup> February, 2014
7.	Breast cancer	Regional Research Institute (H), Kolkata	11 <sup>th</sup> to 12 <sup>th</sup> March, 2014

## EPIDEMIC CELL

In 2013-14, Council developed a strategic plan for management of epidemic conditions through Homoeopathy. In contrast to previous years, instead of organizing epidemic camps for distribution of Genus epidemicus, Council developed specific strategies for dealing with epidemic diseases. As a first point of action, Dengue and Chikungunya epidemics were taken into consideration. Accordingly 'Guidelines for homoeopathic practitioners for management of dengue' was developed and uploaded on the website of the Council. The research centres were requested to submit data of Dengue cases attending the research OPDs. Scientists from RRI (H), Puri, visited local hospitals for detailed case taking of dengue patients. Data of fever cases was compiled from the institutes and units of the Council. On the basis of the data analyses and expert meetings and feedback, Council developed a 'Human Epidemic Management Plan' with specific consideration of dengue epidemic.

A protocol for identification and validation of Genus epidemicus for dengue was developed and approved by the Scientific Advisory Committee of the Council.

In the first phase, Council conducted a meeting with Directorate of ISM & H, Delhi on 25<sup>th</sup> March 2014 for implementation of the plan of action for prevention and treatment of dengue epidemic.

## CLINICAL VERIFICATION

Homoeopathic Materia Medica contains signs and symptoms produced during proving of the drugs on healthy human volunteers, toxic effects as observed during accidental poisoning or prolonged use of the drugs and clinical symptoms observed when used therapeutically. Thus, the symptomatic data need to be clinically verified when prescribed in the clinical settings.

The Council has undertaken the clinical verification programme to clinically verify pathogenetic effects (symptoms) of 85 drugs, including those proved by the Council. Studies on these drugs have already been concluded and out of these, data of 52 drugs have been published in the form of a Materia Medica titled 'Study of Homoeopathic Medicines through Clinical Verification – A new perspective' in two volumes. The preparation of a Materia Medica on remaining drugs is in progress.

The study of 23 drugs, proved by the Council, continued at the centers mentioned below:

1. Central Research Institute (H), Noida
2. Homoeopathic Drug Research Institute (H), Lucknow
3. Regional Research Institute (H), Shimla
4. Regional Research Institute (H), Gudivada
5. Regional Research Institute (H), Puri
6. Regional Research Institute (H), Imphal
7. Dr. Anjali Chatterjee Regional Research Institute (H), Kolkata
8. Clinical Verification Unit (H), Patna
9. Clinical Research Unit (H), Port Blair
10. Clinical Research Unit (T), Shillong
11. Clinical Research Unit (H), Agartala
12. Clinical Research Unit (H), Dimapur
13. Clinical Research Unit (H), Aizwal
14. Regional Research Institute (H), Guwahati
15. Clinical Research Unit, Chennai

The primary objective of the study is to verify the proving symptoms of 23 drugs (Drug proving conducted by the Council) and the secondary objective is to ascertain the clinical symptoms, if found, in response to these respective drugs. 'Materia Medica' and 'Repertory' on these drugs have been compiled for the use of the investigators in the clinical OPDs. The study on new 16 drugs will be commenced in April 2014.

Out of these 23 drugs, the data on 17 drugs have been collected by December 2013. Study on remaining 6 drugs is ongoing until the target is achieved.

The following are the 6 old drugs on which study is ongoing:

- *Chelone glabra*
- *Clerodendron infortunatum*
- *Coleus aromaticus*
- *Cornus circinata*
- *Cuprum oxydatum nigrum*
- *Thyroidinum*

During the reporting year, a total number of **2051** patients were enrolled, to clinically verify the symptoms of the assigned 23 drugs. The center wise enrollment of study subjects and also the drug wise data obtained from the study centers is tabulated below:

**Table 3.1 Centre wise enrollment status**

Sl. No.	Unit / Institute	No. of Patients Screened	No. of Patients Enrolled for Clinical Verification
1.	Central Research Institute (H), Noida	389	389
2.	Homeopathic Drug Research Institute (H), Lucknow	70	70
3.	Dr. Anjali Chatterjee Regional Research Institute for Homoeopathy, Kolkata	121	121
4.	Regional Research Institute (H), Gudivada	190	188
5.	Regional Research Institute (H), Puri	79	63
6.	Clinical Verification Unit (H), Patna	168	168
7.	Clinical Research Unit (H), Port Blair	398	103
8.	Regional Research Institute (H), Imphal	202	162
9.	Regional Research Institute (H), Shimla	898	246
10.	Clinical Research Unit (T), Shillong	208	120
11.	Clinical Research Unit (H), Aizwal	105	68
12.	Clinical Research Unit (T), Agartala	372	248
13.	Clinical Research Unit (T), Dimapur	98	37
14.	Regional Research Institute (H), Guwahati	67	57
15.	Clinical Research Unit (H), Chennai	11	11
	<b>Total</b>	<b>3376</b>	<b>2051</b>

Table 3.2 Drug wise enrollment with the clinical conditions verified

Sl. No.	Name of Medicines	No. of patients enrolled during the reporting period (April 2013 to March 2014)	
		No. of Cases studied	Characteristic symptoms and clinical conditions verified (as per the individual case record, enrolled under the respective medicines)
1.	<i>Agave americana</i>	77	<ul style="list-style-type: none"> <li>• <b>Vertigo &lt; morning, rising from bed, sensation as if body moving upward and downward.</b></li> <li>• <b>Forgetfulness, forgets recent incidents.</b></li> </ul> Dermatitis, Stomatitis, Vertigo, Headache, Tonsillitis, Colic, Spondylosis.
2.	<i>Andrographis paniculata</i>	65	<ul style="list-style-type: none"> <li>• <b>Sticky stool although soft, difficult to evacuate with burning in anus before and after stool.</b></li> <li>• <b>Right sided headache at 7 pm with pricking sensation, &lt; touching of hair.</b></li> <li>• <b>Throat pain after exposure to cold wind.</b></li> <li>• <b>Aching pain right shoulder joint &lt; motion, touch &gt; warm application.</b></li> </ul> Allergic rhinitis, Gastritis, Frozen shoulder, Metrorrhagia, Pharyngitis, Headache, Piles, Conjunctivitis.
3.	<i>Argemone mexicana</i>	76	<ul style="list-style-type: none"> <li>• <b>Vertigo before going to sleep.</b></li> <li>• <b>Falling of hair &lt; combing and bathing.</b></li> <li>• <b>Itching and redness in eyes with burning pain &lt; heat of sun &gt; washing with cold water.</b></li> <li>• <b>Acidity with burning sensation in chest &lt; drinking cold water.</b></li> </ul> Fever, Pharyngitis, Alopecia, Allergic dermatitis, Sinusitis, Gastritis, Insomnia, Urticaria, Conjunctivitis, Constipation, Herpetic eruptions, Eczema, Vertigo.
4.	<i>Bacopa monnieri</i>	47	<ul style="list-style-type: none"> <li>• <b>Menses painful followed by copious, clotted, black flow.</b></li> <li>• <b>Headache with heaviness of head &lt; movement &gt; cold application, pressure.</b></li> <li>• <b>Burning pain in anus &lt; cold application.</b></li> </ul> Conjunctivitis, Gastritis, Urticaria, URTI, Headache, Dysmenorrhoea, Dermatitis, Anal fissure.
5.	<i>Chelone glabra</i>	159	<ul style="list-style-type: none"> <li>• <b>Heaviness of whole head &lt; by movement &gt; after lying down.</b></li> <li>• <b>Coryza with frequent sneezing, starts with watery discharge from nose, becomes thick and mucoid later.</b></li> <li>• <b>Maculo papular rash over whole body especially legs and arms without itching or burning.</b></li> </ul> Worm infection, Sinusitis, Constipation, Cervical spondylosis, Rhinitis, Gastritis, Headache, Torticollis.

Sl. No.	Name of Medicines	No. of patients enrolled during the reporting period (April 2013 to March 2014)	
		No. of Cases studied	Characteristic symptoms and clinical conditions verified (as per the individual case record, enrolled under the respective medicines)
6.	<b>Clerodendron infortunatum</b>	85	<ul style="list-style-type: none"> <li>• <b>Constipation, scanty stool with burning in anus before and after stool.</b></li> <li>• <b>Disturbed sleep especially in morning before awakening.</b></li> <li>• <b>Stoppage of right ear.</b></li> </ul> Ear block, Constipation, Worm infection, Gastritis, Diarrhoea, Headache, Insomnia, Dyspepsia.
7.	<b>Coleus aromaticus</b>	149	<ul style="list-style-type: none"> <li>• <b>Burning of both eyes and lacrymation &gt; cold water application.</b></li> <li>• <b>Headache especially in left parietal region &gt; pressure.</b></li> <li>• <b>Gripping pain and tenesmus in abdomen &lt; at night.</b></li> <li>• <b>Burning urination &lt; before and after urination.</b></li> <li>• <b>urine passes day and night.</b></li> </ul> Conjunctivitis, Haemorrhoids, Dysentery, Constipation, Dysmenorrhoea, Gastritis, Cough, Eye Infection, Urticaria, UTI, IBS.
8.	<b>Cornus circinata</b>	136	<ul style="list-style-type: none"> <li>• <b>Sneezing with bloody discharge from nose.</b></li> <li>• <b>Aversion to do any work.</b></li> <li>• <b>Dull aching pain all over the body with laziness.</b></li> <li>• <b>Gripping pain in lower abdomen followed by loose stool mixed with mucus.</b></li> </ul> Gastritis, Headache, Dysentery, Abdominal colic, Anorexia, Tonsillitis, Fever, Rhinitis, Epistaxis, Myalgia.
9.	<b>Cuprum oxydatum nigrum</b>	130	<ul style="list-style-type: none"> <li>• <b>Urticarial eruptions on covered parts of body with itching and scratching &gt; uncovering.</b></li> <li>• <b>Papular eruption on scrotum with itching &lt; night.</b></li> <li>• <b>Eructation and water brash from mouth &lt; morning, with nausea and vomiting.</b></li> </ul> Dermatitis, Urticaria, Roundworm infestation, Eczema.
10.	<b>Ficus religiosa</b>	152	<ul style="list-style-type: none"> <li>• <b>Ulceration inside mouth with salivation &lt; touch, swallowing.</b></li> <li>• <b>Pain in frontal region with nausea &lt; eating &gt; pressure.</b></li> <li>• <b>Stool large, dry and burning sensation in anus after passing stool &gt; cold application.</b></li> </ul> Constipation, Gastritis, Bleeding piles, Leucorrhoea, Headache, Migraine, Dyspepsia, Vertigo, URTI, Haemorrhoids, Aphthous ulcer.
11.	<b>Formic acid</b>	39	<ul style="list-style-type: none"> <li>• <b>Heaviness in abdomen &lt;motion, afternoon&gt; lying down.</b></li> <li>• <b>Mental irritability from trifle ailments.</b></li> <li>• <b>Nocturnal seminal emissions without dreams followed by weakness.</b></li> </ul> Arthritis, Gout, Polyps, Nephritis, Spermatorrhoea.

Sl. No.	Name of Medicines	No. of patients enrolled during the reporting period (April 2013 to March 2014)	
		No. of Cases studied	Characteristic symptoms and clinical conditions verified (as per the individual case record, enrolled under the respective medicines)
12.	<i>Hydrocotyle asiatica</i>	31	<ul style="list-style-type: none"> <li>• <b>Dryness in throat with burning in pharynx &gt; cold drinks.</b></li> <li>• <b>Dull aching pain in umbilical region &lt; warm application, night.</b></li> <li>• <b>Dry cough with constriction in chest &lt; night &gt; drinking cold water.</b></li> <li>• <b>Pain in back &lt; bending forward, sitting erect &gt; lying on side.</b></li> </ul> <p>Constipation, Leucorrhoea, Acute rhinitis, Stomatitis, Gout, Cough, Arthritis, Chronic eczema, Pharyngitis, Indigestion, Vertigo, Dysuria, Abdominal colic.</p>
13.	<i>Juglans regia</i>	42	<ul style="list-style-type: none"> <li>• <b>Aversion to food, desire for salty things.</b></li> <li>• <b>Frequent watery stool-greenish colour.</b></li> <li>• <b>Flushes of heat all over body with sweating over head, neck, upper part of chest.</b></li> <li>• <b>Red pimples on face with pus discharge.</b></li> </ul> <p>Acne, Bodyache, Fever, Insomnia, Eczema, Melasma, Coryza.</p>
14.	<i>Liatris spicata</i>	23	<ul style="list-style-type: none"> <li>• <b>Heaviness of forehead &gt; open air, rubbing &lt; reading while.</b></li> <li>• <b>Menses painful, blood dark red and scanty.</b></li> <li>• <b>Loose yellowish stool, passes with loud noise &lt; night.</b></li> </ul> <p>Dysmenorrhoea, Diarrhoea, Ulcers, PID, Headache, Flatulence, Gastritis, Leucorrhoea.</p>
15.	<i>Mimosa humalis</i>	138	<ul style="list-style-type: none"> <li>• <b>Fever before and during menses.</b></li> <li>• <b>Burning pain in urethra during and after urination, frequent urination.</b></li> <li>• <b>Pain in both knee joints &lt; exertion &gt; rest, warm application.</b></li> </ul> <p>Constipation, Dermatitis, Coryza, Arthritis, Backache, Rheumatic pain, Urethritis, Neuritis, UTI.</p>
16.	<i>Ocimum sanctum</i>	66	<ul style="list-style-type: none"> <li>• <b>Concentration difficult, mood changeable.</b></li> <li>• <b>Soreness feeling of throat &lt; while eating, after tea drinking.</b></li> <li>• <b>Aphthae in mouth and on tongue with burning pain &lt; eating while.</b></li> <li>• <b>Leucorrhoea white, thick, bland discharge.</b></li> </ul> <p>Cough, Urticaria, Aphthae, Dyspepsia, Acne, Leucorrhoea, Alopecia, Fever.</p>

Sl. No.	Name of Medicines	No. of patients enrolled during the reporting period (April 2013 to March 2014)	
		No. of Cases studied	Characteristic symptoms and clinical conditions verified (as per the individual case record, enrolled under the respective medicines)
17.	<b>Paraffin</b>	31	<ul style="list-style-type: none"> <li>• <b>Pain with redness and agglutination of eyes &gt; washing with warm water.</b></li> <li>• <b>Severe constipation, great straining but no stool passes.</b></li> <li>• <b>Sour eructation, nausea and vomiting &lt; after eating &gt; drinking lime water.</b></li> </ul> Constipation, Leucorrhoea, Menorrhagia, Fever, Indigestion, Bodyache, Vertigo, Gastritis, Conjunctivitis.
18.	<b>Pothos foetidus</b>	52	<ul style="list-style-type: none"> <li>• <b>Rumbling in abdomen with flatulence and loose stool.</b></li> <li>• <b>Acrid nasal discharge with sneezing &lt; noon.</b></li> <li>• <b>Colicky pain around umbilicus with frequent stool.</b></li> <li>• <b>Red skin eruption on the right dorsum of foot with itching and burning &gt; after application of water.</b></li> </ul> Stomatitis, Constipation, Cough, Urticaria, Fever, Headache, Asthma, UTI, Psoriasis, Acne, Nasopharyngitis, Pharyngitis, Dermatitis, Gastritis, Allergic rhinitis.
19.	<b>Senega</b>	124	<ul style="list-style-type: none"> <li>• <b>Ineffectual urging and straining for stool, unsatisfactory, clay colored stool.</b></li> <li>• <b>Thin watery nasal discharge &lt; morning, frequent sneezing &lt; night.</b></li> <li>• <b>Bursting pain in the left side of head &lt; evening &gt; pressure.</b></li> </ul> Dyspnoea, Allergies, Arthritis, Fever, URTI, Coryza, Allergic bronchitis, Migraine, Gastritis, Bronchitis.
20.	<b>Skookum chuck</b>	55	<ul style="list-style-type: none"> <li>• <b>Dry papular eruptions all over body, dorsum of hand, palms, back of hands, itching &lt; sweating.</b></li> <li>• <b>Acidity, indigestion with vomiting tendency, vomits out undigested food.</b></li> <li>• <b>Vertigo with tendency to fall.</b></li> <li>• <b>Greenish nasal discharge &lt; warm weather.</b></li> </ul> Acid Peptic Disorder, Dermatitis, Dysmenorrhoea, Dyspepsia, Gastritis, Vertigo, Rheumatic pain, adenoma, Eczema, Urticaria, Allergies.
21.	<b>Tinospora cordifolia</b>	51	<ul style="list-style-type: none"> <li>• <b>Throbbing pain in forehead &gt; by rubbing.</b></li> <li>• <b>Stool hard, large, offensive, covered with mucus.</b></li> <li>• <b>Gripping pain in abdomen around umbilicus &lt; after meals.</b></li> <li>• <b>Burning in urethra during and after urination.</b></li> </ul> Gastritis, Dyspepsia, Urethritis, Hyperacidity, Anorexia, Chronic amoebiasis, UTI, Fever.

Sl. No.	Name of Medicines	No. of patients enrolled during the reporting period (April 2013 to March 2014)	
		No. of Cases studied	Characteristic symptoms and clinical conditions verified (as per the individual case record, enrolled under the respective medicines)
22.	<i>Thymol</i>	150	<ul style="list-style-type: none"> <li>• <b>Aching pain in frontal region of head &lt; standing, &gt; by cold application.</b></li> <li>• <b>Blockage of alternate nostrils during day and night, sneezing &lt; after bath.</b></li> <li>• <b>Heaviness in abdomen with gurgling, weakness, with loose yellowish stool &lt; after passing stool.</b></li> </ul> Rheumatic pain, Sinusitis, Headache, Fever, Rhinitis, Diarrhoea, Vertigo, Leg cramps.
23.	<i>Thyroidinum</i>	173	<ul style="list-style-type: none"> <li>• <b>Vertigo in morning with sensation of falling backward &lt; looking down &gt; taking rest.</b></li> <li>• <b>Pain in right hip extending up to foot &lt; motion &gt; rest.</b></li> <li>• <b>Shifting pain in left side of body especially in left upper limb to right upper limb.</b></li> </ul> Dysmenorrhoea, Oligomenorrhoea, Amenorrhoea, Obesity, PCOD, Rheumatic pain, Arthritis, Vertigo, Headache, Gastritis, Sciatica, Piles, Backache, Goitre, Hyperthyroidism, Hypothyroidism

## PUBLICATIONS WHICH HAVE BEEN COMPLETED IN 2013-14 AND UNDER REVIEW OF EXPERTS-

### Books

- A Materia Medica and Repertory on 16 drugs assigned for 2014-15 is compiled. Each individual symptom obtained during drug proving has been converted into rubrics by the homoeopathic experts and scientists.
- Clinical Verification Materia Medica, volume-III, has been completed. In this volume, 20 drugs have been discussed, for which study was continued from 2005-2010 under the Council.

### Article

- An article has been drafted on the drug '**Ricinus communis-A Clinical Verification Study**' and is submitted for publication.

## MEETINGS CONVENED ON CLINICAL VERIFICATION

Meeting of Expert Committee to finalize a draft Materia Medica (Volume III) on the clinically verified medicines under the Council was convened on 15<sup>th</sup> & 16<sup>th</sup> January 2014 and a final meeting on 19<sup>th</sup> & 20<sup>th</sup> March 2014 in which the draft has been approved by members of Expert Committee.

## HOMOEOPATHIC PATHOGENETIC TRIAL (DRUG PROVING)

The foundation of drug proving is based on the action of drug substances on the living healthy human beings and eliciting the symptoms of the drug as compared to the gross toxicological symptoms evident from animal studies. These subjective and objective symptoms form the profile of the drug recorded in the Homoeopathic Materia Medica. Drug proving is similar, but not identical to Phase 1 trials conducted in Allopathy. The latter also involves testing of the drug substance on healthy human volunteers. Phase I trial is designed primarily to reduce the risk of serious (drug) toxicity and avoid confounding pharmacologic and adverse effects, and also to assess pharmacokinetics, whereas in homoeopathic pathogenetic trials, sub-material or ultra molecular doses of drugs (toxic as well as non-toxic) are used homoeopathic pathogenetic trials on healthy human beings to produce symptoms and so generate new indications for clinical use of the homoeopathic medicine. The Drug Proving Protocol is based on double blind technique, taking positive leads from protocols followed by different international homoeopathic organizations. The protocol of the Council is approved by Scientific Advisory Committee and Ethical Committee of the Council. The main objective of Homoeopathic Drug Proving is to elicit the pathogenetic response of a drug on apparently healthy human volunteers in homoeopathic potencies.

Drug proving or Homoeopathic Pathogenetic Trial (HPT) is one of the important activities of the Council. The Council has undertaken it as a continuing research programme since its inception. Drug Proving is a double blind, randomized, multicentric study and was conducted at following seven centers of the Council:

1. Central Research Institute (H), Noida
2. Central Research Institute (H), Kottayam
3. Homoeopathic Drug Research Institute (H), Lucknow
4. Dr. Anjali Chatterjee Regional Research Institute (H), Kolkata
5. Regional Research Institute (H), Gudivada
6. Regional Research Institute (H), Navi Mumbai
7. Extension Unit of Regional Research Institute (H), Puri at Dr. A. C. Homoeopathic Medical College & Hospital, Bhubaneswar.

The emphasis is laid on proving of drugs of indigenous origin and fragmentarily proved drugs whose standardization studies (Physico-chemical and Pharmacognostic parameters) have been completed.

**Table 4.1 The proving of the following five drugs in 6C & 30C potencies has been completed during the year 2013-14:**

Sl. No.	Drug Name	Name of the Centre	Important symptoms observed (number of provers in bracket)	Possible use in Clinical condition
1.	<b>Acorus calamus</b>	1. HDRI (H), Lucknow 2. CRI (H), Noida 3. CRI (H), Kottayam	<ul style="list-style-type: none"> <li>• Occipital headache with heaviness and hammering sensation, <i>agg.</i> on speaking, noise. Pain settles in right eye; <i>amel.</i> on lying down &amp; sitting in sunlight. (3)</li> <li>• Heaviness in frontal region with pain in whole head and hammering like sensation, dislikes any kind of loud noise, <i>amel.</i> by taking complete rest. (3)</li> <li>• Pain in head, more in occipital region, extends to vertex and settles in both eyes, <i>agg.</i> motion; <i>amel.</i> pressure. (2)</li> <li>• Throbbing pain in frontal region of head, <i>agg.</i> least noise; <i>amel.</i> after sleep. (2)</li> <li>• Congestion in head, <i>amel.</i> by stooping.</li> <li>• Stitching pain in both temporal regions, <i>agg.</i> by motion, <i>amel.</i> after taking rest, lying down and hard pressure. (6)</li> <li>• Burning sensation in eyes</li> <li>• Pain in right eye and in right frontal region of head, <i>amel.</i> by hard pressure. (2)</li> <li>• Lightening like pain in right ear, extends to neck, <i>amel.</i> after sleep. (3)</li> <li>• Coryza with watery nasal discharge accompanied with congestion in head, burning sensation in eyes with fever. (2)</li> <li>• Blockage of both nostrils on getting up in the morning with thick, yellow nasal discharge. (2)</li> <li>• Dryness of lips and mouth. (3)</li> <li>• Profuse salivation from mouth with nausea, better after taking dinner.</li> <li>• Pricking pain in right side of throat, worse on swallowing sputum. Pain worse on speaking. White thick ropy phlegm from the throat. (3)</li> </ul>	<ul style="list-style-type: none"> <li>• Migraine</li> <li>• Coryza</li> <li>• Pharyngitis</li> <li>• Cough</li> <li>• Constipation</li> </ul>

Sl. No.	Drug Name	Name of the Centre	Important symptoms observed (number of provers in bracket)	Possible use in Clinical condition
			<ul style="list-style-type: none"> <li>• Pain in neck with constriction feeling in throat (2)</li> <li>• Gripping pain in abdomen; <i>agg.</i> after taking meals; <i>amel.</i> after stool; stool semisolid. (2)</li> <li>• Constipation, unsatisfactory hard stool, had to strain but no stool passes. (2)</li> <li>• Breathlessness with dry cough. (1)</li> <li>• Cough with sputum and blockage of nose (2)</li> <li>• Pain in back of neck and right shoulder radiates to right hand. (2)</li> <li>• Lightning like pain in right thigh. (1)</li> <li>• Vesicular eruptions with itching and burning, <i>amel.</i> on rubbing. (1)</li> <li>• Bruised pain in whole body with weakness. (2)</li> </ul>	
2.	<b><i>Leucas aspera</i></b>	<ol style="list-style-type: none"> <li>1. DACRRI (H), Kolkata</li> <li>2. DPU, Bhubaneswar, Extension Research Centre (H), Bhubaneswar</li> <li>3. CRI (H), Noida</li> </ol>	<ul style="list-style-type: none"> <li>• Vertigo with light feeling in head (2)</li> <li>• Dull, aching pain in frontal and temporal region of head with heaviness of head and eyes, <i>agg.</i> cold air; <i>amel.</i> in warmth and after sleep. (5)</li> <li>• Sneezing, <i>agg.</i> morning, evening. (2)</li> <li>• Fluent excoriating watery nasal discharge; coryza accompanied with right sided headache. (2)</li> <li>• Tickling sensation with sore throat, <i>agg.</i> evening, empty swallowing (2)</li> <li>• Throat pain while eating with dry cough, nausea and headache. (2)</li> <li>• Dry cough with wheezing in chest and breathlessness, <i>agg.</i> at night. (2)</li> <li>• Non-itching eruptions between the fingers of both hands. (1)</li> <li>• Sprain like pain in left ankle. (1)</li> <li>• Pain in both extremities and more in right popliteal fossa. (3)</li> <li>• Wart like eruption on right shoulder. (1)</li> <li>• Itching on whole body without eruptions. (2)</li> <li>• Fever with cold and cough. (3)</li> </ul>	<ul style="list-style-type: none"> <li>• Vertigo</li> <li>• Headache</li> <li>• Coryza</li> <li>• Cough</li> <li>• Sore throat</li> </ul>

Sl. No.	Drug Name	Name of the Centre	Important symptoms observed (number of provers in bracket)	Possible use in Clinical condition
3.	<b><i>Datura arborea</i></b>	1. DPU, Bhubaneswar, Ext. Unit of RRI (H), Puri 2. HDRI (H), Lucknow 3. DACRRI (H), Kolkata 4. CRI (H), Noida	<ul style="list-style-type: none"> <li>• Sensitiveness to noise. (1)</li> <li>• Bursting pain in head <i>agg.</i> touch; <i>amel.</i> binding. Pain extends from vertex to nape of neck. (2)</li> <li>• Lancinating pain with heaviness in right frontal region extends to right eye and right side of occiput <i>agg.</i> by noise, light; <i>amel.</i> lying down with closed eyes and pressure. (1)</li> <li>• Itching eruptions on scalp.</li> <li>• Watery, nasal discharge with stoppage of alternate nostrils, <i>agg.</i> cold water, cold air; <i>amel.</i> in heat, warmth of bed and drinking tea. (2)</li> <li>• Aphthous ulcers inside the lower lip and whole mouth, tongue with dryness and red tip of tongue, pain worse on eating, swallowing hot drinks, <i>amel.</i> cold water. (2)</li> <li>• Stitching pain in left side of throat, <i>agg.</i> on swallowing; <i>amel.</i> taking lukewarm water. (1)</li> <li>• All gone sensation in abdomen in early morning, <i>amel.</i> after eating something. (1)</li> <li>• Loose yellow watery stool with undigested food particles; gurgling sound in abdomen (2)</li> <li>• Dry cough, <i>agg.</i> after cold drinks. (1)</li> <li>• Cramping pain in hands, <i>amel.</i> by pressure. (1)</li> <li>• Feverish with chill, body pain, hot breaths and burning sensation in eyes. (2)</li> </ul>	<ul style="list-style-type: none"> <li>• Headache</li> <li>• Aphthous ulcer</li> <li>• Cough</li> <li>• Diarrhoea</li> </ul>
4.	<b><i>Datura metel</i></b>	1. HDRI (H), Lucknow 2. RRI (H), Gudivada 3. DAC RRI (H), Kolkata 4. CRI (H), Noida	<ul style="list-style-type: none"> <li>• Feeling of irritation and anger, intolerant to be talked or touched, <i>agg.</i> any sound. (1)</li> <li>• Fear of ghost, dark; do not like to go out in night. It is accompanied with irritability, depression, moaning in night during sleep. (1)</li> <li>• Vertigo with nausea and uneasiness in the body. (1)</li> <li>• Stitching pain in forehead. (2)</li> <li>• Headache with sneezing, nausea and perspiration. (3)</li> </ul>	<ul style="list-style-type: none"> <li>• Nervousness</li> <li>• Coryza</li> <li>• Headache</li> <li>• Diarrhoea</li> <li>• Vertigo</li> <li>• Cough</li> </ul>

Sl. No.	Drug Name	Name of the Centre	Important symptoms observed (number of provers in bracket)	Possible use in Clinical condition
			<ul style="list-style-type: none"> <li>• Headache <i>amel.</i> after sleep. (1)</li> <li>• Drawing pain in forehead, occiput and nape of neck, <i>amel.</i> after sleep, morning. (3)</li> <li>• Severe hammering pain in right temporal region, <i>agg.</i> night, <i>amel.</i> open air, after sleep. Pain settles upon right eyebrow. (1)</li> <li>• Headache with nausea, <i>agg.</i> evening, night; <i>amel.</i> after sleep, after vomiting. (2)</li> <li>• Red small round painful rashes behind left ear, painful on touching. (1)</li> <li>• Sneezing with burning sensation in nose and eyes, <i>agg.</i> early morning; <i>amel.</i> warmth.</li> <li>• Pain in both nostrils, <i>agg.</i> touch, pressure. (5)</li> <li>• Coryza with sneezing and bland discharge, <i>agg.</i> in dust. (1)</li> <li>• Dryness of mouth with increased thirst. (2)</li> <li>• Distension of abdomen with flatulence, <i>amel.</i> after stool. (1)</li> <li>• Loose stools with rumbling, cramping pain in lower abdomen and burning sensation in the rectum after stool. (3)</li> <li>• Dry cough, <i>agg.</i> evening, at night, lying, taking sweets and bakery food, <i>amel.</i> after sitting up; accompanied with pain in chest. (2)</li> <li>• Dry cough with dryness of mouth, <i>amel.</i> taking warm milk, warm food. (1)</li> <li>• Bruised, sprain like pain in right wrist joint, <i>agg.</i> writing, motion, weight lift; <i>amel.</i> rest, warm application. (1)</li> <li>• Itching eruptions on fingers of right hand, <i>amel.</i> cold application. (2)</li> <li>• Copious cold sweat on both feet with tingling and heaviness, <i>agg.</i> exertion. (1)</li> </ul>	

Sl. No.	Drug Name	Name of the Centre	Important symptoms observed (number of provers in bracket)	Possible use in Clinical condition
			<ul style="list-style-type: none"> <li>• Itching eruptions on both upper and lower extremities. Burning sensation after scratching. (2)</li> <li>• Pustular eruptions on left leg with itching (1)</li> <li>• Fever with chills, coryza and body pains (3)</li> <li>• Eruptions with oozing of sticky discharge and pus, agg. scratching followed by burning sensation. (1)</li> </ul>	
5.	<b><i>Withania somnifera</i></b>	<ol style="list-style-type: none"> <li>1. HDRI (H), Lucknow</li> <li>2. Extension Research Centre (H), Bhubaneswar</li> <li>3. DACRRI (H), Kolkata</li> <li>4. CRI (H), Noida</li> </ol>	<ul style="list-style-type: none"> <li>• Bursting pain in forehead (2)</li> <li>• Severe pricking pain in left half of head. (1)</li> <li>• Vertigo with frontal headache and bursting pain in vertex of head and heaviness (3)</li> <li>• Occipital headache (1)</li> <li>• Itching and redness of left eye (1)</li> <li>• Coryza, watery discharge with sneezing, bodyache and lachrymation from right eye (2)</li> <li>• White spots on both sides of face with itching (1)</li> <li>• Aphthous ulcer with redness, burning and stinging pain (1)</li> <li>• Burning pain in tongue, agg. eating (1)</li> <li>• Choking sensation with pain in throat. (1)</li> <li>• Increased thirst (1)</li> <li>• Burning pain in stomach, agg. empty stomach (1)</li> <li>• Flatulence of whole abdomen with bloating. (1)</li> <li>• Loose, watery stool with pain in right hypochondrium (1)</li> <li>• Stool with passage of bright red blood and gripping pain in umbilical region (1)</li> <li>• Dry cough on waking up in morning with pain in throat on swallowing. (1)</li> <li>• Cough with yellow sputum. (1)</li> <li>• Pricking pain in left side of chest (1)</li> <li>• Aching pain in right shoulder and left elbow (1)</li> <li>• Stitching pain in lower extremities, difficulty to walk. Tearing pain from knee to ankle (1)</li> <li>• Sleepiness (1)</li> <li>• Itching reddish eruptions in medial aspect of right ankle (1)</li> </ul>	<ul style="list-style-type: none"> <li>• Vertigo</li> <li>• Headache</li> <li>• Coryza</li> <li>• Aphthous ulcers</li> <li>• Diarrhoea</li> <li>• Cough</li> <li>• Dyspepsia</li> <li>• Gastritis</li> </ul>

Besides this, the data of following drugs have been received from all the centres and are under compilation:

1. *Apium graveolens*
2. *Cherianthes cheiri*
3. *Cochlearia armoracia*
4. *Cucurbita pepo*
5. *Damiana*
6. *Iberis amara*
7. *Brassica oleracea*

## PUBLICATIONS

### 1. Articles :

Articles on Drug Proving of the following drugs have been published in *Indian Journal of Research in Homoeopathy (IJRH)* during the year 2013-14.

#### 1.1. A multi-centric double-blind randomized homoeopathic pathogenetic trial of *Gymnema sylvestre*.

**Abstract: Objective:** To elicit the pathogenetic response of *Gymnema sylvestre* in homoeopathic potencies on apparently healthy human volunteers.

**Methodology:** *Gymnema sylvestre* was proved by the Central Council for Research in Homoeopathy through double-blind placebo-controlled method. The study was carried out at four centers. The drug was proved in two potencies (6C and 30C) on 63 apparently healthy volunteers who were selected after conducting pre-trial medical examination by the medical specialists and routine laboratory investigations. In the first phase, volunteers were given 56 doses (04 doses per day for 14 days) of placebo. In the next two phases 56 doses (04 doses per day for 14 days) of each potency or placebo were consumed. The symptoms generated during the trial period were noted by the volunteers and elaborated by the proving masters. The data obtained from all the four centers was compiled at proving-cum-data processing cell at CCRH headquarters after decoding.

**Results:** Out of 37 provers who were on actual drug trial, 16 manifested symptoms. The drug was able to produce symptoms in each potency in most of the parts of the body.

**Conclusion:** The pathogenetic responses elicited during the drug proving trial expands the scope of use of the drug *Gymnema sylvestre* and will benefit the research scholars and clinicians. The generated symptoms of the drug will carry more meaning when verified clinically.

**Clinical use:** Vertigo, headache, hair falling, coryza, toothache, bleeding gums, throat complaints, nausea, diarrhoea, cough, backache.

**Published in :** Indian Journal of Research in Homoeopathy; 2013; 7 (1) : 9-21.

## 1.2. A multi-centric double-blind homoeopathic pathogenetic trial of Cyclosporin.

**Abstract: Objective:** To elicit the pathogenetic response of the drug *Cyclosporin* in homoeopathic potencies on apparently healthy human beings.

**Material and Methods:** The drug *Cyclosporin* was proved by the Central Council for Research in Homoeopathy through double-blind placebo-controlled trial. The study was conducted at two centres. The drug was proved in two potencies (6C and 30C) on 50 apparently healthy volunteers who were selected after conducting pre-trial medical examinations by the medical specialists and routine laboratory investigations. In the first phase, the volunteers were given 56 doses (4 doses per day for 14 days) of placebo. In the next two phases, 56 doses (4 doses per day for 14 days) of each potency or placebo were consumed. The symptoms generated during the trial period were noted by the volunteers and elaborated by the proving masters. The data obtained from the two centers were compiled at proving-cum-data processing cell at Central Council for Research in Homoeopathy (CCRH) headquarters after decoding.

**Results:** Out of 50 provers, 33 were on actual drug trial and 17 were on placebo. Eleven provers manifested symptoms. The drug was able to produce symptoms in each potency in most parts of the body.

**Conclusion:** The pathogenetic response elicited during the proving trial expands the scope of use of the drug *Cyclosporin* and will benefit the research scholars and clinicians. These symptoms will carry more value when verified clinically.

**Clinical use:** Headache, coryza, pimples, cough.

**Published in :** Indian Journal of Research in Homoeopathy; 2013; 7 (3) : 109-115.

## 2. Books

### 2.1. Homoeopathic Drug Provings, Volume-5

*Drug Provings Volume-5* containing data of following 10 drugs proved by the Council has been published for the use of profession:

1. *Allium sativum*
2. *Avena sativa*
3. *Azathioprine*
4. *Cyclosporin*
5. *Foeniculum vulgare*
6. *Gymnema sylvestre*
7. *Hygrophila spinosa*
8. *Magnolia grandiflora*
9. *Persea americana*
10. *Psoralea corylifolia*

**2.2. Drug Monograph - 17, *Thea chinensis***

This monograph is complete in all the three aspects, i.e. Drug Standardisation, Drug Proving and Clinical Verification. After assuring the safety & toxicity of Drug through Drug Standardization process, the next step is to understand its pathogenetic powers by conducting Drug Proving. The Drug Proving was double-blind, placebo-controlled trial so that the bias in recording the symptom is minimized. The study carried out by the Council's scientists on this drug has yielded valuable information about the several conditions in which it is indicated.

**2.3. Drug Monograph - 18, *Cassia fistula***

This monograph contains compilation of Drug Standardisation, Drug Proving and Clinical Verification data. To ascertain the clinical use of the medicine, proving symptoms, toxicological data and animal experimentation were taken into consideration and the medicine was given to the patients having similar symptoms during Clinical Verification of the drug. The Drug Proving was double-blind, placebo-controlled trial so that the bias in recording the symptom is minimized. The study carried out by the Council's scientists on this drug has yielded valuable information about the several conditions in which it is indicated.

**2.4. Drug Monograph - 19, *Alfalfa***

This monograph provides a synoptic view of the information given in most of the homoeopathic literature available on *Alfalfa*, in addition to the findings of the Council. Under the Drug Proving section of the monograph, a comparison of the symptoms reflected in other *Materia Medicas* has been done with respect to the Council's findings. Further, a new chapter on repertorial index has been introduced which brings all the rubrics related to *Alfalfa* available in the homoeopathic literature under one umbrella.

## DRUG STANDARDISATION

Drug Standardisation ensures quality, safety and efficacy of a drug. It encompasses a number of parameters, which define the quality of homoeopathic drug and pharmaceutical uniformity. The studies were continued in the Central Research Institute (H), Noida and Drug Standardisation Unit (H), Hyderabad for pharmacognostic and physico-chemical evaluation of homoeopathic drugs. Standardisation studies on the following drugs have been undertaken during the year under report.

**Table 5.1**

S. No.	Drug Name	Common Names	Pharmaconostic Study	Physico-chemical Study	Institute/Unit
1.	<b><i>Bryophyllum calycinum</i></b>	Zakhmhaiya, Cathedral bells	√	√	CRI(H), Noida DSU (H), Hyderabad
2.	<b><i>Cassada</i></b> ( <i>Manihot esculenta</i> )	Kassava, Sweet or bitter cassava	√	√	CRI(H), Noida DSU (H), Hyderabad
3.	<b><i>Commiphora wightii</i></b>	Guggul	√	√	CRI(H), Noida
4.	<b><i>Erigeron canadensis</i></b>	Fleabane	√	√	CRI(H), Noida DSU (H), Hyderabad
5.	<b><i>Lobelia erinus</i></b>	Lobelia, Edging lobelia	√	√	CRI(H), Noida DSU (H), Hyderabad
6.	<b><i>Rumex crispus</i></b>	Yellow dock	√	√	CRI(H), Noida DSU (H), Hyderabad
7.	<b><i>Magnesium fluoratum</i></b>	Fluoride of magnesium	√	√	CRI(H), Noida DSU (H), Hyderabad
8.	<b><i>Mentholum</i></b>	Peppermint camphor	√	√	CRI(H), Noida DSU (H), Hyderabad

## PUBLICATIONS

### Books :

1. Vernacular Names of Plant Drugs in Homoeopathic Pharmacopoeia of India
2. Drug Standardisation part : Homoeopathic Drug Proving Vol. – 5.

### Drug Standardisation studies of following Monographs Published :

1. Drug Monograph-17, *Thea chinensis*
2. Drug Monograph-18, *Cassia fistula*
3. Drug Monograph-19, *Alfalfa*

## Articles :

Abstract of the research papers published in various research journals are mentioned below:

### 1. **Gymnosperm of Nilgiris, Tamil Nadu.**

The Nilgiris of Southern India is situated at the junction of the Eastern and Western Ghats (between 11°, 12' and 11°, 43' north and 76°, 14' and 77°, 1' east in the north of western part of Tamil Nadu) at an elevation varies from 400 – 2636 M and receive temperate climate with an average rainfall of 1400 mm with frosty nights from middle November to February. The maximum and minimum temperature are 28° C (April and May) and 0° C (in December and January) respectively. By this unique biogeography it has high reputation for its rich and diverse collection of indigenous, ornamentals and exotics. The mountains of Nilgiris had its own flora but the intermixing of different plants by acclimatization of specific from different phytogeographical regions must have all had a role in delivering the present day composition and distribution of the Nilgiri flora. However, their characteristic has Himalayan affinities with temperate elements.

Even though considerable botanical explorations have been done in this area by British scholars and Indian botanists, it is likely that several plants still remain unidentified and some of the existing plants are unrecorded and even not rediscovered after the collection of the type specimen. Therefore, floristic exploration of Nilgiris is very uneven and makes sense to try and trace purely the gymnosperm component of the flora. Moreover, the gymnosperm flora is not familiar to most of the botanists, horticulturists and ecologists in our country. Though they may have heard of the beauty of the plants of these heights, studies on gymnosperms from Nilgiris are very scanty and still remain highly incomplete to the present day.

The gymnosperm flora of Nilgiris is not inferior to any region though the majority of the plants are introduced and have become naturalized. They occupy a large area of Nilgiris and abundantly grow at temperate regions. They are very peculiar for their towering and gigantic canopy which can be seen in the gardens and parks as well as being highly distributed along the roadsides. *Cupressus macrocarpa* may be considered among the dominant species of the gymnosperms. They are also the chief forest makers of the Nilgiris and play a leading role in the preservation and protection of the environment.

The present study is an attempt to enlist the gymnosperms of the Nilgiris. About 63 genera and 750 species of gymnosperms throughout the world, of which 17 genera with above 60 species are described in India (Sahni, 1990). But the present study recorded 24 genera and 53 species present in the entire district and mostly present in Government Botanical Gardens, Udthagamandalam and Sims Park Coonoor.

**Published in :** Journal of Economic and Taxonomic Botany, 38(2):263-278. 2014. Jodhpur.

### 2. **Pharmacognostic and HPTLC Finger printing of *Pyrus malus* L.**

**Background:** *Pyrus malus* L. Syn. *Malus sylvestris* Mill., commonly known as 'Apple' is a well known tree belonging to the family Rosaceae. Leaves and young aerial parts are used as medicine in homoeopathy.

**Objective:** The Pharmacognostic and physico-chemical studies are carried out to facilitate use of correct species and standard raw materials.

**Material and Methods:** Pharmacognostic examinations of aerial parts (leaf, petiole and stem) of authentic

sample of *Pyrus malus* L., have been carried out. Physico-chemical parameters of raw drug viz., extractive value, ash values, formulation besides weight per mL, total solids, alcohol content along with high performance thin layer chromatography (HPTLC) and UV-visible studies have been worked out for mother tincture.

**Results:** The leaves are ovate to oblong, margin serrate, acute, glabrous above and tomentose beneath with a short petiole. The leaf is hypostomatic with anomocytic stomata. Uniseriate macroform flagellate conical and unicellular filiform cylindrical hairs occur on the leaf. In transverse section the midvein is conspicuously ridged on abaxial side. Epidermis is 1-layered with larger cells on abaxial. Cells over midvein are papillated. Palisade is 2-layered. The vascular bundle at midvein is single, large and arc shaped. The petiole in T.S. is shield like with an adaxial groove. The cortex is aerenchymatous towards adaxial. The vascular tissue consists of a single, large, arcuate bundle and two small adaxial bundles. The young stem is oval to spherical. The vascular tissue is in the form of a continuous cylinder. 1-3 seriate rays are present in the xylem. The xylem towards the centre possess secretory canals arranged in a ring.

**Conclusion:** The powder microscopic features and organoleptic characters along with the anatomical and physico-chemical studies are diagnostic to establish the standards for the drug.

**Published in :** Indian Journal of Research in Homoeopathy, 2013, Vol.7(1), 3-8.

### 3. Pharmacognostic and Physico-chemical Evaluation of *Heliotropium peruvianum* L.-a homoeopathic drug

**Background:** *Heliotropium peruvianum* L., popularly known as 'Heliotrope' in English, is a trailing plant belonging to the family Boraginaceae. The leaves and young aerial parts are used as medicine in headache, tension in inner canthus, pressure in the pit of stomach and sternum, uterine displacement and dysmenorrhoea.

**Objective:** Pharmacognostic and Physico-chemical studies were carried out to facilitate use of correct species and standard raw material to ensure uniformity.

**Materials and Methods:** Pharmacognostic studies of leaf and young stem of *Heliotropium peruvianum* were carried out. Physico-chemical parameters of the raw drug, viz., extractive values, ash values, formulation, besides weight per milliliter, total solids, alcohol content, along with high performance thin layer chromatography (HPTLC) and ultraviolet visible (UV-vis) studies were worked out for mother tincture.

**Results:** The leaves are elliptically long, dark green above and silvery white beneath. The sides of epidermal cells of leaf in surface view are straight to curved and wavy on the adaxial side and wavy to sinuate on the abaxial side. Papillate cells occur on the adaxial side. Stomata are few, anomocytic and restricted to the abaxial side. Unicellular conical and uniseriate conical hairs with thick walls occur on the leaf. In transverse section (TS), the leaf at midvein is shield like, slightly ridged on the adaxial surface and prominently ribbed towards the abaxial surface. Epidermal cells on the adaxial side are larger and interrupted by large encircling epidermal cells around trichomes. Parenchyma is four to five layered and often contains sphaeraphides. The phloem also possesses sphaeraphidal idioblasts. The young stem is oval in TS. Vascular tissue form of a continuous ring.

**Conclusion:** The powder microscopic features and organoleptic characters along with anatomical and Physico-chemical studies, besides HPTLC fingerprinting are diagnostic to establish the standards for the drug.

**Published in :** Indian Journal of Research in Homoeopathy, 2013, Vol. 7(3), 103-108.

#### 4. Standardisation of Homoeopathic drug – *Buxus sempervirens* L.

**Background:** *Buxus sempervirens* L. (Buxaceae) is a small tree, used in Homoeopathy for acute pain, increase in pulse rate and nausea. Leaves and stems are used in the preparation of medicine.

**Objective :** The pharmacognostic and physico-chemical studies are carried out to facilitate use of correct species and standard raw materials.

**Material and Methods:** Pharmacognostic studies of leaf and stem of authentic samples of *Buxus sempervirens* have been carried out. Physico-chemical parameters of the raw drug, namely, extractive values, ash value, formulation besides weight per milliliter, total solids, alcohol content, High Performance Thin Layer Chromatography (HPTLC) and Ultraviolet (UV) studies are given for the mother tincture.

**Results:** The leaves are nearly sessile, opposite, entire, narrowly lanceolate or ovate and up to 2.5 cm. The stomata are paracytic and confined to the abaxial side. Unicellular conical hair and peltate scaly hair occur on the adaxial side near the base. The midvein is ribbed on either sides. Crystalliferous idioblasts occur towards the abaxial side at the midvein and lamina. Secretory canals occur in the mesophyll. A single vascular bundle is present in the midvein. The stem is quadrangular. The vascular tissue is present as a cylinder with four cortical bundles, one each in the angles. The microscopical and organoleptic characteristics of the powder are provided.

**Conclusion:** The powder microscopic features and organoleptic characters along with anatomical and physico-chemical studies are diagnostic to establish the standards for ensuring quality and purity of the drug.

**Published in :** Indian Journal of Research in Homoeopathy, 2013, Vol.7 (2), 41-46.

#### 5. Standardisation of *Cyclea peltata* (Lam) Hook. f and Thoms.-in homoeopathic parlance

*Cyclea peltata* belonging to family Menispermaceae is a very useful drug in Ayurveda and Unani system of medicine. The long tuberous roots form the official drug used as blood purifier, in skin diseases, cardiac, colic pains, diarrhoea, respiratory diseases, ulcers and piles. As some indigenous plant drugs are being tried and adopted into homoeopathic system of medicine, *Cyclea peltata* also introduced into Homoeopathy.

The cork of the plant is extensive and often broken; phelloderm is 15-25 layered and contain starch grains. A 1-3 layered sclerenchymatous stone cells is present in the cortex. Medullary rays interrupt the secondary xylem frequently. Vessels are solitary or in groups of 2-3 and possess bordered pits.

Physico-chemical parameters like moisture content, ash and extractive values, wt. per ml., total solids, alcohol content besides TLC, UV absorbance for raw as well as finished products are provided.

**Published in :** Asian Journal of Homoeopathy, 2013, Vol.7,3(24), 41-47.

## 6. Standardisation of *Ficus carica* L. In homoeopathic perspective

**Background:** *Ficus carica* L. known as 'Common Fig' in English and 'Anjir' in Hindi, is a well known tree belonging to the family Moraceae. The unripe fruits are used as medicine in Homoeopathy.

**Objective:** The pharmacognostic and physico-chemical studies are carried out to facilitate use of correct species and standard raw materials.

**Material and Methods:** Pharmacognostic studies on unripe fruits of authentic samples of *Ficus carica* L. have been carried out; Physico-chemical parameters of raw drug viz., extractive value, ash values, formulation, besides weight per mL, total solids, alcohol content along with High Performance Thin Layer Chromatography (HPTLC) and Ultra violet-visible studies have been worked out for mother tincture.

**Results:** The unripe fruit is a syconium, globose, light green and externally tomentose. Stomata are anomocytic or actinocytic. Trichomes are unicellular conical. The 1-layered epidermis in transection (T.S.) is marked by hair bases with conspicuously large encircling cells. Inner cortex is aerenchymatous and possesses laticiferous tubes. Vascular bundles are present in the cortex towards inside. In T.S. inner fruit wall possess female flowers. Physico-chemical properties and HPTLC values of this plant have been standardised.

**Conclusion:** The powder microscopic features and organoleptic characters along with anatomical and physico-chemical studies are diagnostic to establish the standards for the drug.

**Published in :** Indian Journal of Research in Homoeopathy, 2013, Vol. 7 (4), 153-157.

## 7. Standardisation of Homoeopathic drug: *Manihot esculenta* Crantz

*Manihot esculenta* Crantz, commonly known as 'Brazilian arrow root', 'Sweet or bitter Cassava' in English and 'Maravalli kizhangu' in Tamil is a low shrubby plant belonging to Euphorbiaceae. The tincture of root tuber is used in Homoeopathy as demulcent and in nervous debility. The root tuber also known as 'Cassava' is used in preparation of commercial Tapioca. The tuber is greyish black, cylindrical and tapering. Stone cells occur in the phelloderm. Articulated laticiferous canals occur in the secondary phloem. Starch grains either simple or in aggregates are in abundance in the cortex.

The powder microscopical and organoleptic characters are presented. Besides, the physico-chemical studies of raw drug viz., ash content, extractive values, formulation along with wt.per ml., total solids, alcohol content, TLC and UV studies are given for the mother tincture.

**Published in :** Asian Journal of Homoeopathy, 2014, Vol.8, 1(26), 33-37.

## 8. Pharmacognostic studies on stem bark of *Plumeria rubra* Linn

*Plumeria rubra* L. syn. *Plumeria acutifolia* Poir., a deciduous ornamental tree belongs to the family Apocynaceae. The stem bark is medicinal and used as purgative, emmenagogue, febrifuge, anti hepatic, in skin affections, ulcers and in leprosy. Due to its importance in Ayurveda, the stem bark is pharmacognostically studied. The bark is scaly and curved. The inner side of the bark exudes latex. Microscopically the phellem is 15-20 layered with some crystalliferous idioblasts. The outer zone of cortex possesses of laticiferous canals, prismatic crystals and starch grains. The inner cortex at periphery possess of stone cells in groups. 2-6 seriate medullary rays traverse the secondary phloem. The powder microscopic features and organoleptic characters provided are diagnostic in the identification of the drug.

**Published in :** Current Research in Biological and Pharmaceutical Sciences, 2014, Vol. 3 (1).

### Preparation of Monographs for Homoeopathic Pharmacopoeia of India (HPI):

The Council provided identification data by TLC analysis for 50 drugs have been provided by the Council for the forthcoming Homoeopathic Pharmacopoeia of India, Volume X. As per action plan of Homoeopathic Pharmacopoeia for the year 2013-14, following ten (10) Monographs were prepared by the Council and sent to the Homoeopathic Pharmacopoeia Laboratory for final formatting for consideration in Homoeopathic Pharmacopoeia Committee.

1. *Bryophyllum calycinum*
2. *Cassada (Manihot esculenta)*
3. *Cupressus lawsoniana*
4. *Datura ferox*
5. *Lobelia erinus*
6. *Magnesium fluoratum*
7. *Mentholum*
8. *Mercurius sulphuricus*
9. *Plectranthus fruticosus*
10. *Plumbum iodatum*

## SURVEY, COLLECTION & CULTIVATION OF MEDICINAL PLANTS

A Survey of Medicinal Plants and Collection Unit (SMPCU), located at Emerald, Nilgiri District (T.N.) conducts survey for collection of medicinal plants used in Homoeopathy and supplies raw drug samples to the Central Research Institute (H), Noida and Drug Standardization Unit (H), Hyderabad for standardization studies. The Unit also cultivates exotic and indigenous medicinal plants used in Homoeopathy and maintains the garden. Following work has been carried out during the reporting year.

### A. Survey, Collection and Supply of raw drugs:

The Unit supplied following seven (7) raw drug plant materials to Central Research Institute (H), Noida and Drug Standardization Unit (H), Hyderabad for drug standardization studies:

**Table 6.1**

Sl. No.	Name of the Drugs
1.	<i>Bryophyllum calycinum</i>
2.	<i>Cassada (Manihot esculenta)</i>
3.	<i>Commiphora wightii</i>
4.	<i>Erigeron Canadensis</i>
5.	<i>Lobelia erinus</i>
6.	<i>Rumex crispus</i>
7.	<i>Juniperus communis (Commercial)</i>

Following seven (7) raw drug plant materials cultivated in the Research Garden, have been sold to various Homoeopathic Pharmacies for total amount of Rs. 86,630/- during the period under report.

**Table 6.2**

Sl.No.	Name of the Drugs	Sl.No.	Name of the Drugs
1.	<i>Cineraria maritima</i> L.	5.	<i>Thymus vulgaris</i>
2.	<i>Apium graveolens</i> L.	6.	<i>Petroselinum crispum (Mill) Nyman</i>
3.	<i>Achillea millefolium</i> L.	7.	<i>Rheum rhaponticum</i>
4.	<i>Rosmarinus officinalis</i> L.		

### B. Cultivation of medicinal plants:

The Unit has a Research Garden on 12.7 acres of land for cultivation of medicinal plants used in Homoeopathy at Emerald Post, Distt. Nilgiri, Tamil Nadu. Total seventy seven (77) medicinal plants, used in Homoeopathy (64 exotic and 13 indigenous) were cultivated in research garden during the year 2013-14.

a) The following exotic Homoeopathic medicinal plants are cultivated in the Research Garden.

- |                                       |                                       |
|---------------------------------------|---------------------------------------|
| 1. <i>Achillea millefolium</i>        | 33. <i>Lycopersicum esculentum</i>    |
| 2. <i>Agave americana</i>             | 34. <i>Magnolia grandiflora</i>       |
| 3. <i>Agropyron repens</i>            | 35. <i>Melissa officinalis</i>        |
| 4. <i>Ammi visnaga</i>                | 36. <i>Mentha spicata</i>             |
| 5. <i>Anagallis arvensis</i>          | 37. <i>Oenothera biennis</i>          |
| 6. <i>Anthoxanthum odoratum</i>       | 38. <i>Origanum majorana</i>          |
| 7. <i>Apium graveolens</i>            | 39. <i>Pastinaca sativa</i>           |
| 8. <i>Argemone ochroleuca</i>         | 40. <i>Persea americana</i>           |
| 9. <i>Armoracia rusticana</i>         | 41. <i>Petroselinum crispum</i>       |
| 10. <i>Artemisia annua</i>            | 42. <i>Prunus persica</i>             |
| 11. <i>Artemisia dracunculus</i>      | 43. <i>Raphanus sativa var. nigra</i> |
| 12. <i>Asclepias curassavica</i>      | 44. <i>Rosmarinus officinalis</i>     |
| 13. <i>Asparagus officinalis</i>      | 45. <i>Rumex acetosella</i>           |
| 14. <i>Chrysanthemum leucanthemum</i> | 46. <i>Rumex crispus</i>              |
| 15. <i>Chrysanthemum parthenium</i>   | 47. <i>Sarothamnus scoparius</i>      |
| 16. <i>Cinchona officinalis</i>       | 48. <i>Saccharum officinarum</i>      |
| 17. <i>Cineraria maritima</i>         | 49. <i>Salvia officinalis</i>         |
| 18. <i>Datura arborea</i>             | 50. <i>Sambucus nigra</i>             |
| 19. <i>Digitalis purpurea</i>         | 51. <i>Santolina chamaecyparissus</i> |
| 20. <i>Erigeron canadensis</i>        | 52. <i>Silybum marianum</i>           |
| 21. <i>Eschscholzia californica</i>   | 53. <i>Solanum nigrum</i>             |
| 22. <i>Exogonium purge</i>            | 54. <i>Symphytum officinale</i>       |
| 23. <i>Fagopyrum esculentum</i>       | 55. <i>Taraxacum officinale</i>       |
| 24. <i>Fragaria vesca</i>             | 56. <i>Taxus buccata</i>              |
| 25. <i>Fumaria officinalis</i>        | 57. <i>Thymus vulgaris</i>            |
| 26. <i>Ginkgo biloba</i>              | 58. <i>Trifolium pratense</i>         |
| 27. <i>Hedera helix</i>               | 59. <i>Trifolium repens</i>           |
| 28. <i>Heliotropium peruvianum</i>    | 60. <i>Tropaeolum majus</i>           |
| 29. <i>Iris germanica</i>             | 61. <i>Verbascum thapsus</i>          |
| 30. <i>Iris florentina</i>            | 62. <i>Viola odorata</i>              |
| 31. <i>Jacaranda mimosaeifolia</i>    | 63. <i>Viola tricolor</i>             |
| 32. <i>Kalanchoe pinnata</i>          | 64. <i>Yucca filamentosa</i>          |

**b) The following indigenous Homoeopathic medicinal plants are cultivated in the Research garden.**

- |                                   |                                   |
|-----------------------------------|-----------------------------------|
| 1. <i>Acorus calamus</i>          | 8. <i>Datura metel</i>            |
| 2. <i>Adhatoda vasica</i>         | 9. <i>Plectranthus fruticosus</i> |
| 3. <i>Amoora rohituka</i>         | 10. <i>Polygonum punctatum</i>    |
| 4. <i>Andrographis paniculata</i> | 11. <i>Saraca asoca</i>           |
| 5. <i>Centella asiatica</i>       | 12. <i>Syzygium cumini</i>        |
| 6. <i>Citrus aurantium</i>        | 13. <i>Vetiveria zizanioides</i>  |
| 7. <i>Coleus forskohlii</i>       |                                   |

**C. Herbarium:**

The Herbarium of the Survey of Medicinal Plants & Collection Unit located at Emerald, Tamil Nadu, India has been officially recognized, by the National Institute of Science Communication and Information Resources (NISCAIR), New Delhi and listed in the directory, "Handbook on Herbaria – in India and Neighbouring Countries". It has been allotted an international acronym "SMPRGH".



***Cineraria maritima* cultivation in newly developed area**



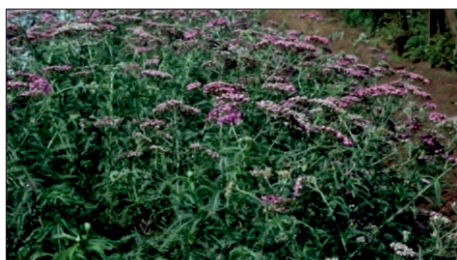
***Borago officinalis* plants in the field**



**Aerial view of SMPCU Medicinal Research Garden**



***Anthoxanthum odoratum* plants in the field**



**Flowering in *Achillea millefolium* cultivated in Research Garden**



**Cultivation of *Achillea millefolium* in Research Garden**

## FUNDAMENTAL RESEARCH

Since many years Council has been involved in undertaking multidisciplinary, quality research from every facet. The Council has collaborated with best of minds and institutes of excellence and has been able to achieve some of the globally accepted researches. Some of the major research studies done by Council like presence of nano particles of source substance in homoeopathic dilution, effect of homoeopathic medicine in heart rate variability, preventive effects of *Belladonna* of Japanese Encephalitis, mechanism of molecular pathway of action of homoeopathic medicine on apoptosis in tumour cells, effect of homoeopathic preparations of *Syzygium jambolanum* and *Cephalandara indica* in management of mice induced with diabetes mellitus, effect of homoeopathic preparation of *Berberis vulgaris* in kidney stone in mice etc. have opened new avenues for future research. A brief account of the work done on fundamental & collaborative studies during year 2013-14 is as follows:

### CONCLUDED STUDIES

#### 1. Safety and efficacy studies of Homoeopathic drugs (June 2012 – May 2013)

In homoeopathic system of medicine, there are many potential drugs for treatment of various ailments and are well documented in homoeopathic literature, but no scientific study has been conducted as per latest pharmacological methodologies and toxicological guidelines. Therefore, the present study in collaboration with AIIMS, New Delhi aimed to screen the homoeopathic mother tincture of *Bellis perennis*, *Curcuma longa*, *Rauwolfia serpentina*, *Ricinus communis*, *Tribulus terrestris* and *Terminalia arjuna* for their pharmacological properties. The pharmacological activities studied were: anti-inflammatory activity, analgesic activity, acute and sub-acute toxicity study. The study concluded that a dose of 4ml/kg of body weight in tested animals was non-toxic. *Curcuma longa* and *Tribulus terrestris* mother tinctures showed significant anti-inflammatory and anti-arthritic activities in mice compared to other drugs.

#### 2. Preliminary pharmacological studies of Homoeopathic drugs (June 2012 – May 2013)

Similar to above study, the homoeopathic drugs studied for anti-convulsant and cardiovascular activities were collaborating list: *Bellis perennis*, *Curcuma longa*, *Rauwolfia serpentina*, *Ricinus communis*, *Tribulus terrestris* and *Terminalia arjuna*. The study concluded that a dose of 4ml/kg of body weight in tested animals was non-toxic. The mother tincture of *Bellis perennis*, *Curcuma longa*, *Ricinus communis* and *Terminalia arjuna* demonstrated anticonvulsant activity in rodents. The mother tinctures of *Curcuma longa*, *Rauwolfia serpentina*, *Ricinus communis*, *Tribulus terrestris* and *Terminalia arjuna* possess antihypertensive properties.

#### 3. Extension study on "Role of homoeopathic medicines in cancer regression and rejuvenation of depressed immune system" (June 2012 – June 2013)

The previous study conducted in collaboration with Bose Institute, Kolkata, explored the role of homoeopathic medicines in cancer regression and rejuvenation of depressed immune system in mice model, wherein it was found that *Thuja occidentalis* 30C and *Merc. sol.* 30C efficiently induced apoptosis in p53 wild type expressing MCF-7 breast cancer cell line; *Sulphur* 6C, 30C and 200C was potent against non-small-cell lung cancer cell line; *Silicea* 200C showed pronounced effect on colon carcinoma cell line displaying p53+/Ras gene mutation. *Calcarea carb.* 6C normalized CD4+ cells in different immune organs of tumor bearing host. It also restored T cell population by normalizing T cell proliferation.

Keeping in view the significant results, and to further explore the genomic-proteomic factors responsible for cancer cell apoptosis the study was extended for one year. The study evaluated anti-tumorigenicity of *Thuja occidentalis* and explored the apoptogenicity of *Thuja occidentalis* on cancer cells with emphasis on molecular mechanism underlying *Thuja occidentalis* induced apoptosis. The results showed that *Thuja occidentalis* could successfully induce apoptosis in functional p53-expressing mammary epithelial carcinoma cells. These results open the horizon for developing a targeted therapy by modulating the redox status of functional p53-expressing mammary epithelial carcinoma cells by *Thuja occidentalis*.

#### 4. Efficacy of homoeopathic therapy on duration of labour (October 2012 – September 2013)

Homoeopathy has been used clinically in various obstetrical conditions including labour since inception, but there is a paucity of reported randomized trials in this area. A randomized, double blind, placebo controlled trial titled, “Efficacy of homoeopathic therapy on duration of labour” was undertaken in collaboration with Sri Aurbindo Institute of Integral Health and Research, Cuttack (Odisha). The primary objective of this study was to ascertain the efficacy of homoeopathic therapy on duration of labour. The study explored the use of 7 homoeopathic medicines (*Actaea racemosa*, *Belladonna*, *Caulophyllum*, *Gelsemium*, *Nux vomica*, *Pulsatilla*, and *Secale cor.*) in management of prolonged labor. The study enrolled a total of 73 participants, and data analysis is under progress.

#### ONGOING STUDIES

1. A multicentric study on action of homoeopathic medicines & potencies on heart rate variability (HRV) and blood flow variability (BFV) using medical analyzer system (Initiated in August 2009)
2. In vitro studies of some homoeopathic medicines on the proliferation and differentiation of neural stem cell with School of Biotechnology, West Bengal University of Technology, Kolkata (Initiated in May 2012)
3. To evaluate certain homoeopathic medicines for their immuno-modulatory and antioxidant potential conducted at Indian Veterinary Research Institute, Izatnagar (Initiated in April 2009)
4. Evaluation of anti-fungal activity of certain homoeopathic medicines on growth of human pathogenic fungi *Candida albicans* using *in-vitro* assays (Initiated in December 2013)
5. Evaluation of anti-fungal activity of certain homoeopathic medicines on growth of human pathogenic fungi *Aspergillus niger* using *in-vitro* assays (Initiated in December 2013)
6. Evaluation of anti-fungal activity of certain homoeopathic medicines on growth of human pathogenic fungi *Microsporum canis* using *in-vitro* assays (Initiated in December 2013)
7. Screening of antibacterial activity of certain homoeopathic medicines on the growth of human pathogenic Gram negative bacterial strain *Escherichia coli in-vitro* models (Initiated in March 2014 onwards)
8. Screening of antibacterial activity of certain homoeopathic medicines on the growth of human pathogenic Gram negative bacterial strain *Klebsiella pneumonia in-vitro* models (Initiated in March 2014 onwards)
9. Screening of antibacterial activity of certain homoeopathic medicines on the growth of human pathogenic Gram negative bacterial strain *Proteus mirabilis in-vitro* models (Initiated in March 2014 onwards)

## PUBLICATIONS

### 1. Preliminary study to evaluate analgesic and behavioural effects of *Lycopodium clavatum* in experimental animals.

**Background and Aim:** In Homoeopathy, the drug *Lycopodium clavatum* is prescribed for digestive upset, inflammations of urinary organs and dermal problems, but not for the treatment of central nervous system disorders unlike its use in traditional and folk medicine for central nervous system conditions. The present study was, therefore, undertaken with an aim to explore the possible analgesic and behavioural activities of the homoeopathic formulations of *Lycopodium clavatum* in animal models.

**Material and Methods:** Wistar albino rats (120-140 g) of either sex were used to evaluate analgesic effect by using hot plate, ice plate and Randall-Selitto tests and behavioural effect by using rota rod and open field tests. The rats were fed with different potencies (3X, 6X, 12X and 30C) of *Lycopodium clavatum* i.e., 0.5 ml /rat/day for 30 days and response of drug was measured after 30 minutes of drug administration on 10<sup>th</sup>, 20<sup>th</sup> and 30<sup>th</sup> day. Vehicle and saline-treated rats were tested simultaneously along with drug-treated animals for comparison.

**Results:** The study revealed that all the four potencies of *Lycopodium clavatum* had increased the latency time required to raise and to lick the fore or hind paw for thermal sensation and had also increased the quantum of threshold pressure to mechanical induced pain but depressed the motor coordination and locomotor activity.

**Conclusion:** This study suggests that the homoeopathic formulations (3X, 6X, 12X and 30C) of *Lycopodium clavatum* possess central nervous system depressant activity. So the drug *Lycopodium clavatum* can be taken up for further research for its possible human use.

**Published in :** Indian Journal of Research in Homoeopathy, 2013, 7(4):168-75.

### 2. Effect of homeopathic preparations of *Syzygium jambolanum* and *Cephalandra indica* on gastrocnemius muscle of high fat and high fructose-induced type-2 diabetic rats

**Background:** Homoeopathy is a holistic method of treatment that uses microdoses of natural substances originating from plants, minerals, or animal parts. *Syzygium jambolanum* and *Cephalandra indica* are used in homoeopathy for treatment of type-2 diabetes. However, the molecular mechanisms responsible for such effects are not known.

**Methods:** Homoeopathic preparations of *Syzygium jambolanum* and *Cephalandra indica* in mother tincture, 6C and 30C were used to examine the molecular mechanism of antidiabetic effects in the skeletal muscle of rats with high fat and fructose-induced type-2 diabetes mellitus. After 30 days treatment, fasting blood glucose, serum insulin and insulin signaling molecules in the skeletal muscle (gastrocnemius) were measured.

**Results:** Diabetic rats showed a significant decrease in serum insulin and lipid profile as well as low levels of insulin receptor (IR), v-akt murine thymoma viral oncogene homolog (Akt), p-Aktser473 and glucose transporter-4 (GLUT4) protein expression ( $p < 0.05$ ) with a significant increase in fasting blood glucose level ( $p < 0.05$ ) compared to the control group. Treatment with homoeopathic remedies significantly increased the serum insulin and expression of these proteins ( $p < 0.05$ ) with a significant decrease in fasting blood glucose ( $p < 0.05$ ) compared to diabetic rats.

**Conclusions:** In the present study homeopathic preparations of *Syzygium jambolanum* and *Cephalandra indica*, including ultramolecular dilutions exhibit antidiabetic effects, improving insulin action through activation of insulin signaling molecules in skeletal muscle of type-2 diabetic rats.

**Published in :** Homeopathy (2013); 102, 160-171.

### 3. Preliminary investigation on ultrahigh diluted *Berberis vulgaris* in experimental urolithiasis

**Purpose:** The study focuses on the anti-urolithiasis potential of ultra-diluted homeopathic potency of *Berberis vulgaris* root bark, commonly used in homeopathic system to treat renal calculi.

**Methodology:** *Berberis vulgaris* root bark (200C, 20ml/100g body weight/day, p.o, for 28 days) was tested in an animal model of urolithiasis. Urolithiasis was induced in male Wistar rats by adding 0.75% ethylene glycol (EG) to drinking water. Urine and serum samples were analyzed for calcium, magnesium, phosphorus, uric acid and creatinine. Enzymic makers of renal damage (alkaline phosphatase, lactate dehydrogenase, leucine aminopeptidase and g-glutamyl transpeptidase) were assessed in kidney and urine. Renal tissues were analyzed for oxalate content.

**Results:** Administration of EG to rats increased the levels of the stone-forming constituents calcium, phosphorus and uric acid, in urine. Levels were normalized by *Berberis vulgaris* treatment. The decrease in the urolithiasis inhibitor magnesium in urine was prevented by treatment with *Berberis vulgaris*. Serum creatinine levels were largely normalized by *Berberis vulgaris* treatment. Hyperoxaluria induced renal damage was evident from the decreased activities of tissue marker enzymes and an apparent escalation in their activity in the urine in control animals; this was prevented by *Berberis vulgaris* treatment.

**Conclusion:** Homeopathic *Berberis vulgaris* root bark has strong anti-urolithiasis potential at ultra-diluted dose.

**Keywords:** Urolithiasis; Hyperoxaluria; Homeopathy; *Berberis vulgaris*; Renal Damage

**Published in :** Homeopathy (2013); 102, 172-178.

### 4. Homeopathic treatment of patients with influenza-like illness during the 2009 A/H1N1 influenza pandemic in India

**Introduction:** We conducted a prospective, multi-centre, data collection survey of homeopathic practice in treatment of influenza-like illness in India during the 2009 pandemic of A/H1N1 influenza ('swine flu', SF).

**Aims:** To survey the practice of homeopathic practitioners in India in the management of SF, with respect to: (a) patients' symptoms at presentation and at follow-up (FU) consultation; (b) homeopathic medicines prescribed.

**Methods:** Data collection took place from October 2009 to February 2010, at the peak of the pandemic. All patients satisfying the minimum diagnostic symptoms of SF were eligible for inclusion. Data per appointment (in person or by telephone) were recorded by practitioners in spreadsheet format. All records were

anonymised and included: whether patient was immunised against A/H1N1; influenza symptoms at consultation; the homeopathic medicine/s prescribed; whether antiviral medicine prescribed.

**Results:** Twenty-three homeopathic physicians contributed to data collection. At the first appointment, 1126 patients had valid SF symptoms. A total of 89 different combinations of SF symptoms was observed, the most common being temperature  $>38^{\circ}\text{C}$  + cough + runny nose ( $n = 170$ ; 15.1%). A total of 44 different remedies (or combinations of remedies) were used at these first appointments, the most frequently prescribed being *Arsenicum album* ( $n = 265$ ; 23.5%). For a total of 99 FU appointments with valid SF symptoms, *Arsenicum album* was prescribed most frequently overall ( $n = 28$ ; 28.0%).

**Conclusions:** In our sample, the 2009 A/H1N1 influenza pandemic in India was characterised by several prominent symptoms and symptom/medicine associations, particularly temperature  $>38^{\circ}\text{C}$  + cough + runny nose, associated with *Arsenicum album*. Future studies should collect additional keynote prescribing symptoms that influence the choice of homeopathic medicine.

**Keywords:** Homeopathy; 2009 A/H1N1; swine flu; influenza-like illness; pandemic; data collection survey; India

**Published :** Homeopathy (2013); 102, 187-192.

#### 5. *Calcareo carbonica* induces apoptosis in cancer cells in p53-dependent manner via an immunomodulatory circuit.

**Background:** Complementary medicines, including Homeopathy, are used by many patients with cancer, usually alongside with conventional treatment. However, the molecular mechanisms underneath the anticancer effect, if any, of these medicines have still remained unexplored. To this end we attempted to evaluate the efficacy of *Calcareo carbonica*, a homeopathic medicine, as an anti-cancer agent and to delineate the detail molecular mechanism(s) underlying *Calcareo carbonica* -induced tumor regression.

**Results:** Interestingly, although *Calcareo carbonica* administration to Ehrlich's ascites carcinoma (EAC) and Sarcoma-180 (S-180)-bearing Swiss albino mice resulted in 30-35% tumor cell apoptosis, it failed to induce any significant cell death in ex vivo conditions. These results prompted us to examine whether *Calcareo carbonica* employs the immuno-modulatory circuit in asserting its anti-tumor effects. In tumor-bearing mice, there was profound depletion of CD4+ and CD8+ cells in peripheral blood, dominance of type-2 T helper cells and inhibition of T cell proliferation. *Calcareo carbonica* in turn prevented such loss of effector T cell repertoire, reversed type-2 cytokine bias and attenuated tumor-induced inhibition of T cell proliferation in tumor-bearing host. To confirm the role of immune system in *Calcareo carbonica* -induced cancer cell death, a battery of cancer cells were co-cultured with *Calcareo carbonica*-primed T cells. Our results indicated a "two-step" mechanism of the induction of apoptosis in tumor cells by *Calcareo carbonica* i.e., (1) activation of the immune system of the host; and (2) induction of cancer cell apoptosis via immunomodulatory circuit in p53-dependent manner by down-regulating Bcl-2:Bax ratio. Bax up-regulation resulted in mitochondrial transmembrane potential loss and cytochrome c release followed by activation of caspase cascade. Knocking out of p53 by RNA-interference inhibited *Calcareo carbonica* -induced apoptosis thereby confirming the contribution of p53.

**Conclusion:** These observations delineate the significance of immuno-modulatory circuit during *Calcareo carbonica* -mediated tumor apoptosis. The molecular mechanism identified may serve as a platform for involving *Calcareo carbonica* into immunotherapeutic strategies for effective tumor regression.

**Published in :** BMC Complement Altern Med. 2013 Sep 21; 13(1):230.

#### 6. Contribution of ROS p53 feedback loop in thuja induced apoptosis of mammary epithelial carcinoma cells

Adverse side effects of chemotherapy during cancer treatment have shifted considerable focus towards therapies that are targeted but devoid of toxic side effects. Here the antitumorigenic activity of *Thuja occidentalis*, the bioactive derivative of medicinal plant *Thuja occidentalis*, was evaluated and the molecular mechanism underlying *Thuja occidentalis*-induced apoptosis of functional p53-expressing mammary epithelial carcinoma cells was delineated. Our results showed that *Thuja occidentalis* could successfully induce apoptosis in functional p53-expressing mammary epithelial carcinoma cells. Notably, while abrogating intracellular reactive oxygen species (ROS) hindered p53-activation, knocking down p53 or inhibiting its functional activity significantly abridged ROS generation. Interestingly, under both these conditions, *Thuja occidentalis*-induced breast cancer cell apoptosis was reduced, thereby validating the existence of a ROS-p53 feedback loop. Unfurling this feedback loop revealed a bi-phasic ROS generation as a key mediator of *Thuja occidentalis*-induced apoptosis. First phase of ROS was instrumental in ensuring activation of p53 via p38MAPK and its nuclear translocation for transactivation of Bax, which induced second phase of mitochondrial ROS to construct ROS-p53 feedback loop. Such molecular cross-talk instigated mitochondrial changes to (i) maintain and amplify *Thuja occidentalis* signal in a positive self-regulatory feedback manner, and (ii) promoted mitochondrial death cascade through cytochrome c release and caspase-driven apoptosis. These results open the horizon for developing a targeted therapy by modulating the redox status of functional p53-expressing mammary epithelial carcinoma cells by *Thuja occidentalis*.

**Published in :** Oncology Reports 2014 Jan 24.

#### 7. Propitious antioxidative role of the homeopathic preparation of *Berberis vulgaris* in alleviating oxidative stress in experimental urolithiasis

**Background:** Oxidative stress is a major mediator in the pathophysiology of several kidney diseases. The cellular damage is mediated by an alteration in the antioxidant status, which increases the concentration of reactive oxygen species (ROS) in the stationary state (oxidative stress). Therefore, interventions favoring the scavenging and/or depuration of ROS should attenuate or prevent the oxidative stress, thereby safeguarding the kidneys against damage. In this sense, this study attempts to evaluate the extent of oxidative stress in experimental urolithiasis by measuring some parameters of oxidant stress and antioxidant defenses in rat kidneys, before and after *Berberis vulgaris* homeopathic preparation supplementation, and to assess the role, if any, of homeopathic treatment in mitigating free radical toxicity in kidney stone disease.

**Methods:** Rat model of urolithiasis was established by administering 0.75% ethylene glycol (EG) in drinking water, and the effects of a homeopathic preparation of *Berberis vulgaris* root bark (HPBV) on the renal antioxidative defense system as well as on potent markers of free radical activities were investigated.

**Results:** HPBV brought about an augmentation in the activities of enzymatic antioxidants such as superoxide dismutase, catalase, glutathione peroxidase, glutathione reductase, and glucose-6-phosphate dehydrogenase and improved the nonenzymatic antioxidants, e.g., tocopherol, ascorbic acid, and glutathione. HPBV ameliorated the malondialdehyde and protein carbonyl levels and restored renal thiols almost completely.

**Conclusion:** Thus, it is shown that HPBV acts as a renoprotective remedy in alleviating the renal calculi-associated oxidative damage by upregulating the antioxidant status.

**Published in :** Forsch Komplementmed 2014; 21:7-12.

## EXTRA MURAL RESEARCH

Central Council for Research in Homoeopathy is coordinating the research projects related to Homoeopathy under the Extra Mural Research (EMR Scheme) of the Department of AYUSH.

The meetings of Internal Scrutiny Committee (ISC) were held on following dates:

**Table 8.1**

S. No.	ISC Meeting	New Proposals Considered
1.	9 <sup>th</sup> April 2013	13
2.	6 <sup>th</sup> June 2013	3
3.	27 <sup>th</sup> Aug 2013	3
4.	07 <sup>th</sup> Jan 2013	3

The Project Evaluation Committee meetings under the chairmanship of Joint Secretary, Department of AYUSH were held on 12<sup>th</sup> May 2013, 23<sup>rd</sup> June 2013, 1<sup>st</sup> Sept 2013 & 21<sup>st</sup> Dec 2013.

The following projects were considered in the meetings respectively.

**Table 8.2**

Sl. No.	PEC Meeting	Proposals Considered
1.	12 <sup>th</sup> May 2013 Total Projects considered 4	New Proposals– 4
		<ol style="list-style-type: none"> <li>1. Anti-Inflammatory and Anti- Arthritic Homoeopathic Drugs : Standardization through Pharmacological Evaluation and Establishment of Mechanisms of Action.</li> <li>2. Testing the Role of Classical Homoeopathy in COPD: An open observational study.</li> <li>3. Effect of Homoeopathic medicine <i>Cephalandra indica</i> on glucose metabolism, <math>\beta</math> cell function and insulin resistance in adults of type 2 diabetes-double blind, placebo controlled cross over study.</li> <li>4. Evidence based support for efficacy of homeopathic remedy, <i>Nux vomica</i> through pharmacological studies and elucidation of its mechanism of action using Gene Expression Profiling.</li> </ol>
2.	23 <sup>rd</sup> June 2013 Total Projects considered 3	New Proposals– 2
		<ol style="list-style-type: none"> <li>1. An Open observational trial of Homoeopathic medicines in mild and moderate COPD with Spirometry evaluation.</li> <li>2. Testing the Role of Classical Homoeopathy in COPD : An Open Observational study.</li> </ol>
		Concluded studies– 1
		<ol style="list-style-type: none"> <li>1. Immunological studies on Rheumatoid arthritis treated with homoeopathic drugs.</li> </ol>

Sl. No.	PEC Meeting	Proposals Considered
3.	1 <sup>st</sup> September 2013 Total projects considered 6	New Proposals– 4
		<ol style="list-style-type: none"> <li>1. An open observational trial of Homoeopathic medicines in mild and moderate COPD with Spirometry evaluation</li> <li>2. Effect of homoeopathic medicine <i>Cephalandra indica</i> on glucose metabolism, <math>\beta</math> cell function and insulin resistance in adults of type 2 diabetes. Double blind, placebo controlled cross over study.</li> <li>3. Evidence based support for efficacy of homeopathic remedy, <i>Nux vomica</i> through pharmacological studies and elucidation of its mechanism of action using Gene Expression Profiling.</li> <li>4. To evaluate the attenuating potential of <i>Gymnema sylvestre</i>, <i>Cephalandra indica</i> and their bioactive compounds in diabetic complications (diabetic neuropathy and diabetic nephropathy).</li> </ol>
		Concluded studies - 2 <ol style="list-style-type: none"> <li>1. Immunological studies on Rheumatoid arthritis treated with homoeopathic drugs.</li> <li>2. Spectral standardization of potentised homoeopathic medicines.</li> </ol>
4.	21 <sup>st</sup> December 2013 Total projects considered 5	New Proposal– 1
		<ol style="list-style-type: none"> <li>1. To evaluate the attenuating potential of <i>Gymnema sylvestre</i>, <i>Cephalandra indica</i> and their bioactive compounds in diabetic complications (diabetic neuropathy and diabetic nephropathy).</li> </ol>
		Concluded studies– 4 <ol style="list-style-type: none"> <li>1. Immunological studies on Rheumatoid arthritis treated with homoeopathic drugs.</li> <li>2. Identification of mode and pathway of anti-diabetic action of ultra-molecular dilutions of alloxan on alloxan induced diabetic rabbits.</li> <li>3. Evaluation of major active principles of anti-diabetic homoeopathic medicines from <i>Cephalandra indica</i> at ultra-high dilutions in experimental animal.</li> <li>4. Effects of potentised homoeopathic medicines prepared on different dates using plant based bio-assays as a model.</li> </ol>

The Project Approval Committee meetings were held under chairmanship of Secretary, Department of AYUSH on 28<sup>th</sup> May 2013, 5<sup>th</sup> August 2013, 25<sup>th</sup> November 2013 & 6<sup>th</sup> March 2014.

The following projects were considered in the PAC meetings respectively:

**Table 8.3**

Sl. No.	PEC Meeting	Proposals Considered
1.	28 <sup>th</sup> May 2013 Total Projects considered 1	New Proposal– 1
		<ol style="list-style-type: none"> <li>1. Anti-inflammatory and Anti-arthritis Homoeopathic drugs: Standardization through pharmacological evaluation and establishment of mechanism of action.</li> </ol>

Sl. No.	PEC Meeting	Proposals Considered
2.	5 <sup>th</sup> August 2013 Total Project considered: 1	New Proposal– 1
		1. An open observational trial of Homoeopathic medicine in mild and moderate COPD with Spirometry evaluation.
3.	25 <sup>th</sup> November 2013 Total Projects considered: 5	New Proposals– 4
		1. An open observational trial of homoeopathic medicine in mild and moderate COPD with Spirometry evaluation.
		2. Effect of homoeopathic medicine <i>Cephalandra indica</i> on glucose metabolism, $\beta$ cell function and insulin resistance in adults of type 2 diabetes. Double blind, placebo controlled cross over study.
		3. Evidence based support for efficacy of homoeopathic remedy, <i>Nux vomica</i> through pharmacological studies and elucidation of its mechanism of action using Gene Expression Profiling.
4.	6 <sup>th</sup> March 2014 Total Projects considered: 5	4. To evaluate the attenuating potential of <i>Gymnema sylvestra</i> , <i>Cephalandra indica</i> and their bioactive compounds in diabetic complications (diabetic neuropathy and diabetic nephropathy).
		Concluded studies - 2
		1. Immunological studies on Rheumatoid arthritis treated with homoeopathic drugs. 2. Spectral standardization of potentised homoeopathic medicines.
4.	6 <sup>th</sup> March 2014 Total Projects considered: 5	New Proposal– 1
		1. To evaluate the attenuating potential of <i>Gymnema sylvestra</i> , <i>Cephalandra indica</i> and their bioactive compounds in diabetic complications (diabetic neuropathy and diabetic nephropathy).
		Concluded studies– 4
		1. Identification of mode and pathway of anti-diabetic action of ultra-molecular dilutions of alloxan on alloxan induced diabetic rabbit. 2. Immunological studies on Rheumatoid arthritis treated with homoeopathic drugs. 3. Effects of potentised homoeopathic medicines prepared on different dates using plant based bio-assays as a model. 4. Evaluation of major active principles of anti-diabetic homoeopathic medicines from <i>Cephalandra indica</i> at ultra-high dilutions in experimental animals.

## Publications :

The results of the following studies concluded under the EMR scheme were published:

**Table 8.4**

Sl. No.	Name of the study	PEC Meeting	Proposals Considered
1.	Evaluation of major active principles of anti-diabetic homoeopathic medicines from <i>Cephalandra indica</i> at ultra-high dilutions in experimental animals.	Anti-diabetic effect of <i>Cephalandra indica</i> Q in diabetic rats published in IJRH, Vol. 7, No. 2.	The aim of this study was to investigate the effects of <i>Cephalandra indica</i> mother tincture and potencies on blood glucose level, cholesterol level, body weight and beta-cells of pancreatic islets of Langerhans, in streptozotocin (STZ)-induced diabetic Wistar rats. Glucose uptake was monitored in mother tincture-treated mouse fibroblast cell line. Diabetes mellitus was induced by intraperitoneal injection of STZ (55 mg/kg body weight) in adult male rats. After three days of injection, diabetic rats received mother tincture orally (750 µL/kg body weight) daily for three weeks. There was a significant reduction of blood glucose level, regain of body weight, and regeneration of beta-cells in the pancreas of the mother tincture-treated rats. Mother tincture-treated 3T3 cells also showed reduced uptake of glucose in comparison to normal cells.
2.	Effects of Potentized Homoeopathic medicines prepared on different dates using Plant Based Bio-assays as a model	Effects of potentised homoeopathic medicines, <i>Arsenicum album</i> and <i>Baryta carbonica</i> on growth and pigment concentration of wheat ( <i>triticumaestivum</i> L.) in Biohelica: Vol.3 (1&2): 38-43, 2013	In the study investigation, wheat seedlings ( <i>Triticum aestivum</i> L.) of Sonalika variety were exposed to different centesimal potencies (strength) of homoeopathic medicine, <i>Arsenicum album</i> and <i>Baryta carbonica</i> . The effect was analyzed on various parameters starting from germination to pigment concentration of seedlings grown in vitro. Result showed that, although there was no change in the seedling dry weight but a significant positive effect was observed on other growth parameters viz., shoot length, root length, fresh weight and pigment concentration in treated plants as compared to untreated. The potentised medicines affect plant growth and development.

## GENDER ISSUES

Most of the research studies conducted by Council are gender neutral. There are only five specific clinical research studies 'Benign Prostatic Hypertrophy' in men and 'Polycystic Ovarian Syndrome' 'Breast Fibroadenoma', 'Menopause' & 'Side effect of chemotherapy in Breast Cancer' for women. In all the other clinical verification and Drug proving studies, the gender distribution is random.

Council has also constituted a Gender Budgeting Cell as per direction from Department of AYUSH to monitor gender specific issues.

Council has been conducting Mother and Child Health Clinics since 2009-10 at various Institutes/Units after National Campaign on Homoeopathy for Mother & Child care in the year 2007.

The following table shows the total attendance of the patients in the OPDs of the institutes/units of the Council, percentage of female in the OPDs and their relative participation in the research areas of the Council.

**Table 9.1**

Activity	Total	Women	Women %
General OPD attendance including research cases	562679	310054	55.10%
<b>Total</b>	<b>562679</b>	<b>310054</b>	<b>55.10%</b>

# PUBLICATIONS AND LIBRARY





## PUBLICATIONS

As a primary mandate, the Council disseminates the outcomes of the accomplished researches through effective documentation and publications. In its endeavor to reach out globally, the Council had already made its journal, Indian Journal of Research in Homoeopathy (IJRH) as an open access online journal. Continuing with the same venture further during the reporting period, the Council initiated the publication of e-books to make them easily accessible to the researchers and scholars. The purchase of books from the Council publications has been made speedily available by integrating the payment gateway with Council's website.

### 1. Indian Journal of Research in Homoeopathy

#### 1.1 Volume 7, No. 2 (April-June 2013)

##### Original Articles

- Standardization of homoeopathic drug: *Buxus sempervirens* L.
- *Hydroquinone*: Homoeopathic Pathogenetic Trial
- Individualized homoeopathy versus placebo in essential hypertension: A double blind randomized controlled trial
- Effect of homoeopathic LM potencies in acute attacks of haemorrhoidal disease
- A multicentric randomized single-blind placebo-controlled trial
- Antidiabetic effect of *Cephalandra indica* Q in diabetic rats

##### Case Report

- Treatment of post-burn hypertrophic scar with homoeopathic medicine

##### Reminiscences

- Glimpses from the past, CCRH quarterly bulletin review, volume 6 (1-4), 1984

##### Book Review

- Samuel Hahnemann: The Founder of Homoeopathy

#### 1.2 Volume 7, No.3 (July-September 2013)

##### Original Articles

- Pharmacognostic evaluation of *Heliotropium peruvianum* L.: A homoeopathic drug
- A multi-centric double-blind homoeopathic pathogenetic trial of *Cyclosporin*
- Homoeopathic management in depressive episodes: A prospective, unicentric, non-comparative, open-label observational study
- Evaluation of antiobesity activity of *Fucus vesiculosus*

##### Case Report

- Evidence-based Homoeopathy: A case of acute paraphimosis with balanitis

##### Reminiscences

- CCRH quarterly bulletin, Volume 7 (1-4), (1985)

**Book Review**

- Handbook on 'Homoeopathy: Case taking to Prescribing'

**1.3 Volume 7, No.4 (October-December 2013)****Research Protocol**

- Efficacy of homoeopathic treatment for diabetic distal symmetric polyneuropathy

**Original Articles**

- A multicentric randomised double-blind placebo-controlled clinical trial
- Standardisation of *Ficus carica* L.: In homoeopathic perspective
- Homoeopathic management of attention deficit hyperactivity disorder: A randomized placebo-controlled pilot trial
- Preliminary study to evaluate analgesic and behavioural effects of *Lycopodium clavatum* in experimental animals

**Case Report**

- Experience with Homoeopathy in a case of large urethral calculus

**Reminiscences**

- CCRH quarterly bulletin, Volume 8 (1-4), 1986

**Book Review**

- Diabetes mellitus: Homoeopathic approach. (Disease Monograph-4)

**1.4 Volume 8, No.1 (January-March 2014)****Research Protocol**

- Homoeopathy in polycystic ovarian syndrome: A randomized placebo-controlled pilot study

**Original Articles**

- A multi-centric double blind homoeopathic pathogenetic trial of *Hygrophila spinosa*
- Dose-dependent effect of homoeopathic drug *Zinc sulphate* on plant growth using *Bacopa monnieri* as model system
- To evaluate the role of homoeopathic medicines as add-on therapy in patients with Rheumatoid Arthritis on NSAIDs: An observational study

**Clinical Papers**

- Usefulness of classical homoeopathy for the prevention of urinary tract infections in patients with neurogenic bladder dysfunction: A case series
- A case of haemorrhoids in a 12-year-old boy

**Reminiscences**

- CCRH quarterly bulletin, Volume 9 (1-4), 1987

**Book Review**

- Lymphatic Filariasis : Homoeopathic approach

### Conference Report

- Proceedings of interactive meet on harmonisation of drug proving programme

### Research Highlights

## 2. CCRH Newsletter; Issue No. 66,67,68,69

## 3. Annual Report (2012-13)

## 4. Books

Research findings of the Council under Clinical Research, Drug Standardization, Drug Proving and Clinical Verification were made available to the practitioners, researchers and students in the form of Books and Monographs- Drug Monographs & Disease Monographs. The following books were published during this period:

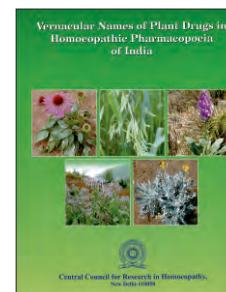
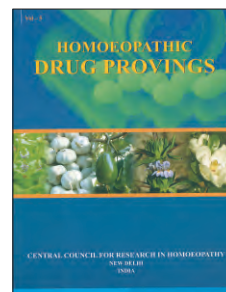
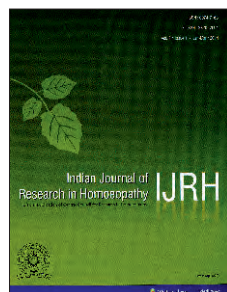
1. **Drug Monograph— Alfalfa**
2. **Homoeopathic Drug Provings: Vol.- 5**
3. **Vernacular Names of Plant Drugs in Homoeopathic Pharmacopoeia of India**

## 5. Handouts

To create awareness among masses about the current health related issues and scope of Homoeopathy as a treatment method. The following two handouts were published in this year.

1. **Benign Prostatic Hyperplasia**
2. **Menopause**

## 6. Non-priced publication of the Council – CCRH An Overview: Activities & Achievements



## LIBRARY

The inception of this Library and Information Centre dates back to 1979 when a small library was set up with a small collection of about five hundred Publications to start primarily to meet the information needs of the Research Scientists of the Council. With the passage of time, the library grew at a fast pace, and, in order to cater to the ever increasing R&D information needs of the professionals, it systematically and gradually grew as a collection of specialized reading materials such as books, periodicals, reference works, serials in the areas of Homoeopathic Research and Drugs & Pharmaceuticals.

**Books added to the collection:** Library adds its collection by purchasing the books on recommendations of Book Selection Committee and on the basis of suggestions received from the research scholars. Library also receives complementary books from Govt. organizations. In the year 2013-14 library added 229 books and the total no. of books as on 31.03.2014 are 10901.

WHO Publications	-	28
Number of books received as Complementary	-	03
Number of books procured	-	198

**E-Books:** Library has also taken initiative to subscribe e-books for its users. During the year library has subscribed 8 e-books on.

**Web OPAC Search:** The collection of books, bound journals, theses available in Library, can be searched through Web OPAC search.

**Journals:** Library subscribes the foreign and Indian journals on Homoeopathy as well as Alternative Medicines to help the research scholars with latest updates in the medical field especially in Homoeopathy. Library subscribed the following 26 journals for the calendar year 2013.

Foreign	-	11
Indian	-	13
WHO Periodicals	-	02

**E-journals:** The library subscribes the following e-journals also. These journals can be accessed by the research scientists of the Council using th respective user Name and Password.

1. Complementary Therapies in Clinical Practice
2. Complementary Therapies in Medicine
3. European Journal of Integrative Medicine
4. Explore: The Journal of Science & Healing
5. The Lancet

6. Homeopathy
7. Journal of Alternative and Complementary Medicine
8. Alternative and Complementary therapies
9. Focus on Alternative and Complementary therapies
10. Journal of Evidence-Based Complementary & Alternative Medicine
11. Forschende Komplementarmedizin

**Digital Library:** Library also contains 2165 number of bound journals and all the back volumes of homoeopathic journals are digitized and are available in house through digital library search.

#### **Library Services:**

The Council's library has been providing following services to its users.

**Reference Services:** Library responds to the queries received from Units/Institutes under CCRH as well as Homoeopathic professionals of the country.

**Current Awareness Service:** The Library and Information Centre brings out the Current Health Literature Awareness Services (CHLAS), a quarterly publication, to keep the users abreast of latest scientific articles published in various journals/magazines subscribed by the Council. This was started in 1988. It covers original articles of homoeopathy and allied subjects which are broadly classified under various subjects. In the year 2013-14, library has released 26<sup>th</sup> Vol. of CHLAS.

#### **Selective Dissemination of Information:**

**Bibliographic Services:** Specific Bibliographies are compiled on request, according to the requirement of users.

**Medico Abstract:** Exhaustive literature compilations on various diseases of major relevance have been made, indexed and abstracted and published in Medico Abstracts. Considering an abstract article from point of view of its information characteristics and use, it is designed to meet mainly needs that with the help of abstracts one is able to get some idea of the information content of each of the items included.

The purpose of Medico Abstracts is to create awareness and to improve the effectiveness and efficiency of clinicians through the identification of good clinical practice and desired clinical outcomes. The Medico Abstracts on the following topics have been published so far by the CCRH Library.

- a. **Renal Disorders**
- b. **Diabetes Mellitus**
- c. **Psoriasis**
- d. **Bronchial Asthma**
- e. **Rheumatoid Arthritis**
- f. **Cancer**
- g. **Eye Disorders**
- h. **Homoeopathic Research in India other than CCRH**

**Digital Database of Theses:** The library has undertaken a project to develop a digital database of theses submitted by the P.G. students under various Homoeopathic colleges in India with aim to provide help to homoeopathic fraternity.

**Document Delivery Service:** The library attends to photocopy requests about its resources and provides backup services.

#### WEBSITE

Library is also updating the website of the Council as and when required.

#### HOMOEOPATHIC FRATERNITY DATABASE

With an objective to propagate research work and activities of the Council among homoeopathic profession, Council's library has developed a database of 4758 homoeopathic professionals and students in the year 2013 - 14 and e-mailed research work and activities of the Council as and when released.

# OTHER ACTIVITIES





## MEETINGS OF THE COMMITTEES

**Table 12.1**

Sl. No.	Meeting	Venue	Date
1.	<b>Scientific Advisory Committee:</b>		
	• 54 <sup>th</sup> meeting of Scientific Advisory Committee	CCRH Headquarters	23 <sup>rd</sup> August, 2013
	• 55 <sup>th</sup> meeting of Scientific Advisory Committee of CCRH	CCRH Headquarters	20 <sup>th</sup> & 21 <sup>st</sup> February, 2014
2.	<b>Standing Finance Committee:</b>		
	• 60 <sup>th</sup> Meeting of the Standing Finance Committee of Central Council for Research in Homoeopathy (CCRH)	Department of AYUSH	20 <sup>th</sup> June, 2013
	• 61 <sup>st</sup> Meeting of the Standing Finance Committee of Central Council for Research in Homoeopathy	Department of AYUSH	19 <sup>th</sup> November, 2013
	• 62 <sup>nd</sup> Meeting of Standing Finance Committee of CCRH	Department of AYUSH	11 <sup>th</sup> Feb., 2014
	• 63 <sup>rd</sup> Meeting of Standing Finance Committee of CCRH	Department of AYUSH	14 <sup>th</sup> March, 2014
3.	<b>Ethical Committee:</b>		
	• 17 <sup>th</sup> Meeting of Ethical Committee of CCRH	CCRH Headquarters	14 <sup>th</sup> August, 2013
4.	<b>Special Committee for Clinical Research:</b>		
	• 8 <sup>th</sup> Meeting of Special Committee for Clinical Research of CCRH held under the Chairmanship of Dr V. K. Gupta, Member SAC	CCRH Headquarters	22 <sup>nd</sup> July, 2013
	• 9 <sup>th</sup> Meeting of Special Committee for Clinical Research	CCRH Headquarters	31 <sup>st</sup> January, 2014

## MISCELLANEOUS TECHNICAL MEETINGS

Table 12.2

Sl. No.	Meeting	Venue	Date
1.	Meeting/presentation on study titled 'Effectiveness of homeopathic medicines-vs- placebo as add on to institutional management protocol for Acute Encephalitis Syndrome (AES) - A randomized, single-blind, placebo controlled trial'	B.R.D Medical College and Hospital, Seminar room, OPD no. 16, Paediatrics Department, Gorakhpur	9 <sup>th</sup> April, 2013 to 12 <sup>th</sup> April, 2013
2.	Discussion/presentation on Homoeopathy in Encephalitis	ICMR, New Delhi	28 <sup>th</sup> May, 2013
3.	Meeting to discuss on the draft protocol titled, "Effect of individualized homeopathic intervention in dyslipidemia: An open label randomised controlled exploratory trial"	CCRH Headquarters	2 <sup>nd</sup> July, 2013
4.	Training programme on Hospital Management system organized by CRI (H), Noida.	CRI(H), Noida	4 <sup>th</sup> – 6 <sup>th</sup> July, 2013
5.	Training programme on study titled "A Multi-Centre Single blind Randomized Placebo Controlled Trial to Evaluate the Efficacy of Individualized Homoeopathic Intervention in Breast Fibroadenoma"	CCRH Headquarters	11 <sup>th</sup> July, 2013
6.	Training programme on study titled "Management of polycystic ovarian syndrome with homoeopathic intervention versus placebo -A randomized controlled pilot study"	CCRH Headquarters	11 <sup>th</sup> July, 2013
7.	Meeting to discuss on the draft protocol titled, "Effects of Homoeopathic intervention in mild to moderate essential hypertension: A randomized double blind, double dummy, placebo controlled trial"	CCRH Headquarters	17 <sup>th</sup> July, 2013
8.	Training programme for training the investigators for Acute Otitis Media (RCT)	CCRH Headquarters	18 <sup>th</sup> July, 2013
9.	Meeting to discuss on the study related to Acute encephalitis syndrome conducted by Central Council for Research in Homoeopathy	Clinical Trial Unit(H), Gorakhpur, Extension centre of HDRI, Lucknow	24 <sup>th</sup> – 26 <sup>th</sup> July, 2013

Sl. No.	Meeting	Venue	Date
10.	Meeting with DCGI for Ethical considerations	Department of AYUSH	16 <sup>th</sup> August, 2013
11.	Hearing Committee meeting	Department of AYUSH	16 <sup>th</sup> Sept., 2013
12.	Establishment of National Institute of Drug & Tobacco De-addiction (NIDTD)	Department of AYUSH	26 <sup>th</sup> Sept., 2013
13.	Training programme held for 17 investigators from 08 Institutes/Units who are involved in Pre-Diabetes, Hypertension and Dyslipidemia studies.	CCRH Headquarters	24 <sup>th</sup> - 25 <sup>th</sup> October, 2013
14.	2 <sup>nd</sup> National Conference Forum for Ethics Review Committees in India (FERCI), Coimbatore	PSGIMS&R, Coimbatore	8 <sup>th</sup> - 9 <sup>th</sup> November, 2013 Pre-Clinical Workshop on 7 <sup>th</sup> November, 2013
15.	Onsite monitoring visit for Urolithiasis (RCT) and Chronic rhinosinusitis (RCT)	CRI(H), Noida	13 <sup>th</sup> November, 2013
16.	Training Workshops on Ethical Issues & Role of Ethics Committee in Clinical Trials	CCRUM, Janakpuri, New Delhi	22 <sup>nd</sup> & 23 <sup>rd</sup> November, 2013
17.	Meeting to discuss the modalities of implementing the protocol for preventive trial on Acute Encephalitis syndrome.	CCRH Headquarters	22 <sup>nd</sup> January, 2014
18.	Internal review meeting of Urolithiasis study	CCRH Headquarters	3 <sup>rd</sup> February, 2014
19.	Internal review meeting of Urolithiasis study	CCRH Headquarters	13 <sup>th</sup> February, 2014
20.	Inspection and internal audit	CRU(H), Portblair	16 <sup>th</sup> to 19 <sup>th</sup> Feb., 2014
21.	Monitoring for breast cancer study	DARRI(H), Kolkata	11 <sup>th</sup> to 12 <sup>th</sup> March, 2014
22.	Seminar on recent advances & trends in homoeopathic research	RRI (H), Gudivada	19 <sup>th</sup> & 20 <sup>th</sup> March, 2014

## WORKSHOPS/SEMINARS/CME PROGRAMS

For capacity building of Researchers and to educate the profession about recent advancements in Homoeopathic Research, Research methodology, Scientific writing, Council has been organising CME programs and participating in different National and International Seminars. This is being done to fulfill the objectives of the Council, i.e. dissemination of research findings, sensitization of professionals and exchanging information with other Institutions, Associations, Societies interested in the objective similar to those of the Council.

Council has conducted 4 CME programmes and 4 seminars in 2013-14 for educating the profession about recent advances in Research. CME programs were conducted in North east region at Council's Units/Institutes and Seminars were conducted at different Institutes/units of CCRH. Total 888 participants were sensitized through 19 National & International seminars and CME programmes. 43 doctors presented the research findings in these seminars and CME programmes.

### THE WORKSHOPS/TRAININGS ORGANISED BY CCRH

Table 13.1

Sl. No.	EVENTS	Venue	Date	No. OF BENEFICIARIES	PARTICIPANTS FROM CCRH AS RESOURCE PERSONS	PARTICIPANTS FROM CCRH AS DELEGATES
1.	CME program on Research updates and sharing experiences on Homoeopathy in Gynaecological disorders, Dermatological disorders, Rheumatological disorders and Common diseases of children.	CRU(T), Agartala	5 <sup>th</sup> – 6 <sup>th</sup> Aug., 2013	65	4 Resource persons	8 Delegates
2.	Seminar on Research updates and sharing experiences on Homoeopathy in Gynaecological disorders, Dermatological disorders, Rheumatological disorders and Common diseases of children.	RRI (H), Mumbai	22 <sup>nd</sup> – 23 <sup>rd</sup> Aug., 2013	140	4 Resource persons	4 Delegates
3.	CME on Research updates and sharing experiences on Homoeopathy in Gynaecological disorders, Dermatological disorders, Rheumatological disorders and Common diseases of children.	CRU (T), Dimapur	29 <sup>th</sup> - 30 <sup>th</sup> Aug., 2013	29	4 Resource persons	8 Delegates

SI. No.	EVENTS	Venue	Date	No. OF BENEFICIARIES	PARTICIPANTS FROM CCRH AS RESOURCE PERSONS	PARTICIPANTS FROM CCRH AS DELEGATES
4.	Seminar on Research updates and sharing experiences on Homoeopathy in Gynaecological disorders, Dermatological disorders, Rheumatological disorders and Common diseases of children.	DACRRI (H), Kolkata	30 <sup>th</sup> - 31 <sup>st</sup> Aug., 2013	140	4 Resource persons	5 Delegates
5.	Seminar on Research updates and sharing experiences on Homoeopathy in Gynaecological disorders, Dermatological disorders, Rheumatological disorders and Common diseases of children.	RRI (H), Puri	06 <sup>th</sup> – 07 <sup>th</sup> Sept., 2013	90	4 Resource persons	4 Delegates
6.	CME on Research updates and sharing experiences on Homoeopathy in Gynaecological disorders, Dermatological disorders, Rheumatological disorders and Common diseases of children.	RRI (H), Imphal	11 <sup>th</sup> – 12 <sup>th</sup> Sept., 2013	49	4 Resource persons	8 Delegates
7.	CME on Research updates and sharing experiences on Homoeopathy in Gynaecological disorders, Dermatological disorders, Rheumatological disorders and Common diseases of children.	RRI (H), Guwahati	23 <sup>rd</sup> – 24 <sup>th</sup> Sept., 2013	42	4 Resource persons	4 Delegates
8.	Recent Advances & Trends in Homoeopathic Research	RRI(H), Gudivada	19 <sup>th</sup> & 20 <sup>th</sup> March, 2014	150	4 Resource persons	8 Delegates

## PARTICIPATION OF CCRH SCIENTISTS IN THE WORKSHOP/TRAININGS

Table 13.2

Sl. No.	EVENTS	Venue	Date	PARTICIPANTS FROM CCRH AS RESOURCE PERSONS	PARTICIPANTS FROM CCRH AS DELEGATES
1.	Kent memorial Lectures	New Delhi	14 <sup>th</sup> Sept., 2013	2	4
2.	IIHP seminar (Dr K G Saxena's Birthday Celebrations)(Role of Homoeopathy in Psychosomatic ailments)	New Delhi	10 <sup>th</sup> Nov., 2013		4
3.	International Conference on Global Health Futures, SOUKYA Foundation	Bangalore	13 <sup>th</sup> -15 <sup>th</sup> Nov., 2013		3
4.	12 <sup>th</sup> State Homoeopathic Seminar organized by HMAI (U.P. State Branch)	Greater Noida	16 <sup>th</sup> & 17 <sup>th</sup> Nov., 2013		2
5.	Training for TNA programme sponsored by DoPT, at NATRSS	NATRSS, New Delhi	18 <sup>th</sup> -29 <sup>th</sup> Nov., 2013		2
6.	Oushadha Keralam 2013 -The National Buyer-Seller Meet on Medicinal Plants	Kerala	20 <sup>th</sup> -24 <sup>th</sup> Nov., 2013		2
7.	Training Need Analysis (TNA) of Admn./Accounts section of CRI (H), Noida	CRI (H), Noida	5 <sup>th</sup> -6 <sup>th</sup> Dec., 2013	2	
8.	SOUKYA foundation workshop on protocol preparation	Bangalore	15 <sup>th</sup> Dec., 2013	2	
9.	Workshop on hospital administration at Noida	Noida	21 <sup>st</sup> -22 <sup>nd</sup> Dec., 2013		1
10.	XVIII All India Scientific Seminar	Jammu	28 <sup>th</sup> -29 <sup>th</sup> Dec'2013	2	
11.	The International Conference & exhibition on Pharmacognosy, Phytochemistry and Natural Products	Hyderabad	21 <sup>st</sup> -23 <sup>rd</sup> Oct., 2013	3	2

## HEALTH MELAS AND EXHIBITIONS

The Council has participated in the following Health Melas and Exhibitions during the year 2013 -14:

**Table 14.1**

Sl. No.	Heath Mela/ Exhibition	Venue	Date
1.	AROGYA FAIR, Sikkim	Palzor Stadium, Gangtok East, Sikkim	5 <sup>th</sup> - 8 <sup>th</sup> April, 2013
2.	First International Indian Pharmaceuticals and Healthcare Expo(IPHEX), Mumbai	Mumbai	24 <sup>th</sup> - 26 <sup>th</sup> April, 2013
3.	National Arogya Fair, Chandigarh	Parade Ground, Sector-17, Chandigarh	10 <sup>th</sup> - 13 <sup>th</sup> May, 2013
4.	Medical Camp, Hyderabad	Jupiter Mission High School, Osman bagh, Hyderabad	15 <sup>th</sup> May, 2013
5.	National conference : Medical & wellness tourism in India, New Delhi	PHD House, 4/2, Institutional area, August Kranti Marg, New Delhi	26 <sup>th</sup> July, 2013
6.	FICCI heal 2013 - Sustainable quality healthcare	FICCI, New Delhi	2 <sup>nd</sup> - 3 <sup>rd</sup> September, 2013
7.	5 <sup>th</sup> Dil ka Darbar	Constitution Club of India, Rafi Marg, New Delhi	29 <sup>th</sup> September, 2013
8.	State Arogya Fair, Hoshiarpur	Gardhiwal, Distt. Hosiarpur, Punjab	5 <sup>th</sup> - 6 <sup>th</sup> October, 2013
9.	20 <sup>th</sup> MTNL Perfect Health Mela, 2013	Conventional Hall, Rafi Marg, New Delhi	23 <sup>rd</sup> - 27 <sup>th</sup> October, 2013
10.	Arogya Fair, Lucknow	Reid hall ground, Christian College of Physical Education, Gopalganj, Lucknow	25 <sup>th</sup> - 28 <sup>th</sup> October, 2013
11.	India International Trade Fair, 2013	Pragati Maidan, New Delhi	14 <sup>th</sup> - 27 <sup>th</sup> November, 2013
12.	National Arogya Fair, Jammu	Parade Ground, Jammu	21 <sup>st</sup> - 24 <sup>th</sup> December, 2013
13.	Extended Jammu Fair, Kathua	Govt. Degree College for Women, Kathua, Jammu & Kashmir	28 <sup>th</sup> - 29 <sup>th</sup> December, 2013

Sl. No.	Heath Mela/ Exhibition	Venue	Date
14.	State Arogya Fair, Phagwara	Ramgarihia, Poltechnic Ground, Phagwara, District Kapurthala, Punjab	28 <sup>th</sup> - 29 <sup>th</sup> January, 2014
15.	State Arogya Fair, Gurdaspur	Baba Namdev Government High School (Boys) Ghoman, Distt. Gurdaspur, Punjab	3 <sup>rd</sup> - 4 <sup>th</sup> February, 2014
16.	State Arogya Fair, Fazilka	Fazilka, Punjab	7 <sup>th</sup> - 9 <sup>th</sup> February, 2014
17.	National Arogya Fair, Kolkata	Shahid Minar Ground, Kolkata Maidan, Kolkata, West Bengal	8 <sup>th</sup> - 11 <sup>th</sup> February, 2014
18.	State Level Arogya Fair, Jaipur	B.M. Birla Auditorium, Statue Circle, Jaipur, Rajasthan	28 <sup>th</sup> February to 3 <sup>rd</sup> March, 2014
19.	Kosmetika	ITPO, Hall No. 12, Pragati Maidan, New Delhi	25 <sup>th</sup> - 30 <sup>th</sup> March, 2014

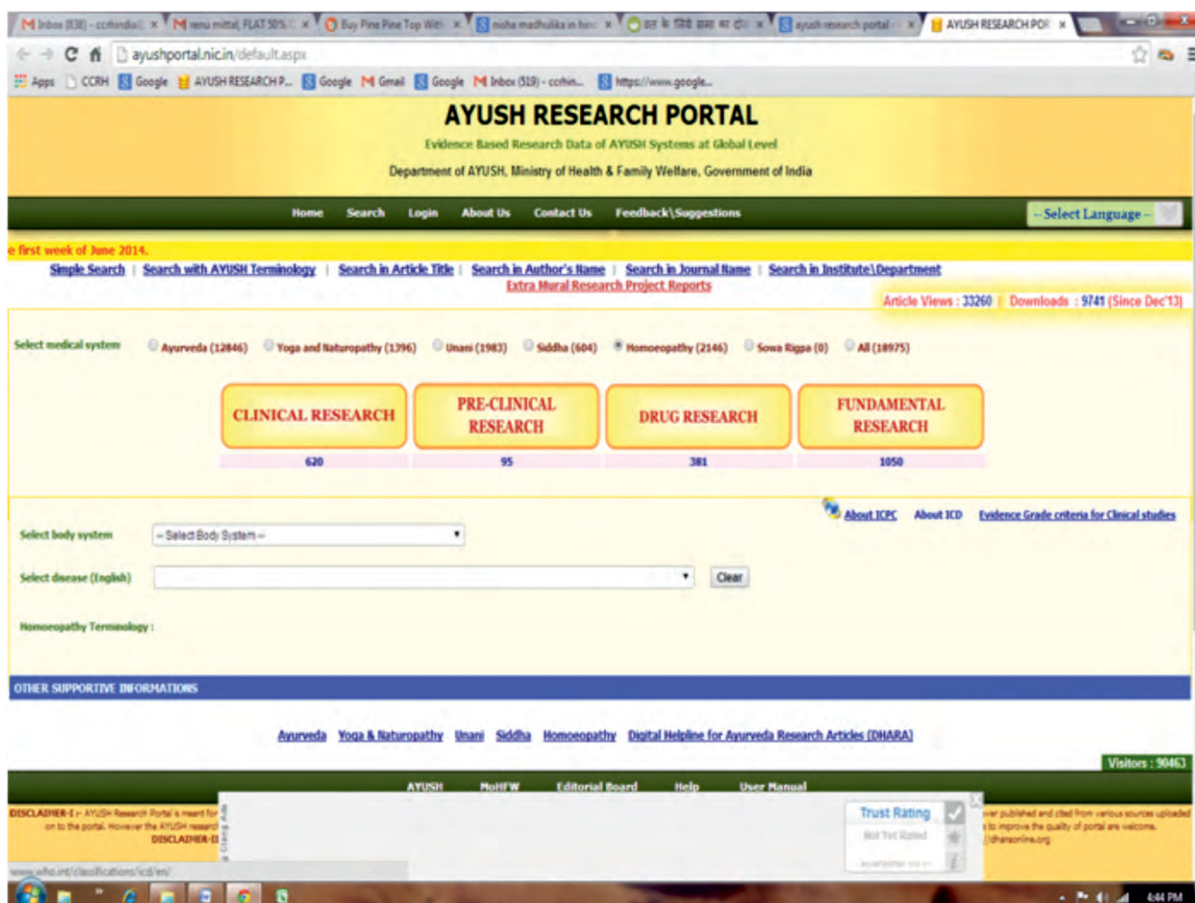
## AYUSH RESEARCH PORTAL

A web portal to showcase important research publications of AYUSH systems has been developed. It aims at providing information about these systems for wider acceptance as well as to encourage inter-disciplinary research.

The information provided is categorized into individual AYUSH medical systems against a standard set of medical conditions, based on WHO disease classification ICD-10 and navigation is according to ICPC's (International Classification of Primary Care) 17 categories. It permits search of research articles with title, authors, scholars, guide, co-guide, designation, department, institution, address, journal, university, abstract, keywords, body system and disease.

Research abstracts of Homoeopathy studies available online (by January 2014)

Clinical research	:	620
Pre-clinical research	:	95
Drug research	:	381
Basic and fundamental research	:	1050



## LIST OF INSTITUTES AND UNITS

Table 15.1

Sl. No.	Full address of the Institutes / Units	Telephone No. & email address
1.	Central Research Institute (H), Sachivothamapuram, Kottayam-686532 (Kerala)	0481-2436322, 2432238 crihktm@gmail.com
2.	Central Research Institute (H), A-1/1, Sector-24, Noida-246747 (U.P.)	0120-2411323 0120-2411324 crihnoida@gmail.com
3.	Homoeopathic Drug Research Institute (H), Campus of National Homoeopathic Medical College & Hospital, 1, Viraj Khand, Gomti Nagar, Lucknow-226010 (U.P.)	0522-2301030 hdri_lko@yahoo.com, hdri2010@gmail.com
4.	Regional Research Institute (H), Sector – 9, Shopping Centre, CBD, Belapur, Navi Mumbai-400614 (Maharashtra)	022-27573154 rrihmumbai@yahoo.co.in rrihmumbai@gmail.com
5.	Regional Research Institute (H), Dr GGH Medical College Campus, Eluru Road, Gudivada-521301 (Andhra Pradesh)	08674-243491 08674-240028 rriugdivada@gmail.com
6.	Regional Research Institute (H), C-12, Lane-1, Sector-1, Below B.C. S. New Shimla-171009 (H.P.)	0177-2670450 0177-2672092 rrihimla@gmail.com
7.	Regional Research Institute (H), CCRH Building, Marchikote Lane, Near Labanikhia Chaak, Puri-752001 (Odisha)	06752-223371 (Office) 06752 - 222711 (OPD) rri_puri@yahoo.co.in rripuri@gmail.com
8.	Regional Research Institute (H), Dr Madan Pratap Khuteta Homoeopathic Medical College, Hospital & Research Centre Station Road, Jaipur-302006 (Rajasthan)	0141-2371763 0141-2364661 rrihjaipur@yahoo.co.in, rrihjaipur@gmail.com
9.	Regional Research Institute (H), Rabha Bhawan, Kahilipara, Odalbakra, Guwahati-781034, (Assam)	0361-2476202 rrihgua@gmail.com
10.	Regional Research Institute (H), New Checkon Bazar Road, Opp. Tribal Colony, Imphal East District-795001 (Manipur)	0385 – 2457417 rriimphal@gmail.com
11.	Drug Standardisation Unit(H), Osmania University Building, 32, Room No. 4, Vikram Puri, Habsiguda, Hyderabad-500007 (A.P.)	040-27178188 040-27403755 drpsdu@gmail.com

Sl. No.	Full address of the Institutes / Units	Telephone No. & email address
12.	Clinical Verification Unit (H), 2nd Floor, S. Guru Govind Singh Hospital, Patna City, Patna – 800008 (Bihar)	0612- 2631952 cvu02patna@gmail.com
13.	Survey of Medicinal Plants and Collection Unit, 3/126, Indira Nagar, Emerald The Nilgiri Distt. - 643209, (Tamil Nadu)	0423 - 2595184 smpcuemerald@gmail.com
14.	Clinical Research Unit (H), Old Maternity Hospital Campus, Tirupati - 517507. (A.P.)	0877-2230466 crutpt@yahoo.co.in crutpt@gmail.com
15.	Clinical Research Unit (H), B-32, 3 Cross Street, A.G.S. Colony (Sea Side) Kottivakkam, Chennai - 600041 (Tamil Nadu)	044-24511821 cruchennai@yahoo.co.in cruchennai@gmail.com
16.	Clinical Research Unit (T) Arsunday, Boreya Road, P.O. Boreya, Ranchi - 835240 (Jharkhand)	0651-2450986 cru ranchi@rediffmail.com
17.	Clinical Research Unit (H), M.B. 31, Middle Point, Mahatma Gandhi Road, Port-Blair - 744101 (A&N)	03192-233073 cruhportblair@yahoo.com cruhportblair@gmail.com
18.	Clinical Research Unit (H) Gokhel Road, Arabindapally, Darjeeling Siliguri – 734 006, (West Bengal)	0353-2596065 cruslg@gmail.com
19.	Clinical Research Unit (T) Development Area, Gangtok - 737101(Sikkim)	03592-220250 crugangtok@gmail.com
20.	Clinical Research Unit (T) Dhankheti, Near Law College, Shillong -793001 (Meghalaya)	0364-2504091 Dr crushillong@rediffmail.com shillongcru@gmail.com
21.	Clinical Research Unit (T) 1/4, Main Road, Colonel Chowmuhani, Krishnanagar, Agartala-799001 Tripura (West)	0381-2309877 cru_agartala@yahoo.com
22.	Clinical Research Unit (H) No. 13, 1st Cross, Mangalakshmi Nagar, (Behind New Bus Stand), Seram Post, Puducherry-605013	0413-2206879 cru_homoeo_pdy@hotmail.com cruh puducherry@gmail.com
23.	Clinical Research Unit (T) C/o. Mr. M. Imti AO, House No. 408, A.D.C., Court Junction, Duncan Colony, Dimapur-797113 (Nagaland)	0386-2248151 cru dmp@rediffmail.com
24.	Clinical Research Unit (H), Dept. of AYUSH, Civil Hospital, Aizwal-796001 (Mizoram)	08794903395 tejaswini74@gmail.com
25.	Dr Anjali Chatterjee Regional Research Institute (H), 50, Rajendra Chatterjee Road, Kolkata-700035 (W.B.)	033-25100868, 033-25100861 anjaliirrikolkata@gmail.com

Table 15.2 : Extension Centers

Sl. No.	Full address of the Institutes / Units	Telephone No. & email address
1.	Extension Clinical Research Unit of Drug Standardisation Unit, Princess Durru Shehvar Children's & General Hospital, Purani Haveli, Hyderabad-500002 (A.P.)	040-24567754 extncruhyd@yahoo.com extncruhyd@gmail.com
2.	Extension Research Centre (H), Dr. Abhin Chandra Homoeopathic Medical College & Hospital, Unit - III, Kharavela Nagar, Bhubaneswar-751001 (Odisha)	0674-2391390 podpu.in@rediffmail.com dpu.bbr@gmail.com
3.	Extension Centre of Clinical Research Unit (H), Port Blair at CHC, Diglipur (Andaman & Nicobar Islands)	
4.	Extension Centre of HDRI, Lucknow Clinical Trial Unit (H) for Homoeopathy on Viral Encephalitis Private Ward Room No. 10 & 11, B. R.D. Medical College, Gorakhpur- 273013 (Uttar Pradesh)	0551-2500473 ctuhgkp2012@gmai.com

Table 15.3 : Homoeopathic OPDs

Sl. No.	Full address of the Institutes / Units	Telephone No. & email address
1.	Homoeopathic Treatment Centre, Room No. 139 & 140, 1st Floor, New Building, Safdarjung Hospital, New Delhi -110016	011-26197986 011-26163072 htc_sjh@yahoo.co.in
2.	Homoeopathic Out Patient Department, Lady Hardinge Medical College & Hospital, Near Emergency of Smt. Sucheta Kriplani Hospital, Panchkuian Road, Cannought Place, New Delhi-110001	anngul@yahoo.com
3.	Homoeopathic OPD at Delhi Cantonment Hospital, Sadar Bazar, Delhi Cantt., New Delhi-110010	9968501805
4.	Homoeopathic OPD at Vinobha Niketan, P.O. Nedumangadu, Thiruvananthapuram, Kerala	

# FINANCIAL STATEMENTS (ACCOUNTS)





Form of Financial Statements (Non -Profit Organisation)  
Name of Entity : Central Council for Research in Homoeopathy.

**BALANCE SHEET AS AT 31st MARCH, 2014**

(Figure in Rupees)

Liabilities	Schedule/ Annexure	Current year 2013-2014	Previous year 2012-2013
Capital Fund	1	1,155,829,409.00	798,015,636.00
Current Liabilities	7	381,355.00	324,226.00
G.P.F. Account	Annexure - I (Part - II)	195,751,560.00	181,499,693.00
Pension Fund Account	Annexure - II (Part - II)	3,535,688.00	31,393,781.00
New Pension Scheme	Annexure - III (Part - II)	19,993.00	474,559.00
<b>TOTAL</b>		<b>1,355,518,005.00</b>	<b>1,011,707,895.00</b>

  
Accounts Officer  
C.C.R.H., New Delhi

  
Asstt. Director (Admn.)  
C.C.R.H., New Delhi

  
Director General  
C.C.R.H., New Delhi

**FINANCIAL STATEMENTS (ACCOUNTS)**

Form of Financial Statements (Non-Profit Organisation)  
Name of Entity : Central Council for Research in Homoeopathy.

**BALANCE SHEET AS AT 31st MARCH, 2014**

(Figure in Rupees)

Assets	Schedule/ Annexure	Current year 2013-2014	Previous year 2012-2013
Fixed Assets	8	206,188,116.00	137,581,854.00
Current Assets	11	950,022,648.00	660,758,008.00
G.P.F. Account	Annexure - I (Part - II)	195,751,560.00	181,499,693.00
Pension Fund Account	Annexure - II (Part - II)	3,535,688.00	31,393,781.00
New Pension Scheme	Annexure - III (Part - II)	19,993.00	474,559.00
<b>TOTAL</b>		<b>1,355,518,005.00</b>	<b>1,011,707,895.00</b>

  
Accounts Officer  
C.C.R.H., New Delhi

  
Asstt. Director (Admn.)  
C.C.R.H., New Delhi

  
Director General  
C.C.R.H., New Delhi

Form of Financial Statements (Non-Profit Organisation)  
Name of Entity: Central Council For Research in Homoeopathy.  
Schedule forming part of Balance Sheet as at 31st March., 2014

(Figure in Rupees)

<b>SCHEDULE - 1 - CAPITAL FUND</b>	<b>Amount</b>	<b>Current year 2013-2014</b>	<b>Previous year 2012-2013</b>
Opening Balance	257,122,673.00		
Add: Assets Created during the year	95,477,634.00		
	352,600,307.00	352,600,307.00	257,122,673.00
Excess of Income Over Expenditure			
Opening Balance	540,892,963.00		
Add: Excess of Income over Expenditure	262,336,139.00		
	803,229,102.00	803,229,102.00	540,892,963.00
<b>TOTAL</b>		<b>1,155,829,409.00</b>	<b>798,015,636.00</b>

<b>SCHEDULE - 7 - CURRENT LIABILITIES</b>	<b>Amount</b>	<b>Current year 2013-2014</b>	<b>Previous year 2012-2013</b>
<b>FULL &amp; FINAL SETTLEMENT OF GIS FUND</b>			
Opening Balance	5,676.00		
Add: Received during the year	758,370.00		
	764,046.00		
Less: Paid during the year	758,370.00	5,676.00	5,676.00
<b>EARNEST MONEY</b>			
Opening Balance	318,550.00		
Add: Received during the year	137,000.00		
	455,550.00		
Less: Refunded during the year	80,000.00	375,550.00	318,550.00
Employees Contribution towards New Pension Scheme			
Opening Balance	-		
Add: Recovered during the year	3,577,900.00		
Less: Transferred during the year	3,577,771.00	129.00	-
<b>TOTAL</b>		<b>381,355.00</b>	<b>324,226.00</b>

  
Accounts Officer  
C.C.R.H., New Delhi

  
Asstt. Director (Admn.)  
C.C.R.H., New Delhi

  
Director General  
C.C.R.H., New Delhi

**FINANCIAL STATEMENTS (ACCOUNTS)**

## FINANCIAL STATEMENTS (ACCOUNTS)

FINANCIAL STATEMENTS (NON-PROFIT ORGANISATION)  
Name of Entity: Central Council for Research in Homoeopathy, Janak Puri, New Delhi.  
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31st MARCH 14

(Figure in Rupees)

S. No.	Particulars	GROSS BLOCK			DEPRECIATION			NET BLOCK			
		Cost/Valuation as at beginning of the year	Addition during the year	Deduction during the year	Cost/Valuation at the year end	As at the beginning of the year	On addition during the year	On deduction during the year	Total up to the year end	As at the current year	As at the previous year end
1	Leasehold land at NOIDA & Mumbai	7,261,634.00			7,261,634.00	-				7,261,634.00	7,261,634.00
2	Donated Bldg. at Puri & Kol.	2,171,041.00			2,171,041.00	996,573.00	117,447.00	-	1,114,020.00	1,057,021.00	1,174,468.00
3	Bldg. & boundary at Koftayam, NOIDA & Ooty	108,501,119.00	86,027,930.00		194,529,049.00	20,264,647.00	14,384,009.00	-	34,648,656.00	159,880,393.00	88,236,472.00
4	Office Equip.	31,870,286.00	2,814,492.00	642,427.00	34,042,351.00	16,665,059.00	3,155,738.00	448,375.00	19,372,422.00	14,669,929.00	15,205,227.00
5	Vehicle	3,778,496.00	-		3,778,496.00	2,739,037.00	155,919.00		2,894,956.00	883,540.00	1,039,459.00
6	Furniture & Fixture	26,360,241.00	1,849,685.00	56,161.00	28,153,765.00	11,535,848.00	1,668,451.00	45,191.00	13,159,108.00	14,994,657.00	14,824,393.00
7	Computer & Peripheral	37,903,250.00	1,355,586.00	49,575.00	39,209,261.00	32,194,301.00	4,082,829.00	49,553.00	36,227,577.00	2,981,684.00	5,708,949.00
8	Elect. Install.	573,777.00	1,630,128.00	-	2,203,905.00	306,300.00	539,237.00	-	845,537.00	1,358,368.00	267,477.00
9	Library Books	6,038,425.00	398,066.00	-	6,436,491.00	6,038,425.00	398,066.00	-	6,436,491.00	-	-
10	Tubewell & Water Pipe	739,397.00	139,800.00	-	879,197.00	139,143.00	104,727.00	-	243,870.00	635,327.00	600,254.00
11	Lab. Equip.	31,677,320.00	1,261,947.00	880,853.00	32,058,414.00	28,413,799.00	2,010,373.00	831,321.00	29,592,851.00	2,465,563.00	3,263,521.00
	<b>TOTAL</b>	<b>256,874,986.00</b>	<b>95,477,634.00</b>	<b>1,629,016.00</b>	<b>350,723,604.00</b>	<b>119,293,132.00</b>	<b>26,616,796.00</b>	<b>1,374,440.00</b>	<b>144,535,488.00</b>	<b>206,188,116.00</b>	<b>137,581,854.00</b>

  
Asstt. Director (Admn.)  
C.C.R.H., New Delhi

  
Director General  
C.C.R.H., New Delhi

  
Accounts Officer  
C.C.R.H., New Delhi

Form of Financial Statements (Non Profit Organization)  
 Name of Entity: Central Council For Research in Homoeopathy,  
 Schedule forming part of Balance Sheet as at 31st March, 2014

(Figure in Rupees)

<b>SCHEDULE - 11 - CURRENT ASSETS</b>	<b>Amount</b>	<b>Current year 2013-2014</b>	<b>Previous year 2012-2013</b>
<b>Bank Balance</b>			
Council's	198,918,643.00		
U.C.L.A.	198,918,643.00		
Internet Banking Account ( Income Tax )	6,298.00		
Internet Banking Account ( Publication )	1,000.00		
	198,925,941.00	198,925,941.00	20,308,300.00
<b>Loan &amp; Advances to Employees</b>			
Computer Advance	952,019.00		
Scooter Advance	158,934.00		
Car Advance	368,637.00		
Festival Advance	234,840.00		
Pay Advance	22,766.00		
House Building Advance	648,418.00		
	2,385,614.00	2,385,614.00	2,633,482.00
<b>Other Advances to Units/Institutes</b>			
Contingent Advance	99,631,439.00		
T.A. Advance	175,000.00		
L.T.C. Advance	215,885.00		
	100,022,324.00	100,022,324.00	72,986,746.00
<b>Advance for Work in Progress</b>			
		629,720,901.00	545,228,620.00
<b>Salary</b>			
Opening Balance	12,329,492.00		
Less: Adjusted	12,329,492.00		
	-		
Add : Paid during the year	7,437,650.00		
PLAN	4,393,491.00	11,831,141.00	12,329,492.00
NON-PLAN			

## FINANCIAL STATEMENTS (ACCOUNTS)

<b>SCHEDULE - 11 - Continued</b>			
Imprest Advance			
Opening Balance	298,043.00		
Add: Granted during the year	-		
	298,043.00	288,043.00	298,043.00
Less: Adjusted during the year	10,000.00		
Security Deposit -			
Opening Balance	124,845.00		
Add: Granted during the year	73,840.00		
	198,685.00	198,685.00	124,845.00
Less: Received back	-		
Amount recoverable from Staff on account of G.I.S.			
Opening Balance	2,824.00		
Add: Paid during the year	559,550.00		
	562,374.00		
Less: Recovered during the year	561,000.00	1,374.00	2,824.00
Amount recoverable from Staff on account of Individual L.I.C..			
Opening Balance	-		
Add: Recovered during the year	294,705.00		
	294,705.00		
Less: Paid during the year	294,705.00	-	-
Priced Publications			
Opening Balance	6,845,656.00		
Add: Printed during the year	445,982.00		
	7,291,638.00		
Less: Sold during the year ( Pub. Rs. 345128 + Journals Rs. 297885 )	643,013.00	6,648,625.00	6,845,656.00
<b>TOTAL</b>		<b>950,022,648.00</b>	<b>660,758,008.00</b>

  
Accounts Officer  
C.C.R.H., New Delhi

  
Asstt. Director (Admn.)  
C.C.R.H., New Delhi

  
Director General  
C.C.R.H., New Delhi

Form of Financial Sdtatements (Non-Profit Organisation)  
Name of Entity: Central Council for Research in Homoeopathy.

**INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31st March, 2014.**

(Figure in Rupees )

INCOME		Schedule	Current year 2013-2014	Previous year 2012-2013
<b>Grants/Subsidies</b>				
Plan	620,000,000.00			
Non-Plan	167,378,200.00			
<b>Total</b>	<b>787,378,200.00</b>	13		
Less Capitalised	95,477,634.00	8		
	691,900,566.00		691,900,566.00	672,666,725.00
			-	-
Interest Earned		17	23,155,608.00	7,586,402.00
Other Income		18	641,045.00	5,942,133.00
<b>Total</b>			<b>715,697,219.00</b>	<b>686,195,260.00</b>

  
Accounts Officer  
C.C.R.H., New Delhi

  
Asstt. Director (Admn.)  
C.C.R.H., New Delhi

  
Director General  
C.C.R.H., New Delhi

## FINANCIAL STATEMENTS (ACCOUNTS)

Form of Financial Statements (Non-Profit Organisation)  
Name of Entity: Central Council for Research in Homoeopathy.  
**INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31st March, 2014.**

(Figure in Rupees )

EXPENDITURE	Schedule	Current year 2013-2014	Previous year 2012-2013
<b>Establishment Expenditure</b>			
PLAN			
General Area Plan	20		
Spl. Comp. Plan	20		
Tribal Area Plan	20		
Total Plan			
NON-PLAN	20 (A)	283,218,228.00	289,648,952.00
<b>Other Administrative Expenditure</b>			
PLAN			
General Area Plan &	21		
Med. Edu. Trg. ( NER )	21	82,226,609.00	
Spl. Comp. Plan	21	5,101,403.00	
Tribal Area Plan	21	2,296,174.00	
Total Plan		2,103,652.00	
NON-PLAN	21 (A)	91,727,838.00	
		48,135,315.00	155,250,566.00
		139,863,153.00	
<b>Expenditure ( against International Conference )</b>	Ann. - C		6,426,939.00
<b>Exp. Against GIA received from Rashtriya Ayurveda Vidyapeeth</b>	Ann. - C		301,936.00
<b>Employer Contribution ( New Pension Scheme )</b>		3,577,771.00	3,056,277.00
<b>Interest on New Pension Scheme</b>		-	26,256.00
<b>Interest paid on GIA</b>		-	75,000.00
<b>Unspent Amount refund to AYUSH by RRI Kolkata through RAV</b>		-	18,064.00
<b>Loss: on auctioned items</b>		85,132.00	-
<b>Depreciation</b>		26,616,796.00	22,294,146.00
<b>Excess of Income over Expenditure*</b>		262,336,139.00	209,097,424.00
<b>Total</b>		<b>715,697,219.00</b>	<b>686,195,560.00</b>
Significant Accounts Policy	24		

\* To the extent the expenditure on account of advances not routed through Income & Expenditure Account.

  
Accounts Officer  
C.C.R.H., New Delhi

  
Asstt. Director (Admn.)  
C.C.R.H., New Delhi

  
Director General  
C.C.R.H., New Delhi

Form of Financial Statements (Non-Profit Organization)  
 Name of Entity : Central Council for Research in Homoeopathy  
 Schedule forming part of Income & Expenditure Account as at 31.03.2014

(Figure in Rupees)

<b>SCHEDULE - 13 - GRANTS/SUBSIDIES</b>	<b>Current year 2013-2014</b>	<b>Previous year 2012-2013</b>
Central Government		
Plan		
General Area Plan	270,000,000.00	
General Area Plan ( Capital Work )	260,000,000.00	
Spl. Comp. Plan for Sch. Caste	30,000,000.00	
Tribal Area Plan	20,000,000.00	
Medical Edu. Research ( NER )	40,000,000.00	
	620,000,000.00	
Non-Plan	167,378,200.00	
	787,378,200.00	190,810,000.00
Grant in aid for International Conference		6,400,000.00
<b>TOTAL</b>	<b>787,378,200.00</b>	<b>197,210,000.00</b>

<b>SCHEDULE -17 - INTEREST EARNED</b>	<b>Current year 2013-2014</b>	<b>Previous year 2012-2013</b>
Saving Bank Account With State Bank of India	22,752,102.00	7,083,485.00
On Internet Banking Account	2,804.00	5,078.00
On Interest bearing loan to employees.	400,702.00	497,839.00
<b>TOTAL</b>	<b>23,155,608.00</b>	<b>7,586,402.00</b>

  
 Accounts Officer  
 C.C.R.H., New Delhi

  
 Asstt. Director (Admn.)  
 C.C.R.H., New Delhi

  
 Director General  
 C.C.R.H., New Delhi

**FINANCIAL STATEMENTS (ACCOUNTS)**

Form of Financial Statements (Non-Profit Organization)  
 Name of Entity : Central Council for Research in Homoeopathy  
 Schedule forming part of Income & Expenditure Account as at 31.03.2014

(Figure in Rupees)

<b>SCHEDULE -18 - OTHER INCOME</b>	<b>Plan</b>	<b>Non-Plan</b>	<b>Current year 2013-2014</b>	<b>Previous year 2012-2013</b>
Royalty	36,000.00			
Staff Car use charges		2,800.00		
Sale of Plants		63,830.00		93,930.00
Fee for R.T.I.	880.00			1,009.00
C.G.H.S. Recovery	489,350.00			340,925.00
Receipt against Journals not subscribed by the party				47,493.00
Profit on sale of auctioned items				36,869.00
Misc. Receipts	526,230.00	66,630.00	592,860.00	
Cost of I. Card	350.00			
Unidentified amount	967.11			
NPS (CC) from Mrs. Meena Rani Singh	3,927.00			
House Building Account Closed				
Sale of Tender Form	6,000.00			
Rent received from Vender CRI (H), NOIDA	23,600.00			
Receipt as Complementary Books ( 2839+1412 )				
Sale of Old (Raddi papers & other items)	13,341.00			
<b>Total</b>	<b>48,185.11</b>	<b>-</b>	<b>48,185.11</b>	<b>5,421,907.00</b>
<b>TOTAL</b>			<b>641,045.11</b>	<b>5,942,133.00</b>
<b>Say Rs.</b>			<b>641,045.00</b>	<b>5,942,133.00</b>

  
 Accounts Officer  
 C.C.R.H., New Delhi

  
 Asstt. Director (Admn.)  
 C.C.R.H., New Delhi

  
 Director General  
 C.C.R.H., New Delhi

Form of Financial Statements (Non-Profit Organization)  
 Name of Entity : Central Council for Research in Homoeopathy  
 Schedule under General Area Plan, Spl. Comp. Plan for Sch. Caste and Tribal Area Plan.  
 Forming part of Income & Expenditure Account as at 31.03.2014

(Figure in Rupees)

SCHEDULE - 20 ESTABLISHMENT EXPENSES	Current year 2013-2014			Previous year 2012-2013		
	GAP	SCPSC	TAP	GAP	SCPSC	TAP
Salaries	57,464,503.00	7,044,519.00	5,468,218.00	66,775,050.00	9,087,648.00	7,240,599.00
Allowances & Bonus	66,213,054.00	8,799,538.00	6,560,956.00	60,201,265.00	9,112,008.00	7,788,647.00
Others (Specify)						
Over Time Allowance	41,908.00			24,228.00		
Medical Reimbursement Expenses	2,064,635.00	908,944.00	128,613.00	1,703,613.00		25,395.00
L.T.C. Expenses	1,237,013.00	80,916.00	92,809.00	1,314,919.00	134,053.00	173,631.00
CGHS Payment	353,464.00			1,398,488.00		
LS/PC	462,597.00					
<b>TOTAL</b>	<b>127,837,174.00</b>	<b>16,833,917.00</b>	<b>12,250,596.00</b>	<b>131,417,563.00</b>	<b>18,333,709.00</b>	<b>15,228,272.00</b>

  
 Accounts Officer  
 C.C.R.H., New Delhi

  
 Asstt. Director (Admn.)  
 C.C.R.H., New Delhi

  
 Director General  
 C.C.R.H., New Delhi

**FINANCIAL STATEMENTS (ACCOUNTS)**

Form of Financial Statements (Non-Profit Organization)

Name of Entity : Central Council for Research in Homoeopathy

Schedule under Non-Plan. Forming part of Income &amp; Expenditure Account as at 31.03.2014

(Figure in Rupees)

<b>SCHEDULE-20 (A) - ESTABLISHMENT EXPENSES</b>	<b>Current year 2013-2014</b>	<b>Previous year 2012-2013</b>
Salaries	55,147,172.00	59,685,645.00
Allowances & Bonus	69,670,171.00	63,480,496.00
Others (Specify)		
Over Time Allowance	4,628.00	10,833.00
Medical Reimbursement Expenses	747,373.00	788,324.00
L.T.C. Expenses	727,197.00	704,110.00
<b>TOTAL</b>	<b>126,296,541.00</b>	<b>124,669,408.00</b>

  
Accounts Officer  
C.C.R.H., New Delhi

  
Asstt. Director (Admn.)  
C.C.R.H., New Delhi

  
Director General  
C.C.R.H., New Delhi

Form of Financial Statements (Non-Profit Organization)  
 Name of Entity : Central Council for Research in Homoeopathy  
 Schedule under General Area Plan, Sp. Comp. Plan for Sch. Caste and Tribal Area  
 Plan. Forming part of Income & Expenditure Account as at 31.03.2014

(Figure in Rupees)

SCHEDULE - 21 OTHER ADMINISTRATIVE EXPENSES	Current year 2013-2014			Previous year 2012-2013		
	GAP	SCPSC	TAP	GAP	SCPSC	TAP
Wages	27,430,393.00	530,578.00	1,003,401.00	27,274,514.00	430,990.00	592,879.00
Electricity & Power	3,981,796.00	38,163.00	50,623.00	3,548,443.00	27,567.00	34,858.00
Water Charges	493,370.00	20,879.00		592,183.00	14,797.00	
Insurance	31,998.00			33,232.00		
Repair & Maintenance	5,297,596.00	30,168.00	30,354.00	4,919,613.00	77,889.00	15,683.00
Rent, Rates & Taxes	1,521,228.00	1,055,840.00	422,000.00	1,781,084.00	840,540.00	939,402.00
Vehicle Running & Maintenance	963,367.00			1,016,498.00		
Vehicle Hiring for official purpose	881,649.00			697,081.00		
Postage, Telephone & Commun. Charges	1,076,773.00	57,658.00	80,431.00	940,070.00	54,837.00	68,130.00
Printing & Stationery	3,734,166.00	96,958.00	71,364.00	6,847,125.00	52,870.00	56,596.00
Travelling & Conveyance Expenses	6,245,395.00	235,149.00	262,018.00	10,110,386.00	197,388.00	226,748.00
Travelling Exp. On Foreign Tour	60,184.00			646,105.00		
Exp. on Collaborative Study	9,372,866.00			173,145.00		
Expenses on Seminar and Workshops	3,838,144.00			2,662,341.00		
Subscription Expenses	645,759.00			535,560.00		3,327.00
Expenses on Fees	171,396.00			179,649.00		
Audit Remuneration	56,665.00			83,883.00		
Professional Charges	493,615.00			713,885.00		
Expenditure on Hindi Committee	196,655.00			423,786.00		
Expenditure on Advertisement & Publicity	1,145,265.00			1,167,261.00		2,328.00
Consultant Charges	1,809,539.00	24,000.00		914,884.00	1,750.00	
Expenditure on Investigation	546,263.00	66,154.00		238,787.00	350.00	
Expenditure on Medicine	902,566.00	25,375.00	34,639.00	1,704,327.00	66,665.00	40,933.00
Expenditure on Diet	1,961,982.00			1,828,679.00		
Expenditure on Sundries	2,075,644.00	93,440.00	90,349.00	3,965,894.00	12,579.00	33,994.00
Expenditure on Provers & Consultants	850,245.00			438,930.00		
Exp. on Nat.Comp.on Hom. For Mother & C (Annex. - D)	3,519,913.00			4,374.00		
Exp. On Med. Edu. Training (NER) (Annex. - E)	5,101,403.00			132,005.00		
Miscellaneous Expenditure	2,922,177.00	21,812.00	58,473.00	8,230,958.00	24,462.00	40,436.00
<b>TOTAL:</b>	<b>87,328,012.00</b>	<b>2,296,174.00</b>	<b>2,103,652.00</b>	<b>81,804,682.00</b>	<b>1,802,684.00</b>	<b>2,055,314.00</b>

  
 Accounts Officer  
 C.C.R.H., New Delhi

  
 Asstt. Director (Admn.)  
 C.C.R.H., New Delhi

  
 Director General  
 C.C.R.H., New Delhi

**FINANCIAL STATEMENTS (ACCOUNTS)**


Annexure - D

Form of Financial Statements (Non-Profit Organization)  
 Name of Entity : Central Council for Research in Homoeopathy  
 Schedule under NC for MMCH forming part of Income & Expenditure Account as at 31.03.2014  
 (Figure in Rupees)

ANNEXURE - (A) - EXPENDITURE STATEMENT OF NC for MCCH	Current year 2013-2014	Previous year 2012-2013
<b>Expenditure</b>		
Wages	41,200.00	
T.A. & Conveyance	1,299,171.00	
Miscellaneous Expenditure	813,156.00	
Printing & Stationery	915,281.00	3,065.00
Medicine	395,205.00	
Exp. On Lab. Investigation	32,020.00	
Exp. On Advt. & Publicity	15,380.00	
Audit Remuneration	8,500.00	
Misc. Exp. MCCH - NER		1,309.00
<b>TOTAL</b>	<b>3,519,913.00</b>	<b>4,374.00</b>

  
 Accounts Officer  
 C.C.R.H., New Delhi

  
 Asstt. Director (Admn.)  
 C.C.R.H., New Delhi

  
 Director General  
 C.C.R.H., New Delhi

Annexure - E

Form of Financial Statements (Non-Profit Organization)  
 Name of Entity : Central Council for Research in Homoeopathy  
 Schedule under Medical Education Training (NER) forming part of Income & Expenditure Account as at 31.03.2014  
 ( Figure in Rupees )

<b>ANNEXURE - (B) - EXPENDITURE STATEMENT (Medical Edu. Trg. - North East Region)</b>		
	<b>Current year 2013-2014</b>	<b>Previous year 2012-2013</b>
<b>Expenditure</b>		
Honorarium/Secretarial Assistance	101,500.00	25,000.00
T.A. & Conveyance	1,608,624.00	107,005.00
Miscellaneous Expenditure	970,670.00	
Medicine	139,800.00	
Sundries	15,263.00	
Exp. On Fee	32,400.00	
Printing & Stationery	2,169,445.00	
Repair & Maintenance	33,701.00	
Rent	30,000.00	
<b>TOTAL</b>	<b>5,101,403.00</b>	<b>132,005.00</b>

  
 Accounts Officer  
 C.C.R.H., New Delhi

  
 Asstt. Director (Admn.)  
 C.C.R.H., New Delhi

  
 Director General  
 C.C.R.H., New Delhi

**FINANCIAL STATEMENTS (ACCOUNTS)**

**FINANCIAL STATEMENTS (ACCOUNTS)**

Form of Financial Statements (Non-Profit Organization)

Name of Entity : Central Council for Research in Homoeopathy

Schedule under Non-Plan forming part of Income &amp; Expenditure Account as at 31.03.2014

(Figure in Rupees)

<b>SCHEDULE - 21 (A) - OTHER ADMINISTRATIVE EXPENSES</b>	<b>Current year 2013-2014</b>	<b>Previous year 2012-2013</b>
Wages	7,335,849.00	7,175,137.00
Exp. On Retirement Benefits	32,500,000.00	55,000,000.00
Electricity & Power	529,502.00	437,189.00
Water Charges	15,058.00	23,906.00
Insurance	8,556.00	16,707.00
Repair & Maintenance	307,455.00	416,292.00
Rent, Rates & Taxes	1,234,033.00	1,038,686.00
Vehicle Running & Maintenance	53,263.00	37,663.00
Hiring of Vehicle for official purpose	10,120.00	
Postage, Telephone & Comm. Charges	385,827.00	363,652.00
Printing & Stationery	491,065.00	418,778.00
Travelling & Conveyance Expenses	1,832,843.00	1,743,568.00
Exp.on Lab. Investigations	693,466.00	219,904.00
Expenses on Fees	52,088.00	10,800.00
Expenses on Advt. & Publicity	20,000.00	189,653.00
Exp. On Subscription		375.00
Lease Cess/Rent		178,430.00
Expenditure on Medicines	333,251.00	585,923.00
Expenditure on Diet	110,887.00	141,173.00
Expenditure on Sundries	764,230.00	540,796.00
Consultants	718,250.00	418,500.00
Expenditure on Provers & Consultants	164,300.00	107,660.00
Miscellaneous Expenditure	558,412.00	386,664.00
Professional Charges	16,860.00	136,430.00
<b>TOTAL:</b>	<b>48,135,315.00</b>	<b>69,587,886.00</b>

  
Accounts Officer  
C.C.R.H., New Delhi

  
Asstt. Director (Admn.)  
C.C.R.H., New Delhi

  
Director General  
C.C.R.H., New Delhi

Annexure - C

(Form of Financial Statements (Non-Profit Organization)  
Name of Entity : Central Council for Research in Homoeopathy  
Expenditure Schedule under CME Programme through RAV forming part of  
Income & Expenditure Account as at 31.03.2014

(Figure in Rupees)

<b>ANNEXURE - (C) EXPENDITURE STATEMENT OF CME Programme ( R.A.V.)</b>		
	<b>Current year 2013-2014</b>	<b>Previous year 2012-2013</b>
Allowances		29,000.00
Printing & Stationery		23,357.00
Misc. Exp.		20,445.00
Travelling & Conveyance Allowances		229,134.00
<b>TOTAL</b>	<b>-</b>	<b>301,936.00</b>

Form of Financial Statements (Non-Profit Organization)  
Name of Entity : Central Council for Research in Homoeopathy

Schedule under International Conference forming part of Income & Expenditure Account as at 31.03.2014

(Figure in Rupees)

<b>OTHER EXPENSES OUT OF International Conference</b>		
	<b>Current year 2013-2014</b>	<b>Previous year 2012-2013</b>
Printing & Stationary		942,733.00
Gift Items		369,606.00
Exp. On Inaugural function		400,000.00
Expenditure on Transportation		145,882.00
Misc. Expenditure		2,638,547.00
Exp. On Travelling Allowance		1,929,871.00
<b>TOTAL</b>	<b>-</b>	<b>6,426,639.00</b>

  
Accounts Officer  
C.C.R.H., New Delhi

  
Asstt. Director (Admn.)  
C.C.R.H., New Delhi

  
Director General  
C.C.R.H., New Delhi

**FINANCIAL STATEMENTS (ACCOUNTS)**

## FINANCIAL STATEMENTS (ACCOUNTS)

(Form of Financial Statements (Non-Profit Organization))  
 Name of Entity : Central Council for Research in Homoeopathy  
 (STATEMENT OF LAST YEAR ADVANCES ADJUSTMENT)

(Figure in Rupees)

Head	General Area Plan*	Spl. Comp. Plan Sch. Caste	Tribal Area Plan	TOTAL PLAN	Non-Plan	Adjusted through Bills	Recd. through Cash	Total Adjustment
LTC Expenses	3,330.00			3,330.00	10,800.00	14,130.00	23,345.00	37,475.00
T.A. & Conveyance(GAP + HM)	83,868.00		8,208.00	92,076.00	28,097.00	120,173.00	9,972.00	130,145.00
Medical Expenses								
Exp. On Wages	4,225,553.00			4,225,553.00		109,081,700.00	15,064,581.00	124,146,281.00
Allowances & Bonus								
Elect. & Power								
Expenditure on Seminar								
TA & Conveyance Exp.	2,765,775.00			2,765,775.00	30,300.00			
Repair & Maintenance	1,939,495.00			1,939,495.00	7,500.00			
Water charges								
Vehicle Hiring/Running & Maint.	6,522.00			6,522.00	16,011.00			
Postage & Telephone	24,024.00			24,024.00				
Printing & Stationery	3,339,518.00			3,339,518.00	17,863.00			
Miscellaneous Exp.	7,321,520.00			7,321,520.00	46,739.00			
Rent	30,000.00			30,000.00				
Insurance								
Medicine	656,864.00			656,864.00	1,125.00			
Sundries	311,137.00			311,137.00				
Exp. On Fee	49,900.00			49,900.00	71,414.00			
Exp. On Advt. & Publicity								
Exp. On Diet	10,000.00			10,000.00				
Exp. On Lab. Investigation	39,980.00			39,980.00				
Audit Remuneration	8,500.00			8,500.00				
TOTAL (A)	20,815,986.00	-	8,208.00	20,824,194.00	229,849.00	21,054,043.00	15,097,898.00	124,313,901.00
<b>Assets</b>								
Land & Building	85,474,494.00							
Vehicle/Ambulance								
Furniture	63,153.00							
Computer/Printer	156,174.00							
Lab. Equipments	10,690.00							
Office Equipment	12,240.00				718,794.00			
Elect. Installation	1,586,615.00							
Water Pump Set	139,800.00							
TOTAL B	87,443,166.00	-	-	87,443,166.00	718,794.00			
TOTAL (A) + (B)	108,259,152.00	-	8,208.00	108,267,360.00	948,643.00	109,216,003.00	15,097,898.00	124,313,901.00

\* Please see Annexure F for detail under GAP, MCCH, HIM, MET-NER

  
 Accounts Officer  
 C.C.R.H., New Delhi

  
 Asstt. Director (Admn.)  
 C.C.R.H., New Delhi

  
 Director General  
 C.C.R.H., New Delhi

Annexure - F  
(2013-14)

## (STATEMENT OF LAST YEAR ADVANCES ADJUSTMENT)

Head	General Area Plan	MCCH	MCCH (NER)	Health Meta	Med. Edu. Trg. (NER)	Coll. Study	TOTAL	UCLA
LTC Expenses	3,330.00						3,330.00	
T.A. & Conveyance(GAP + HM)	83,868.00						83,868.00	
Wages Exp.	60,600.00	41,200.00	73,500.00		4,050,253.00		4,225,553.00	
Medical Reimbursement							-	
Elect. & Power							-	
Exp. On Seminar/WS							-	
TA & Conveyance Exp.	365,563.00	1,299,171.00	1,038,640.00	24,800.00		37,601.00	2,765,775.00	
Repair & Maintenance	1,905,794.00		33,701.00				1,939,495.00	
Water charges							-	
Vehicle Hiring	6,522.00						6,522.00	
Postage & Telephone	24,024.00						24,024.00	
Printing & Stationery	300,130.00	915,281.00	2,112,980.00	9,118.00		2,009.00	3,339,518.00	
Miscellaneous Exp.	798,649.00	813,156.00	865,568.00	7,258.00		4,836,889.00	7,321,520.00	
Rent			30,000.00				30,000.00	
Medicine	102,116.00	395,205.00	139,800.00	4,408.00		15,335.00	656,864.00	
Sundries	81,251.00	32,020.00	15,263.00	4,460.00		178,143.00	311,137.00	
Exp. On Fee	17,500.00		32,400.00				49,900.00	
Exp. On Advt. & Publicity							-	
Exp. On Diet						10,000.00	10,000.00	
Lab. Investigation charges	24,600.00	15,380.00					39,980.00	
Audit Remuneration		8,500.00					8,500.00	
<b>TOTAL (A)</b>	<b>3,773,947.00</b>	<b>3,519,913.00</b>	<b>4,341,852.00</b>	<b>50,044.00</b>	<b>-</b>	<b>9,130,230.00</b>	<b>20,815,986.00</b>	<b>-</b>
<b>Assets</b>								
Land & Building	85,474,494.00						85,474,494.00	
Water Pump Set	139,800.00		-				139,800.00	
Furniture	39,098.00		63,153.00				102,251.00	
Computer/Printer			117,076.00				117,076.00	
Lab. Equipments		10,690.00					10,690.00	
Office Equipment			12,240.00				12,240.00	
Elect. Installation	1,586,615.00						1,586,615.00	
<b>TOTAL (B)</b>	<b>87,240,007.00</b>	<b>10,690.00</b>	<b>192,469.00</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>87,443,166.00</b>	<b>-</b>
<b>TOTAL (A) + (B)</b>	<b>91,013,954.00</b>	<b>3,530,603.00</b>	<b>4,534,321.00</b>	<b>50,044.00</b>	<b>-</b>	<b>9,130,230.00</b>	<b>108,259,152.00</b>	<b>-</b>


Accounts Officer  
C.C.R.H., New Delhi

Asstt. Director (Admn.)  
C.C.R.H., New Delhi

Director General  
C.C.R.H., New Delhi

**FINANCIAL STATEMENTS (ACCOUNTS)**

(Form of Financial Statements (Non-Profit Organization)  
Name of Entity : Central Council for Research in Homoeopathy  
STATEMENT OF ADVANCES TO GOVERNMENT SERVANTS

(Fig. in rupees)

Head	Opening Balance	Granted during the year	Total	Adjusted during the year 2013-14	Balance outstanding as on 31.03.2014
Computer Advance	1,044,748.00	300,000.00	1,344,748.00	392,729.00	952,019.00
Scooter Advance	163,428.00	84,000.00	247,428.00	88,494.00	158,934.00
Car Advance	642,153.00	-	642,153.00	273,516.00	368,637.00
Festival Advance	211,965.00	617,250.00	829,215.00	594,375.00	234,840.00
Pay Advance	61,790.00	-	61,790.00	39,024.00	22,766.00
House Building Advance	509,398.00	200,000.00	709,398.00	60,980.00	648,418.00
<b>TOTAL</b>	<b>2,633,482.00</b>	<b>1,201,250.00</b>	<b>3,834,732.00</b>	<b>1,449,118.00</b>	<b>2,385,614.00</b>

  
Accounts Officer  
C.C.R.H., New Delhi

  
Asstt. Director (Admn.)  
C.C.R.H., New Delhi

  
Director General  
C.C.R.H., New Delhi

(FINANCIAL STATEMENTS (NON-PROFIT ORGANISATION)  
 Name of Entity: Central Council For Research in Homoeopathy, Janak Puri, New Delhi  
**SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2014**

**SCHEDULE - 24 SIGNIFICANT ACCOUNTING POLICIES**

**1 Accounting Convention:** The financial statement are prepared on the basis of historical cost convention and on accrual basis.

**2 Inventory Valuation :** Stores ( Including machinery and spares ) are valued at cost.

**3 Fixed Assets :** Fixed assets are stated at cost of acquisition inclusive of taxes, incidental and direct expenses related to acquisition are capitalized at cost.

**4 Depreciation :** Fixed Assets are valued at cost less accumulated depreciation. Depreciation of fixed assets for the year has been provided on the Written down value of assets at the following rates

	<b>Item</b>	<b>Rates</b>
1	Office Equipment	15%
2	Electrical Installation	10%
3	Laboratory/Hospital Equipment	40%
4	Vehicle	15%
5	Furniture & Fixture	10%
6	Computer & Peripherals	60%
7	Books	100%
8	Building	10%
9	Tubewell and Waterpipe	10%

The above rates of depreciation has been adopted from the Income Tax Rules as provided under Income Tax Rules 1962 and approved by competent authority..

Contd. ...

## FINANCIAL STATEMENTS (ACCOUNTS)

Contd. ...

- 5 General Provident Fund :** The Council is maintaining a separate General Provident Fund Account for its employees as per G.P.F. Rule, 1960 at Annexure - I.
- The Receipt and Payment Account and the Balance Sheet for the General Provident Fund Account is attached with the Annual Account of the Council at Annexure - I..
- 6 Retirement Benefits :** Retirement benefits have been met out from the amount transferred from the Grants-in-Aid received from Department of AYUSH and Credited to the Pension Fund Account. A Separate account viz. Pension Fund Account is being maintained by the Council. Receipt and Payment Account and Balance Sheet of Pension Fund Account is attached with the Annual Accounts of the Council at Annexure - II.
- 8 Investment :** Council has not made any investment other than the amount deposited in fixed/ term deposit with the State Bank of India..
- 9 Corpus/Capital Fund :** This represents the accumulated balance of Excess of Income over expenditure mainly, the values of fixed assets acquired from grants-in-aid.
- 10 Contingent liability :** Council has no contingent liability on the Balance sheet date.
- 11 Change of Accounting policies and material effect:** During the year accounts has been prepared in uniform format of accounts, which is applicable to central autonomous bodies, on or after 1.04.2001. Since the new format does not provide place for G.P.F., Pension Fund Account and House Building Account fund, the same has been separated from the financial statement and annexed to this financial statement ( may be seen at Annexure - I, II and III )

Contd. ...

Contd. ...

- 12 The current assets includes cash and bank balances, advances to the employees and Advances to other Units/Institutes etc.
- 13 There are no foreign currency transactions in the year
- 14 Previous year figures have been regrouped wherever necessary.
- 15 Figures have been rounded off to nearest rupees from 2013-2014.

  
Accounts Officer  
C.C.R.H., New Delhi

  
Asstt. Director (Admn.)  
C.C.R.H., New Delhi

  
Director General  
C.C.R.H., New Delhi

**FINANCIAL STATEMENTS (ACCOUNTS)**

## FINANCIAL STATEMENTS (ACCOUNTS)

(Form of Financial Statements (Non-Profit Organisation)  
Name of Entity : Central Council for Research in Homoeopathy.  
**RECEIPTS AND PAYMENTS FOR THE YEAR ENDED ...31.03.2014**

(Figure in Rupees)

RECEIPTS	Current Year 2013-2014	Previous year 2012-2013	PAYMENTS	Current year 2013-2014	Previous year 2012-2013
<b>Opening Balance</b>			<b>Expenses</b>		
a) Bank Balance	19,640,573.00		a) Establishment Expenses		
( Incl. Rec. & Rec.)					
b) Publication	664,233.00		<b>PLAN</b>		
c) UCLA	-		GAP ( State. - A )	128,157,514.00	
	20,304,806.00	3,952,305.00	SCPSC ( State. - A )	16,737,074.00	
d) Internet Banking Account	3,494.00	1,000.00	TAP ( State. - A )	12,347,710.00	
				<b>157,242,298.00</b>	
<b>Grants received</b>			<b>NON-PLAN (St. B)</b>	<b>125,679,334.00</b>	
a) From M.H.F.W., New Delhi				<b>282,921,632.00</b>	291,377,541.00
<b>PLAN</b>			b) Administrative Expenses		
GAP	270,000,000.00		<b>PLAN</b>		
GAP ( Cap. Work )	260,000,000.00		GAP ( State. - C )	301,635,247.00	
SCPSC	30,000,000.00		SCPSC ( State. - C )	2,426,978.00	
TAP	20,000,000.00		TAP ( State. - C )	2,121,973.00	
NER	40,000,000.00			306,184,198.00	
	620,000,000.00		<b>NON-PLAN (St. D)</b>	<b>48,264,917.00</b>	
<b>NON-PLAN</b>	<b>167,378,200.00</b>			<b>354,449,115.00</b>	385,990,853.00
	<b>787,378,200.00</b>	<b>689,410,000.00</b>	<b>Priced Publications</b>		
b) International Conference	-	6,400,000.00	Exp. On International Conference	445,982.00	908,292.00
					6,426,639.00
<b>Interest Received</b>			Exp. CME ( RAV ) ( Annexure - C )		301,936.00
a) On Bank Deposit	22,752,102.00	7,083,485.00	Refund to RAV		18,064.00
b) On Loan & Advances	400,702.00	497,839.00			
c) On I B A/c.	2,804.00	5,078.00			

Contd. ...

Contd. ....

Other Income		Expenditure on Fixed Assets	
a) Misc. Receipts	48,185.00	5,421,907.00	<b>PLAN</b>
b) Receipt against auctioned item	169,444.00	74,734.00	GAP (State. - E ) 6,155,333.00
c) Sale of Priced Publication	345,128.00	1,063,789.00	SCFSC (State. - E ) 13,708.00
d) Sale of Plants	63,830.00	93,930.00	TAP (State. E ) 226,738.00
e) Sale of Old Vehicle	-		International Conference
f) Other Receipts/Journal's Subs.	297,885.00	209,300.00	<b>MET ( NER ) ( St. E )</b>
g) Sale of Trg. Modules (NCHMCC)			6,395,779.00
h) Staff car use			919,895.00
			7,315,674.00
<b>Any other Receipts</b>			<b>NON-PLAN ( St. E )</b>
<b>a) Cash receipts against Adv.</b>			7,315,674.00
i. TA Advance	9,972.00	8,271.00	
ii LTC Advance	23,345.00	12,076.00	<b>Other Payments</b>
iii Contingent Advance	2,532,892.00	1,743,702.00	<b>a) Loans &amp; Advances to Staff</b>
iv GIA/Cont adv. (MET - NER)	5,992,999.00	6,754,860.00	i Car Advance -
v GIA/Cont. adv. (MCCH)	3,812,672.00	917,428.00	ii Scooter Advance 84,000.00
vi GIA/Adv. (Coll. Study)	1,778,689.00	822,085.00	iii Computer Advance 300,000.00
vii Cont. Advance ( Capital Work )	947,329.00		iv H.B.Advance 200,000.00
<b>b) Received from L.I.C. of India towards full &amp; final Settlement</b>	758,370.00	1,041,117.00	
<b>c) Recoveries against Advances</b>			<b>b) Festival Advance</b>
i Festival Advance	594,375.00	537,000.00	617,250.00
ii Scooter Advance	88,494.00	125,242.00	
iii Car Advance	273,516.00	275,170.00	<b>c) Payment made against recoveries</b>
iv Cycle Advance	-		i. Income Tax 26,206,681.00
v. Computer Advance	392,729.00	429,042.00	ii. GPF 47,133,119.00
vi. Pay Advance Rec.	-		iii. GIS Premium 559,550.00
vii. Pay adv. Rec. P/Y	39,024.00		iv. Individual LIC Prem. 294,705.00
ix Tfd. from Pen. Fund to Gen. A/c.	-	7,406.00	v. Deputationist Rec. 636,784.00
	-		vi T & Credit Soc. 992,929.00
	-		vii Tfd. To HBA Fund 906,517.00
	-		viii Remittance of HRA 730,541.00
	-		ix Licence Fee 29,299.00
	-		x LS & PC -
			15,823,921.00

Contd. ....



(Form of Financial Statements (Non-Profit Organization)  
 Name of Entity : Central Council for Research in Homoeopathy  
 Schedule under General Area Plan, Spl. Comp. Plan for Sch. Caste and Tribal Area Plan forming part of Receipt & Payment Account as at 31.03.2014

(Figure in Rupees)

STATEMENT (A) - ESTABLISHMENT EXPENSES	Current year 2013-2014			Previous year 2012-2013		
	GAP	SCP SC	TAP	GAP	SCP SC	TAP
Salaries	57,464,503.00	7,044,519.00	5,468,218.00	66,775,050.00	9,087,648.00	7,240,599.00
Allowances & Bonus	66,213,054.00	8,799,538.00	6,560,956.00	60,201,265.00	9,112,008.00	7,788,647.00
Other (Specify)						
Over Time Allowance	41,908.00			24,228.00		
Medical Reimbursement	2,064,635.00	908,944.00	128,613.00	1,693,613.00		25,395.00
L.T.C. Expenses	1,233,683.00	80,916.00	92,809.00	1,234,624.00	134,053.00	173,631.00
L.T.C. Advance	130,035.00	-	2,250.00	5,000.00	21,675.00	
LS/PC ( Rs. 618077 (-) 155480 )	462,597.00					
CGHS Payment	353,464.00			1,398,488.00		
<b>Total</b>	<b>127,963,879.00</b>	<b>16,833,917.00</b>	<b>12,252,846.00</b>	<b>131,332,268.00</b>	<b>18,355,384.00</b>	<b>15,228,272.00</b>
(-) Outstanding Salary Adjustment	5,616,619.00	975,957.00	653,418.00	4,917,636.00	749,660.00	607,339.00
(+) Outstanding Salary for the year 2013-2014	5,810,254.00	879,114.00	748,282.00	5,616,619.00	975,957.00	653,418.00
	<b>128,157,514.00</b>	<b>16,737,074.00</b>	<b>12,347,710.00</b>	<b>132,031,251.00</b>	<b>18,581,681.00</b>	<b>15,274,351.00</b>

  
 Accounts Officer  
 C.C.R.H., New Delhi

  
 Asstt. Director (Admn.)  
 C.C.R.H., New Delhi

  
 Director General  
 C.C.R.H., New Delhi

**FINANCIAL STATEMENTS (ACCOUNTS)**

(Form of Financial Statements (Non-Profit Organization))

Name of Entity : Central Council for Research in Homoeopathy

Schedule under Non-Plan forming part of Receipt &amp; Payment Account as at 31.03.2014

(Figure in Rupees)

STATEMENT - ( B ) ESTABLISHMENT EXPENSES	Current year 2013-2014	Previous year 2012-2013
Salaries	55,147,172.00	59,685,645.00
Allowances & Bonus	69,670,171.00	63,480,496.00
Others (Specify )		
Over Time Allowance	4,628.00	10,833.00
Medical Reimbursement	747,373.00	788,324.00
Pay Advance		61,790.00
L.T.C. Expenses	716,397.00	627,711.00
L.T.C. Advance	83,600.00	10,800.00
<b>Total</b>	<b>126,369,341.00</b>	<b>124,665,599.00</b>
( - ) Outstanding salary adjustment	5,083,498.00	4,258,839.00
( + ) Outstanding salary of the year 2013-14	4,393,491.00	5,083,498.00
<b>TOTAL</b>	<b>125,679,334.00</b>	<b>125,490,258.00</b>

  
Accounts Officer  
C.C.R.H., New Delhi

  
Asstt. Director (Admn.)  
C.C.R.H., New Delhi


  
Director General  
C.C.R.H., New Delhi

(Form of Financial Statements (Non-Profit Organization)  
 Name of Entity : Central Council for Research in Homoeopathy  
 Schedule under General Area Plan, Spl. Comp. Plan for Sch. Caste and Tribal Area Plan forming  
 part of Receipt & Payment Account as at 31.03.2014

(Figure in Rupees)

STATEMENT - ( C ) -- Other Administrative Expenses etc.	Current year 2013-14			Previous year 2012-2013		
	GAP	SCPSC	TAP	GAP	SCPSC	TAP
Wages	27,369,793.00	530,578.00	1,003,401.00	23,664,895.00	430,990.00	591,179.00
Electricity & Power	3,981,796.00	38,163.00	50,623.00	3,461,954.00	27,567.00	34,858.00
Water Charges	493,370.00	20,879.00		591,433.00	14,797.00	
Insurance	31,998.00	-		33,232.00		
Repair & Maintenance	3,391,802.00	30,168.00	30,354.00	3,716,612.00	77,889.00	15,683.00
Rent, Rates & Taxes	1,521,228.00	1,055,840.00	422,000.00	1,398,894.00	840,540.00	939,402.00
Vehicle Running & Maintenance	963,367.00	-		1,016,498.00		
Vehicle Hiring	875,127.00	-		670,581.00		
Postage, Telephone & Communication Charges	1,052,749.00	57,658.00	80,431.00	929,585.00	54,837.00	68,130.00
Printing & Stationery	3,434,036.00	96,958.00	71,364.00	3,612,267.00	52,870.00	53,951.00
Travelling & Conveyance Expenses	5,795,964.00	235,149.00	253,810.00	3,614,059.00	167,388.00	211,704.00
TA Exp. On foreign Tour	60,184.00	-		646,105.00		
Exp. on Coll. Study ( Cont. 242636 )	242,636.00			173,145.00		
Exp. on HM/Seminar/WS (TA- Rs.309369 + Cont. Rs.3478731 )	3,788,100.00			2,653,241.00		
Subscription Expenses	645,759.00			535,560.00		3,327.00
Expenses on Fees	153,896.00			126,289.00		
Audit Remuneration	56,665.00			55,125.00		
Consultant Exp.	1,809,539.00	24,000.00		914,884.00	1,750.00	
Exp. on Investigation	521,663.00	66,154.00		238,787.00	350.00	
Professional Charges	493,615.00			713,885.00		
Expenses on Advertisement and Publicity	1,145,265.00			1,130,174.00		
Exp. on Hindi Committee (Cont. 196655)	196,655.00			423,786.00		
Exp. on Medical Edu. Training (North East Region) (Annexure - B)	759,551.00			107,005.00		
Exp. on Nat. Comp.on Homo. Mother & Child Care ( Detail in Ann. -A)				4,374.00		
Medicine	800,450.00	25,375.00	34,639.00	735,365.00	66,665.00	38,422.00
Diet	1,961,982.00			1,779,567.00		
Sundries	1,994,393.00	93,440.00	90,349.00	1,931,214.00	12,579.00	33,994.00
Provers	850,245.00			438,930.00		
Miscellaneous Expenses	2,123,528.00	21,812.00	58,473.00	2,403,886.00	24,462.00	35,636.00
T.A. Advance (GAP Rs. 60000+ HM. 40000)	100,000.00			90,000.00		10,000.00
Grant--in-aid/Contingent Adv. For NCHMCC (Detail in Annexure - A)				-		
Contingent Advance ( GAP Rs. 59551108+ 168612 HM )	59,719,720.00	130,804.00	26,529.00	6,476,504.00		2,706,000.00
Advance for Capital Work at CRI (H), NOIDA, Ktm., Gdv. & Kolkata	146,679,019.00			179,993,712.00		
GIA & Cont. Adv. for Collaborative Study	2,659,652.00			5,006,461.00		
Cont adv. & Grant-in-aid for MET (NER) (Annexure - B)	25,961,500.00		-	59,858,000.00		
<b>TOTAL</b>	<b>301,635,247.00</b>	<b>2,426,978.00</b>	<b>2,121,973.00</b>	<b>309,146,009.00</b>	<b>1,772,684.00</b>	<b>4,742,286.00</b>

  
 Accounts Officer  
 C.C.R.H., New Delhi

  
 Asstt. Director (Admn.)  
 C.C.R.H., New Delhi

  
 Director General  
 C.C.R.H., New Delhi

**FINANCIAL STATEMENTS (ACCOUNTS)**

(Form of Financial Statements (Non-Profit Organization)  
Name of Entity : Central Council for Research in Homoeopathy  
Schedule under Non-Plan forming part of Receipt & Payment Account as at 31.03.2014

(Figure in Rupees )

<b>STATEMENT - ( D ) OTHER ADMINISTRATIVE EXPENSES ETC.</b>	<b>Current year 2013-2014</b>	<b>Previous year 2012-2013</b>
Wages	7,335,849.00	7,175,137.00
Electricity & Power	529,502.00	437,189.00
Water Charges	15,058.00	23,906.00
Insurance	8,556.00	16,707.00
Repair & Maintenance	299,955.00	393,992.00
Rent, Rates & Taxes	1,234,033.00	1,038,686.00
Vehicle Running & Maintenance	37,252.00	37,663.00
Postage, Telephone & Communication Charges	385,827.00	363,652.00
Vehicle Hiring	10,120.00	-
Printing & Stationery	473,202.00	413,959.00
Travelling & Conveyance Expenses	1,774,446.00	1,632,248.00
Expenditure on Subscription		375.00
Expenditure on Fees	52,088.00	5,800.00
Professional Charges	16,860.00	136,430.00
Expenses on Advertisement & Publicity	20,000.00	159,559.00
Lease Rent for Ooty		178,430.00
Miscellaneous Expenses	511,673.00	353,101.00
Exp. On Lab. Investigation	693,466.00	219,904.00
Medicine	332,126.00	585,511.00
Diet	110,887.00	141,173.00
Sundries	692,816.00	528,950.00
Provers & Consultants	164,300.00	107,660.00
Consultant	718,250.00	418,500.00
T.A. Advance	75,000.00	30,145.00
Contingent Advance	273,651.00	931,197.00
Exp. On Retirement Benefits	32,500,000.00	55,000,000.00
<b>TOTAL</b>	<b>48,264,917.00</b>	<b>70,329,874.00</b>



Accounts Officer  
C.C.R.H., New Delhi



Asstt. Director (Admn.)  
C.C.R.H., New Delhi



Director General  
C.C.R.H., New Delhi

Annexure - A

(Form of Financial Statements (Non-Profit Organization))


Name of Entity : Central Council for Research in Homoeopathy

Schedule under NC for MMCH forming part of Receipt & Payment Account as at 31.03.2014

(Figure in Rupees)

<b>ANNEXURE - ( A ) - EXPENDITURE STATEMENT OF NC for MCCH</b>		
	<b>Current year 2013-2014</b>	<b>Previous year 2012-2013</b>
<b>Expenditure</b>		
T.A. & Conveyance		
Miscellaneous Expenditure		1,309.00
TA Exp. MCCH (NER)		
Cont. Exp. On Printing & Stationary		3,065.00
<b>TOTAL</b>	<b>-</b>	<b>4,374.00</b>
<b>Advances</b>		
Grant-in-aid for NC for Mother and Child Care		
Contingent advance		
<b>TOTAL</b>	<b>-</b>	<b>-</b>
<b>TOTAL</b>	<b>-</b>	<b>4,374.00</b>

  
Accounts Officer  
C.C.R.H., New Delhi

  
Asstt. Director (Admn.)  
C.C.R.H., New Delhi

  
Director General  
C.C.R.H., New Delhi

**FINANCIAL STATEMENTS (ACCOUNTS)**

Annexure - B

(Form of Financial Statements (Non-Profit Organization))

Name of Entity : Central Council for Research in Homoeopathy

Schedule under Medical Education Training (NER) forming part of Receipt &amp; Payment Account as at 31.03.2014

(Figure in Rupees)

<b>ANNEXURE - ( B ) - EXPENDITURE STATEMENT (Medical Edu. Trg. - North East Region)</b>		
	<b>Current year 2013-2014</b>	<b>Previous year 2012-2013</b>
<b>Expenditure</b>		
Honorarium	28,000.00	
T.A. & Conveyance	569,984.00	107,005.00
Miscellaneous Expenditure	105,102.00	-
Printing & Stationery	56,465.00	-
<b>TOTAL</b>	<b>759,551.00</b>	<b>107,005.00</b>
<b>Advances</b>		
Grant-in-aid		
Contingent advance		25,000.00
Contingent advance ( Capital Work)	25,961,500.00	59,833,000.00
<b>TOTAL</b>	<b>25,961,500.00</b>	<b>59,858,000.00</b>
<b>TOTAL</b>	<b>26,721,051.00</b>	<b>59,965,005.00</b>



Accounts Officer  
C.C.R.H., New Delhi



Asstt. Director (Admn.)  
C.C.R.H., New Delhi



Director General  
C.C.R.H., New Delhi

Annexure - C

(Form of Financial Statements (Non-Profit Organization))

Name of Entity : Central Council for Research in Homoeopathy

Expenditure Schedule under W.H.O. forming part of Receipt & Payment Account as at 31.03.2014

(Figure in Rupees)

<b>ANNEXURE - ( C ) EXPENDITURE STATEMENT OF CME Programme (R.A.V.)</b>		<b>Previous year 2012-2013</b>
	<b>Current year 2013-2014</b>	
Allowances		29,000.00
Perinting & Stationery		23,357.00
Misc. Exp.		20,445.00
Travelling & Conveyance Allowances		229,134.00
<b>TOTAL</b>	<b>-</b>	<b>301,936.00</b>



Accounts Officer  
C.C.R.H., New Delhi



Asstt. Director (Admn.)  
C.C.R.H., New Delhi



Director General  
C.C.R.H., New Delhi

**FINANCIAL STATEMENTS (ACCOUNTS)**

(Form of Financial Statements (Non-Profit Organization)  
Name of Entity : Central Council for Research in Homoeopathy  
Expenditure Schedule under International Conference forming  
part of Receipt & Payment Account as at 31.03.2014

(Figure in Rupees)

<b>ANNEXURE - ( C ) EXPENDITURE STATEMENT OF International Conference</b>	<b>Current year 2013-2014</b>	<b>Previous year 2012-2013</b>
Printing & Stationery		942,733.00
Gift Items		369,606.00
For Exp. On Inauguration function		400,000.00
Expenditure on Transportation		145,882.00
Misc. Exp.		2,638,547.00
Exp.on Travelling Allowance		1,929,871.00
<b>TOTAL</b>	<b>-</b>	<b>6,426,639.00</b>

  
Accounts Officer  
C.C.R.H., New Delhi

  
Asstt. Director (Admn.)  
C.C.R.H., New Delhi

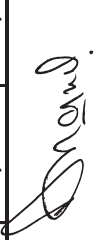
  
Director General  
C.C.R.H., New Delhi

(Form of Financial Statements (Non-Profit Organization)  
 Name of Entity : Central Council for Research in Homoeopathy  
 Schedule under G.A.P, S.C.P for SC., T.A.P., N.P. forming part of Receipt & Payment as at 31.03.2014

(Figure in Rupees)

STATEMENT ( E ) - ASSETS CREATED DURING THE YEAR 2013-2014						
Head	General Area Plan	Spl. Comp. Plan for SC	Tribal Area Plan	Total Plan	Non-Plan	MET (NER)
<b>Land &amp; Building</b>	553,436.00			553,436.00		
<b>Laboratory Equipment</b>	973,782.00		215,000.00	1,188,782.00	62,475.00	
<b>Furniture &amp; Fixture</b>						
Cabinet/Racks	211,462.00			211,462.00	56,180.00	
Table/Chair	704,223.00	13,708.00	8,059.00	725,990.00	98,770.00	
Wooden Partition/Sign Board	205,148.00			205,148.00	99,887.00	
Hosp. Bed, Side Locker, Mattress	389,095.00			389,095.00		
<b>Computer &amp; Peripherals</b>						
UPS/Voltage Stabilizer	176,954.00		3,679.00	180,633.00	62,600.00	
Computer/Server	615,605.00			615,605.00	158,000.00	
Printer	123,834.00			123,834.00	13,500.00	
<b>Software/Networking</b>	45,240.00			45,240.00		
<b>Books</b>	395,834.00			395,834.00	2,232.00	
<b>Office Equipments</b>						
Public Address System	79,559.00			79,559.00		
Photocopier Machine	503,219.00			503,219.00	172,351.00	
Camera/TV/DVD/Scanner/Sound Sys.	70,050.00			70,050.00	23,290.00	
Water Purifier					14,990.00	
Refrigerator/Water Cooler	175,902.00			175,902.00	13,500.00	
Kitchen Equipment/Appliances	15,065.00			15,065.00		
Air Conditioner	638,056.00			638,056.00	134,595.00	
Fax Machine	39,095.00			39,095.00		
Water Pump Set	14,070.00			14,070.00		
Cycle					3,200.00	
Bronze Lamp	14,595.00			14,595.00		
Room Heater	18,332.00			18,332.00		
Vacuum Cleaner	24,990.00			24,990.00		
EPABX Board/Inverter/Generator	128,599.00			128,599.00		
Fire Fighting Equipments						
<b>Elect. Installation</b>	39,188.00			39,188.00	4,325.00	
<b>TOTAL</b>	<b>6,155,333.00</b>	<b>13,708.00</b>	<b>226,738.00</b>	<b>6,395,779.00</b>	<b>919,895.00</b>	<b>-</b>

  
 Accounts Officer  
 C.C.R.H., New Delhi

  
 Asstt. Director (Admn.)  
 C.C.R.H., New Delhi

  
 Director General  
 C.C.R.H., New Delhi

**Annexure - I (Part-I)**

(Form of Financial Statements (Non-Profit Organization)  
Name of Entity : Central Council for Research in Homoeopathy)

**Receipt & Payment Account for the year ended 31.03.2014 in respect of General Provident Fund Account**

(Figure in Rupees)

RECEIPTS	Current year 2013-2014	Previous year 2012-2013	PAYMENTS	Current year 2013-2014	Previous year 2012-2013
Opening Balance					
Bank Balance	3,474,438.00	634,781.00	Payment on account of GPF i) Advance & withdrawals made during the year	50,315,853.00	37,413,093.00
Amount transferred from General Account on account of GPF Subs.	47,133,119.00	43,694,156.00	Investment made during the year	16,808,057.00	142,595,060.00
Amount received from Dr. Sunil Ramtek	1,000,000.00		Closing Balance Bank Balance	2,958,636.00	3,474,438.00
Amount of G.P.F. Received in r/o Sh. S.R. Mohanty	-	-			
Sh. T.S. Behra	-	30,000.00			
Sh. Naresh Kumar	192,000.00	47,550.00			
Amount of STDRs matured and encashed during the year	-	32,000.00			
Income on Investment and Deposits	14,595,591.00	120,929,530.00			
Int. on STDR	3,591,285.00	18,034,054.00			
Int. on SB A/ c.	96,113.00	80,520.00			
Excess credit given by the Bank					
<b>GRAND TOTAL</b>	<b>70,082,546.00</b>	<b>183,482,591.00</b>	<b>GRAND TOTAL</b>	<b>70,082,546.00</b>	<b>183,482,591.00</b>

  
Accounts Officer  
C.C.R.H., New Delhi

  
Asstt. Director (Admn.)  
C.C.R.H., New Delhi

  
Director General  
C.C.R.H., New Delhi

## Annexure - I (Part-II)

(Form of Financial Statements (Non-Profit Organization)  
Name of Entity : Central Council for Research in Homoeopathy.  
Balance Sheet as at 31.03.2014 in respect of General Provident Fund Account

(Figure in Rupees )

LIABILITIES	Current year 2013-2014	Previous year 2012-2013	ASSETS	Current year 2013-2014	Previous year 2012-2013
<b>GPF Capital Fund</b>			<b>Investment account</b>		
a) Opening Balance	169,591,513.00	149,945,106.00	a) Opening Balance	166,605,059.00	144,939,529.00
b) Add: Subs. Of the staff	48,325,119.00	43,803,706.00	b) Less: amount of STDs matured during the year	14,595,591.00	120,929,530.00
c) Add: Interest allowed on GPF A/C of the subs.	14,560,433.00	13,255,794.00		<b>152,009,468.00</b>	<b>24,009,999.00</b>
<b>d) Less: Withdrawal</b>	<b>232,477,065.00</b>	<b>207,004,606.00</b>	c) Add: amount of STDs purchased during the year	16,808,057.00	142,595,060.00
i) Withdrawal	50,315,853.00	37,413,093.00		<b>168,817,525.00</b>	<b>166,605,059.00</b>
<b>(A)</b>	<b>182,161,212.00</b>	<b>169,591,513.00</b>	<b>(A)</b>		
<b>Reserve &amp; Surplus</b>			<b>Amount of interest accrued on STDs but not received</b>		
a) Opening Balance	11,908,180.00	10,125,202.00	a) Opening Balance	11,420,196.00	14,495,998.00
b) Interest recd on SB A/C.	96,113.00	80,520.00	b) Add: during the year	16,146,488.00	14,958,252.00
c) Int. accrued on STDs	16,146,488.00	14,958,252.00		<b>27,566,684.00</b>	<b>29,454,250.00</b>
	<b>28,150,781.00</b>	<b>25,163,974.00</b>	Less: Received during the year	3,591,285.00	18,034,054.00
Less: Interest allowed on G.P.F. A/C	14,560,433.00	13,255,794.00	<b>(B)</b>	<b>23,975,399.00</b>	<b>11,420,196.00</b>
<b>(B)</b>	<b>13,590,348.00</b>	<b>11,908,180.00</b>	<b>Closing Balance</b>		
			Bank Balance ( C )	2,958,636.00	3,474,438.00
<b>TOTAL ( A ) + ( B )</b>	<b>195,751,560.00</b>	<b>181,499,693.00</b>	<b>TOTAL ( (A)+(B)+(C) )</b>	<b>195,751,560.00</b>	<b>181,499,693.00</b>

  
Accounts Officer  
C.C.R.H., New Delhi

  
Asstt. Director (Admn.)  
C.C.R.H., New Delhi

  
Director General  
C.C.R.H., New Delhi

**Annexure - II (Part-I)**

(Form of Financial Statements (Non-Profit Organization)  
Name of Entity: Central Council for Research in Homoeopathy.

**Receipt & Payment Account for the year ended 31.03.2014 in respect of Pension Fund Account**

(Figure In Rupees)

RECEIPT	Current year 2013-2014	Previous year 2012-2013	PAYMENT	Current year 2013-2014	Previous year 2012-2013
Opening Balance Saving Bank Account No. 19806	31,393,781.00	33,242,003.00	Pension Payment made during the year	35,862,052.00	28,897,678.00
Amount received on account of L.S and Pension Contribution in respect of Sh. S.C. Dhama Sh. O.P. Verma	-	209,378.00	Arrear of Pension	776,627.00	4,675,778.00
Interest on Saving Bank Account	155,480.00	-	DA Arrear	1,172,156.00	665,582.00
Amount transferred from General Account to Pension Fund Account	649,552.00	794,946.00	Payment made during the year on account of Retirement Gratuity and Comm. Value of Pension	24,122,478.00	23,606,102.00
Amount recovered on account of Income Tax from pensioners	32,500,000.00	55,000,000.00	Income Tax paid to the Govt out of Pension Fund A/c.	1,198,266.00	1,547,060.00
STDR Encashed during the year I Tax received from Dr. S.K. Dey and Dr. N. Mishra ffd. from General account	1,198,266.00	1,546,648.00	Amount transferred to General Account	-	7,406.00
Int. on STDR received during the year	-	412.00	STDR purchased during the year	30,000,000.00	-
<b>GRAND TOTAL</b>	<b>96,667,267.00</b>	<b>90,793,387.00</b>	Bank Charges Colsing Balance Saving Bank Account No. 19806	3,535,688.00	31,393,781.00
			<b>GRAND TOTAL</b>	<b>96,667,267.00</b>	<b>90,793,387.00</b>

  
Accounts Officer  
C.C.R.H., New Delhi

  
Asstt. Director (Admn.)  
C.C.R.H., New Delhi

  
Director General  
C.C.R.H., New Delhi

## Annexure - II (Part - II)

(Form of Financial Statements (Non-Profit Organization)  
Name of Entity : Central Council for Research in Homoeopathy

## Balance Sheet as at 31.03.2014 in respect of Pension Fund Account

(Figure in Rupees)

LIABILITIES	Current year 2013-2014	Previous year 2012-2013	ASSETS	Current year 2013-2014	Previous year 2012-2013
Pension Fund Account					
Opening Balance	31,393,781.00	33,242,003.00	STDR Purchased during the year		
Add: Amount of Interest received on S.B. A/c.	649,552.00	794,946.00	Rs. 3,00,00,000.00		
Amount transferred from General Account	32,500,000.00	55,000,000.00	Less STDR Encashed during the year		
Interest on STDR	770,188.00		Rs. 3,00,00,000.00	Nil	
Amount received from HSCC on account of LS & Pension Contribution in respect of Sh. S.C. Dhama			Closing Balance	3,535,688.00	31,393,781.00
Sh. O.P. Verma	155,480.00	209,378.00			
<b>TOTAL</b>	<b>65,469,001.00</b>	<b>89,246,327.00</b>			
Less: Payment made on account of DCRG/Gratuity, Comm. Value of pension	24,122,478.00	23,606,102.00			
Amount transferred to Gen. A/c.	-	7,406.00			
Pension Payments & arrear	37,810,835.00	34,239,038.00			
( - )	61,933,313.00	57,852,546.00			
<b>GRAND TOTAL</b>	<b>3,535,688.00</b>	<b>31,393,781.00</b>	<b>GRAND TOTAL</b>	<b>3,535,688.00</b>	<b>31,393,781.00</b>

  
Accounts Officer  
C.C.R.H., New Delhi

  
Asstt. Director (Admn.)  
C.C.R.H., New Delhi

  
Director General  
C.C.R.H., New Delhi

**Annexure - III (Part I)**

(Form of Financial Statements (Non-Profit Organization)  
Name of Entity: Central Council for Research in Homoeopathy.

**Receipt & Payment Account for the year 2013-2014 for New Pension Scheme**

(Figure In Rupees)

RECEIPTS	Current year 2013-2014	Previous year 2012-2013	PAYMENTS	Current year 2013-2014	Previous year 2012-2013
Opening Balance	474,559.00	11,496.00	Investment account	-	-
Employee's Contribution transferred from General Account Received from Miss. Ramitha K.R.	3,577,771.00	3,061,532.00	STDR Purchased	-	-
	-	110.00	Add. Interest	-	-
Employer's contribution transferred from General Account	3,577,771.00	3,056,277.00	TOTAL	-	-
Amount of Interest due for the year 2012-13, transferred from Gen. Account	-	26,256.00	Amount of NPS paid to CR Agency, PFRDA	7,616,126.00	5,678,226.00
Interest on STDR	-	-	Final payment made to Miss. Ramitha K.R.	-	5,365.00
Interest on S.Bank account	6,018.00	2,479.00	Closing balance	19,993.00	474,559.00
STDR Encashed during the year	-	-			
<b>TOTAL</b>	<b>7,636,119.00</b>	<b>6,158,150.00</b>	<b>TOTAL</b>	<b>7,636,119.00</b>	<b>6,158,150.00</b>

  
Accounts Officer  
C.C.R.H., New Delhi

  
Asstt. Director (Admn.)  
C.C.R.H., New Delhi

  
Director General  
C.C.R.H., New Delhi

## Annexure - III (Part - II)

(Form of Financial Statements (Non-Profit Organization)  
Name of Entity: Central Council for Research in Homoeopathy.

## Balance Sheet as at 31.03.2014 for New Pension Scheme

LIABILITIES	Current year	Previous year	ASSETS	Current year	Previous year
	2013-2014	2012-2013		2013-2014	2012-2013
Capital Fund					
New Pension Scheme	474,559.00	11,496.00	Closing Balance	19,993.00	474,559.00
Received from Miss Ramitha K.R.	-	110.00			
Employees contribution	3,577,771.00	3,061,532.00			
Employee's contribution	3,577,771.00	3,056,277.00			
Interest on Employees contribution ffd. From General Account	-	26,256.00			
Interest on STDR					
Interest on S.B. Account	6,018.00	2,479.00			
TOTAL	7,636,119.00	6,158,150.00			
Less: Paid to CRA, PFRDA	-	5,678,226.00			
Final payment made to Miss. Ramitha K.R.	7,616,126.00	5,365.00			
TOTAL	19,993.00	474,559.00	TOTAL	19,993.00	474,559.00

  
Accounts Officer  
C.C.R.H., New Delhi

  
Asstt. Director (Admn.)  
C.C.R.H., New Delhi

  
Director General  
C.C.R.H., New Delhi

## Separate Audit Report of the Comptroller & Auditor General of India on the accounts of Central Council for Research in Homoeopathy for the year ended March 2014

1. We have audited the attached Balance Sheet of Central Council for Research in Homoeopathy as at 31 March 2014, the Income & Expenditure Account and Receipts & Payments Account for the year ended on that date under Section 20 (1) of the Comptroller & Auditor General's (Duties, Powers & Conditions of Services) Act, 1971. The audit has been entrusted for the period up to 2017-18. These financial statements are the responsibility of the Central Council for Research in Homoeopathy's management. Our responsibility is to express an opinion on these financial statements based on our audit.
2. This Separate Audit Report contains the comments of the Comptroller & Auditor General of India (CAG) on the accounting treatment only with regard to classification, conformity with the best accounting practices, accounting standards and disclosure norms etc. Audit observations on financial transactions with regard to compliance with the Law, Rules & Regulations (Propriety and Regularity) and efficiency-cum-performance aspects, etc. If any, are reported through Inspection Report/CAG's Audit Reports separately.
3. We have conducted our audit in accordance with auditing standards generally accepted in India. These standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatements. An audit includes examining on test basis, evidences supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of financial statements. We believe that our audit provides a reasonable basis for our opinion.
4. Based on our audit, we report that:
  - (i). We have obtained all the information and explanations, which to the best of our knowledge and belief were necessary for the purpose of our audit;
  - (ii). The Balance Sheet, Income and Expenditure Account and Receipts and Payments Account dealt with by this report have been drawn up in the format prescribed in the Government of India, Ministry of Finance.
  - (iii). In our opinion, proper books of accounts and other relevant records have been maintained by the Central Council for Research in Homoeopathy, in so far as it appears from our examination of such books.
  - (iv). We further report that:

### **A.1. Liabilities ₹ 135.55 Crore**

#### **A.1.1 Non-adherence to the pattern of Uniform Format of Accounts**

Provision for gratuity pension and leave encashment as required in the common format of accounts for the central autonomous bodies was not made on actuarial basis.

**B. Grant-in-aid:**

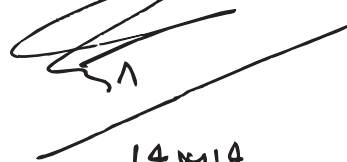
The Council received grant-in-aid of ₹ 7873.78 lakh (Plan ₹ 6200.00 lakh and Non-Plan ₹ 1673.78 lakh) during 2013-14. The Institute had its own receipt of ₹ 615.26 lakh (Plan ₹ 510.67 lakh and Non Plan ₹ 104.59 Lakh. The Institute utilized ₹ 6499.85 lakh (Plan ₹ 4745.37 lakh and Non-Plan ₹ 1754.48 lakh) leaving an unutilized of ₹ 1989.19 lakh (Plan ₹ 1965.30 lakh and Non Plan ₹ 23.89 lakh) during 2013-14.

**C. Management Letter**

Deficiencies which have not been included in the Audit Report have been brought to the notice of the Council through a management letter issued separately for remedial/corrective action.

- (v). Subject to our observations in the preceding paragraphs, we report that the Balance Sheet Income and Expenditure Account and Receipt and Payment Account dealt with by this report are in agreement with the books of accounts.
- (vi). In our opinion and to the best of our information and according to the explanations given to us, the said financial statement read together with the Accounting policies and Notes on Accounts and subject to the significant matters stated above and other matters mentioned in Annexure to this Audit Report give a true and fair view in conformity with accounting principles generally accepted in India;
- a. In so far as it relates to the Balance Sheet, of the state of affairs of the Central Council for Research in Homoeopathy as at 31 March 2014; and
- b. In so far as it relates to Income and Expenditure Account of the surplus for the year ended on that date.

For and on behalf of the C & AG of India



14.11.14

Director General of Audit Central Expenditure

Place: New Delhi

Date: 28.11.13

## Annexure

### 1. Adequacy of Internal Audit System

Internal audit of CCRH for the period 2011-13 was conducted by Pr. Pay & Account Office of Ministry of Health & Family Welfare.

### 2. Adequacy of Internal Control System

10 paras for the period from 2011-13 were outstanding as on 31<sup>st</sup> March 2014.

### 3. System of physical verification of Assets

The physical verification of fixed assets for the period 2012-13 was conducted and no discrepancy was found.

### 4. System of physical verification of inventory

The physical verification of inventory like books and publications, stationary and other consumable had been conducted for the period 2012-13.

### 5. Regularity in payment of dues

As per accounts, no payment for over six months in respect of statutory dues were outstanding as on 31.03.2014.





## **CENTRAL COUNCIL FOR RESEARCH IN HOMOEOPATHY**

(An Autonomous Body of Deptt. of AYUSH, Ministry of Health & Family Welfare, Govt. of India)  
Jawahar Lal Nehru Bhartiya Chikitsa Avum Homoeopathy Anusandhan Bhawan  
61-65, Institutional Area, Janakpuri, New Delhi-110058

Tel: 91-11-28525523 Fax: 91-11-28521060

E-mail: [ccrh@del3.vsnl.net.in](mailto:ccrh@del3.vsnl.net.in) Website : [www.ccrhindia.org](http://www.ccrhindia.org)