INTRODUCTION

The Indian System of Medicine is of great antiquity. It is the culmination of Indian thought of medicine which represents a way of healthy living valued with a long and unique cultural history, as also amalgamating the best of influences that came in from contact with other civilizations be it Greece (resulting in Unani Medicine) or Germany (Homoeopathy) or our scriptures/sages which gave us the science of Ayurveda, Siddha as also Yoga & Naturopathy. Like the multifaceted culture in our country, traditional medicines have evolved over centuries blessed with a plethora of traditional medicines and practices.

A separate Department of Indian Systems of Medicine and Homoeopathy (ISM&H) was set up in 1995 to ensure the optimal development and propagation of AYUSH systems of health care. The Department of ISM&H was re-named as the Department of AYUSH (an acronym for - Ayurveda, Yoga and Naturopathy, Unani, Siddha, Homoeopathy) in November 2003. With an increase in lifestyle-related disorders there is a worldwide resurgence of interest in holistic systems of health care, particularly with respect to the prevention and management of chronic, non-communicable and systemic diseases. It is increasingly understood that no single health care system can provide satisfactory answers to all the health needs of modern society. Evidently there is a need for a new inclusive and integrated health care regime that should guide health policies and programmes in future. India has an advantage in this global resurgence of interest in holistic therapies as it has a rich heritage of indigenous medical knowledge coupled with strong infrastructure and skilled manpower in modern medicine. Medical pluralism is here to stay and the AYUSH sector has a critical role to play in the new and emerging situation.

The Department of AYUSH under Ministry of Health and Family Welfare, promotes and propagates Indian systems of Medicine and Homoeopathy, and is committed to infuse the wisdom of traditional medicine with the methodologies of modern science, scientifically validating the systems and presenting them in the scientific idiom, relating their efficacy to modern life styles. The Department has, over the years, developed a broad institutional framework to carry out its activities. The National Medicinal Plants Board (NMPB) functions under the Department to coordinate activities relating to conservation, cultivation, marketing, export and policy making for the development of the medicinal plants sector. There are two statutory regulatory bodies, namely Central Council of Indian Medicine (CCIM) and Central Council of Homoeopathy (CCH) for laying down minimum standards of education, recommending recognition of medical qualifications, registering the practitioners and laying down of ethical codes. Four research councils, for Ayurveda and Siddha (CCRAS), Unani (CCRUM), Yoga and Naturopathy (CCRYN) and Homeopathy (CCRH) are responsible for the officially sponsored research activities. So far, eight National Institutes are existing at national level for teaching, research and clinical practices.

For Standardisation and testing of Drugs, various agencies have been put in plan by the Government of India. Four different Pharmacopoeia Committees are working for preparing official formularies / pharmacopoeias to evolve uniform standards in preparation of drugs of Ayurveda, Siddha, Unani and Homeopathy and to prescribe working standards for single drugs as well as compound formulations. A Drug Quality Control Cell is working in the Department to deal with the matters pertaining to licensing, regulation and control of drugs and the spurious manufacture of Ayurvedic, Unani and Siddha Drugs and other matters. Two apex Laboratories, namely, Pharmacopoeial Laboratory for Indian Medicine (PLIM) and Homoeopathic Pharmacopoeial Laboratory (HPL) are functioning as Standard Setting-Cum-Drug-testing Laboratories for Indian Medicines and Homoeopathy respectively. Indian Medicines Pharmaceutical Corporation Ltd. (IMPCL), a Public Sector Undertaking, manufactures classical Ayurveda and Unani drugs. The Department also manages the CGHS Ayurveda Hospital at Lodhi Road, New Delhi.

Bringing AYUSH into the mainstream health care delivery system of the country has long been a major policy objective of the Department. Under the NRHM, AYUSH facilities are being set up in PHCs and CHCs and are being manned by qualified AYUSH physicians appointed on contract basis.

Since the creation of a separate Department, there has been a substantial increase in the infrastructural facilities under AYUSH systems in the country. Presently, there
are 3167 hospitals with about 57056 beds, 26107 dispensaries, 6,86,319 doctors, 522 educational institutions with admission capacity of about 25507 UG student and 2979 PG students and 8896 drug-manufacturing units under AYUSH systems. Under NRHM, AYUSH facilities have been co-located with 329 District hospitals, 2352 CHCs and 8471 PHCs.

A. AYUSH SYSTEMS

i) Ayurveda:

The word ‘Ayurveda’ has derived out of fusion of two separate words- Ayu i.e. life and ‘veda’ i.e. knowledge. Thus in literal meaning Ayurveda is the science of life. Ayurveda is a classical system of preventive, promotive and curative healthcare originating from the Vedas documented around 5000 years ago and currently recognized and practiced in India and many countries in the world. It is one of the most ancient healthcare systems having equal scientific relevance in the modern world, that take a holistic view of the physical, mental, spiritual and social aspects of human life, health and disease.

It is believed that Ayurveda is originated out of Vedas (particularly Rigveda and Atharvaveda). Numerous references of health, diseases, their treatment as well as use of non-materialistic things such as sun rays, fasting, mantra etc.; are available in these Vedas. The knowledge of Ayurveda was first comprehensively documented in the compendia like 'Brahma Samhita', Agnivesha tantra', 'Bhela Samhita' etc. Out of these, only some part of Bhela Samhita is available today. The Agnivesha Tantra was edited by Charak around 5000 years back called Charak Samhita and thereafter re-edited by Dridhbala, which is one of the main text of Ayurveda available in complete form today. This is the most translated treahty of Ayurveda, which got translated in to many foreign languages like Tibetan, Arabic, Unan and Greek even in ancient time. In recent past many scholars have translated Charak Samhita in to English, German, and Japanese languages. Likewise another full available ancient text mainly dealing with surgical aspect of diseases is Sushruta Samhita, which has also undergone 3-4 editions in past 5000 years.

According to Ayurveda, health is considered as a basic pre-requisite for achieving the goals of life - Dharma (duties), Arth (finance), Kama (materialistic desires) and Moksha (salvation). As per the fundamental basis of Ayurveda, all objects and living bodies are composed of five basic elements, called the Pancha Mahabhootas, namely: Prithvi (earth), Jal (water), Agni (fire), Vayu (air) and Akash (ether). The philosophy of Ayurveda is based on the fundamental correlation between the universe and the man. Hence Ayurveda has also stressed on environmental aspects and has advised various measures for conservation of nature as well as to avoid the pollution of Air, water and Soil. Ayurveda imbibes the humeral theory of Tridosha- the Vata (ether + air), Pitta (fire) and Kapha (earth + water), which are considered as the three physiological entities in living beings responsible for all metabolic functions. The mental characters of human beings are attributable to Satva, Rajas and Tamas, which are the psychological properties of life collectively terms as ‘Triguna’. Ayurveda aims to keep structural and functional entities in a state of equilibrium, which signifies good health (Swasthya). Any imbalance due to internal or external factors leads to disease and the treatment consists of restoring the equilibrium through various procedures, regimen, diet, medicines and behavior change. Ayurveda, being an applied Science and considering the limitations for printing in ancient time, all the ancient texts have concentrated mainly on applied aspects. Understanding of ‘Functional Anatomy’ i.e. Sharir is the unique contribution of Ayurveda to the modern science which has great potential for new discoveries in System Biology.

The treatment approach in the Ayurveda system is holistic and individualized having preventive, curative, mitigative, recuperative and rehabilitative aspects. The preventive aspect of Ayurveda is called Svasth-Vrita and includes personal hygiene, daily and seasonal regimens, appropriate social behavior and use of materials & practices for healthy aging and prevention of premature loss of health attribute. The curative treatment consists of Aushadhi (drugs), Ahara (diet) and Vihara (life style). Ayurveda largely uses plants as raw materials for the manufacture of drugs, though materials of animal and marine origin, metals and minerals are also used. Ayurvedic medicines are generally safe and have little or no known adverse side-effects, if manufactured properly and consumed judiciously following necessary dos and don’ts. The mitigative and recuperative treatment is again a specialty of Ayurveda which is known as Rasayana, in which various drugs and therapies have immunomodulatory effects are used. Ayurveda has also described about genetic
predisposition for health as well as development of a disease and has described various treatments so as to restrict the transfer of genetic linked diseases to next generation. This specialty of Ayurveda is known as ‘Vrishya’.

Initially, clinical medicine of Ayurveda was developed into eight distinct specialties, i.e. Kayachikitsa (Internal Medicine), Shalya Tantra (Surgery), Shalakya (Eye and ENT), Kaumar Bhritya (Pediatrics), Graha Chikitsa (Psychiatry), Agad Tantra (Toxicology), Rasayana (Gerontology) and Vajikarana (Science of virility), on the basis of which it is called ‘Astang Ayurveda’. During the last 60 years of its development after India became independent, Ayurveda has come up to provide 22 specialized courses of study at post-graduation level. These specialties are -- Ayurveda Siddhanta (Fundamental Principles of Ayurveda), Ayurveda Samhita (Classical Texts of Ayurveda), Rachna Sharira (Anatomy), Kriya Sharira (Physiology), Dravya Guna Vigyan (Materia medica and Pharmacology), Rasa-Shastra (Pharmaceuticals using minerals and metals), Bhaishajya Kalpana (Pharmaceuticals), Kaumar Bhritya or - Bala Roga (Pediatrics), Prasuti Tantra avum Stri Roga (Obstetrics and Gynecology), Swasth-Vritta (Social and Preventive Medicine), Kayachikitsa (Internal Medicine), Rog Nidan avum Vikriti Vigyan (Diagnostics & Pathology), Shalya Tantra-Samanya (Surgery), Shalya Tantra - Kshar Karma avum Anushastra Karma (Parasurgical interventions & procedures), Shalakya Tantra -Natra Roga (Ophthalmology), Shalakya Tantra - Shiro-Nasa-Karma Avum Kantha Roga (Treatment of diseases of Head and ENT), Shalakya Tantra - Danta Avum Mukha Roga (Dentistry), Manovigyan avum Manas Roga (Psychology & Psychiatry), Panchakarma (Biopurification), Agad Tantra avum Vidhi Vaidyaka (Toxicology and Medical Jurisprudence), Sangyarahana (Anesthesiology) and Chhaya avum Vikiran Vigyan (Radiology).

Ayurveda holds the strength to treat diseases from holistic angle in accordance with the body-mind constitution and other physico-psychological attributes of the patients and as such is proven to be effective in the treatment of chronic, metabolic and life style diseases for which satisfactory solutions are not available in conventional allopathy medicine. Over the years, Kshar Sutra and Panchakarma therapies of Ayurveda have become very popular among the public. Panchakarma is a unique therapeutic procedure for the radical elimination of disease-causing factors and to maintain the equilibrium of tridosha. The Panchakarma therapy minimizes the chances of recurrence of the diseases and promotes positive health by rejuvenating body tissues and bio-purification. Kshar Sutra is a para-surgical intervention using an alkaline thread for cauterization, which is scientifically validated to be effective in the treatment of fistula-in-ano and such surgical conditions as require excision of overgrown soft tissue like polyps, warts, non-healing chronic ulcers, sinuses and papillae.

(ii) Unani:

The Unani System of Medicine originated in Greece and passed through many countries before establishing itself in India during the medieval period. This system is based on the teachings of Hippocrates and Galen, developed into an elaborate Medical System by Arabs. It is based on well-established knowledge and practices relating to the promotion of positive health and prevention of diseases. The Unani system became enriched by imbibing what was best in the contemporary systems of traditional medicines in Egypt, Syria, Iraq, Persia, India, China and other Middle East countries.

The system of medicine was documented in Al-Qanoon, a medical Bible, by Sheikh Bu-Ali Sina (Avicena, 980-1037 AD), and in Al-Havi by Razi (Rhazes, 850-923 AD) and in many other books written by the Unani physicians. The literature of the Unani system is mostly found in Arabic, Persian and Urdu languages.

The Unani System is based on the Humoral theory i.e. the presence of blood, phlegm, yellow bile and black bile in a person. The temperament of a person can accordingly be sanguine, phlegmatic, choleric and melancholic depending on the presence and combination of humors. According to Unani theory, the humors and medicinal plants themselves are assigned temperaments. Any change in quantity and quality of the humors, brings about a change in the status of the health of the human body. A proper balance of humors is required for the maintenance of health.

Treatment in Unani consists of three components namely preventive, promotive and curative. Unani system of Medicine has been found to be efficacious in conditions like Rheumatoid Arthritis, Jaundice, Nervous Debility, Skin Diseases like Vitiligo & Eczema, Sinusitis and Bronchial Asthma. For the prevention of disease and promotion of health, the Unani System emphasizes six essentials (Asbab-e-Sitta Zarooria):- (a) pure air (b) food and water (c)
physical movement and rest (d) psychic movement and rest (e) sleep and wakefulness and (f) retention of useful materials and evacuation of waste materials from the body. There are four forms of treatment in Unani medicine- Ilaj bid Dawa (Pharmacotherapy), Ilaj bil Ghiza (Deitotherapy), Ilaj Bid Tadbir (Regimenal Therapy) and Ilaj bil Jarahat (Surgery). Regimenal Therapy (Ilaj Bid Tadbir) is a special technique/physical method of treatment to improve the constitution of body by removing waste materials and improving the defense mechanism of the body and protect health. Some of the special techniques are Fasd (Blood-letting), Hijama (Cupping), Dalk (Massage), Taleeq-e-Alaq (Leeching), Hammam-e-Har (Turkish Bath), Riyazat (Exercise), Amal-e-Kai (Cauterization). The Unani system of medicine offers various methods of treatment which are used for specific and complicated diseases. It emphasizes the use of naturally occurring, mostly herbal medicines and also uses some medicines of animal, marine and mineral origin.

During the last 50 years, eight Post Graduate specialties have been developed-(i) Kulliyat (Basic Principles of Unani Medicine), (ii) Ilmul Advia (Pharmacology), (iii) Ilmul Saidla (Pharmacy), (iv) Tahaffuzi-wa-Samaji Tibb (Preventive and Social Medicine), (v) Moalijat (Medicine), (vi) Jarahiyat (Surgery), (vii) Ilmul Qablat-wa-Amraz-e-Niswan (Obstetrics and Gynecology), (viii) Ilmul Atfal (Paediatrics). National Institute of Unani Medicine is established in Bangaluru to impart good P.G. education in Unani system.

(iii) Siddha:

The Siddha System of medicine is one of the ancient systems of medicine in India having its close bedd with Dravidian culture. The term Siddha means achievements and Siddhars are those who have achieved perfection in medicine. Eighteen Siddhars are said to have contributed towards the systematic development of this system and recorded their experiences in Tamil language.

The Siddha system of Medicine emphasizes on the patient, environment, age, sex, race, habits, mental frame work, habitat, diet, appetite, physical condition, physiological constitution of the diseases for its treatment which is individualistic in nature Diagnosis of diseases are done through examination of pulse, urine, eyes, study of voice, colour of body, tongue and status of the digestion of individual patients. System has unique treasure for the conversion of metals and minerals as drugs and many infective diseases are treated with the medicines containing specially processed mercury, silver, arsenic, lead and sulphur without any side effects. The strength of the Siddha system lies in providing very effective therapy in the case of Psoriasis, Rheumatic disorders, Chronic liver disorders, Benign prostate hypertrophy, bleeding piles, peptic ulcer including various kinds of Dermatological disorders of non psoriatic nature.

During the last six decades, there has been continuous development in Siddha medical education and this has led to the establishment of the National Institute of Siddha at Chennai as apex Institute having six specialties in post-graduate teaching leading to the award of M.D(S) Degree. These are Maruthuvam (General Medicine), Sirappu Maruthuvam (Special Medicine), Kuzhanthai Maruthuvam (Paediatrics), Gunapadam (Pharmacology), Noi Nadal (Pathology) and Nanju Nool & Maruthuva Neethinool (Toxicology).

For development of focussed research in Siddha System of medicine Govt. has constituted Central Council for Research in Siddha (CCRS), an autonomous body by bifurcating Central Council for Research in Ayurveda and Siddha (CCRAS).

(iv) Yoga:

The word "Yoga" comes from the Sanskrit word “yuj” which means “to unite or integrate.” Yoga is about the union of a person’s own consciousness and the universal consciousness. It is primarily a way of life, first propounded by Maharshi Patanjali in systematic form Yogasutra. The discipline of Yoga consists of eight components namely, restraint (Yama), observance of austerity (Niyama), physical postures (Asana), breathing control (Pranayam), restraining of sense organs (Pratyahar), contemplation (Dharna), meditation (Dhyan) and Deep meditation (Samadhi). These steps in the practice of Yoga have the potential to elevate social and personal behavior and to promote physical health by better circulation of oxygenated blood in the body, restraining the sense organs and thereby inducing tranquility and serenity of mind and spirit. The practice of Yoga has also been found to be useful in the prevention of certain psychosomatic diseases and improves individual resistance and ability to
endure stressful situations. Yoga is a promotive, preventive rehabilitative and curative intervention for overall enhancement of health status. A number of postures are described in Yoga literature to improve health, to prevent diseases and to cure illness. The physical postures are required to be chosen judiciously and have to be practiced in the correct way so that the benefits of prevention of disease, promotion of health and therapeutic use can be derived from them.

Studies have revealed that Yogic practice improves intelligence and memory and help in developing resistance to situations of stress and also help individuals to develop an integrated personality. Meditation can stabilize emotional changes and prevent abnormal functions of the vital organs of the body. Studies have shown that meditation not only regulates the functions of the sense organs but also strengthens the nervous system. Yoga today is no longer restricted to hermits, saints, sages but has gone to every home for the global health promotion. Yoga as a part of peoples’ lifestyle has aroused a world-wide awakening and acceptance.

(v) Naturopathy:

Naturopathy is rooted in the healing wisdom of many cultures and times based on principal of natural healing. The principles and practices of Naturopathy are integrated in the life style, if the people observe living close to nature.

Naturopathy is a cost effective drugless, non-invasive therapy involving the use of natural materials for health care and healthy living. It is based on the theories of vitality, boosting the self-healing capacity of the body and the principles of healthy living. Naturopathy is a system of natural treatment and also a way of life widely practiced, globally accepted and recognized for health preservation and management of illnesses without medicines. Naturopathy advocates living in harmony with constructive principles of Nature on the physical, mental, social and spiritual planes. It has great promotive, preventive, curative as well as restorative potentials.

Naturopathy promotes healing by stimulating the body’s inherent power to regain health with the help of five elements of nature - Earth, Water, Air, Fire and Ether. It is a call to “Return to Nature” and to resort to a simple way of living in harmony with the self, society and environment. Naturopathy advocates ‘Better Health without Medicines’. It is reported to be effective in chronic, allergic autoimmune and stress related disorders. The theory and practice of Naturopathy are based on a holistic view point with particular attention to simple eating and living habits, adoption of purificatory measures, use of hydrotherapy, cold packs, mud packs, baths, massages, fasting etc.

(vi) Homoeopathy:

The Physicians from the time of Hippocrates (around 400 B.C.) have observed that certain substances could produce symptoms of a disease in healthy people similar to those of people suffering from the disease. Dr. Christian Friedrich Samuel Hahnemann, a German physician, scientifically examined this phenomenon and codified the fundamental principles of Homoeopathy. Homoeopathy was brought into India around 1810 A.D. by European missionaries and received official recognition by a resolution passed by the Constituent Assembly in 1948 and then by the Parliament.

The first principle of Homoeopathy ‘Similia Similibus Curentur’, says that a medicine which could induce a set of symptoms in healthy human beings would be capable of curing a similar set of symptoms in human beings actually suffering from the disease. The second principle of ‘Single Medicine’ says that one medicine should be administered at a time to a particular patient during the treatment. The third principle of ‘Minimum Dose’ states that the bare minimum dose of a drug which would induce a curative action without any adverse effect should be administered. Homoeopathy is based on the assumption that the causation of a disease mainly depends upon the susceptibility or proneness of an individual to the incidence of the particular disease in addition to the action of external agents like bacteria, viruses, etc.

Homoeopathy is a method of treating diseases by administering drugs which have been experimentally proved to possess the power to produce similar symptoms on healthy human beings. Treatment in Homoeopathy, which is holistic in nature, focuses on an individual’s response to a specific environment. Homoeopathic medicines are prepared mainly from natural substances such as plant products, minerals and from animal sources. Homoeopathic medicines do not have any toxic, poisonous or side effects. Homoeopathic
treatment is economical as well and has a very broad public acceptance.

Homoeopathy has its own areas of strength in therapeutics and it is particularly useful in treatment for allergies, autoimmune disorders and viral infections. Many surgical, gynaecological and obstetrical and paediatric conditions and ailments affecting the eyes, nose, ear, teeth, skin, sexual organs etc. are amenable to homoeopathic treatment. Behavioral disorders, neurological problems and metabolic diseases can also be successfully treated by Homoeopathy. Apart from the curative aspects, Homoeopathic medicines are also used in preventive and promotive health care. Homoeopathic medical education has developed in seven specialties in post-graduate teaching, which are Materia Medica, Organon of Medicine, Repertory, Practice of Medicine, Paediatrics, Pharmacy and Psychiatry.

Thus the homoeopathic system of medicine is accepted by users being cost effective and having no side effects.

(vii) Sowa-Rig-pa (Amchi Medicine):

“Sowa-Rig-pa”, commonly known as Amchi medicine, is the traditional medicine of many parts of the Himalayan region used mainly by the Tribal and bhot people. Sowa-Rig-pa (Bodh-Kyi) means ‘science of healing’ and the practitioners of this medicine are known as Amchi. Sowa-Rigpa is originated out of Ayurveda and is based mainly on the Áshtanga Hridaya’ treaty which one of the three main Compendia of Ayurveda, was translated in to Tibetan language in 4th century.

In India, this system of medicine has been popularly practiced in Ladakh and Paddar-Pangay regions of Jammu and Kashmir, Lahuls spitii, Pangi, Dharamshala and Kinnar region of Himachal Pradesh, Uttrakhand, Arunachal Pradesh, Sikkim, Darjeeling-Kalingpong (West Bengal).

Sowa-Rig-pa is a science, art and philosophy that provide a holistic approach to health care on the basis of harmony and understanding of human being and universe i.e. the environment. It uses diagnostic techniques for examples pulse and urine examination (eight fold examination) and it embraces the key Buddhist principles of altruism, karma and ethics. According to the Amchi system, proper alignment of the three Dosha, seven body Tissu (seven Dhatus) and three excretory products (Malas) in the state of equilibrium constitutes a healthy body. Any disequilibrium in any of these energies leads to disease or ill-health. Amachi medical theory states that everything in the universe is made up of the five basic elements, namely, sa (Earth), chu (Water), rLung (Wind), Nam-mkha (Space). Amchi system is based on the following three Principle Energies -

1. rLung (wind) manifests the nature of Air element. It is characterized as rough, light, cold, subtle, hard and mobile. It is responsible for the physical and mental activities, respiration, expulsion of urine, faces, foetus, menstruation, spitting, burping, speech, gives clarity to sense organs, sustains life by means of acting as a medium between mind and body. This is similar to Vata-dosha of Ayurveda.

2. mKhris-pa (Bile) basically has the nature of fire. It is characterized as oily, sharp, hot, light, fetid, purgative and fluidity. mKhris-pa is responsible for hunger, thirst, digestion and assimilation, maintains body heat, gives lustre to body complexion and provides courage and determination. This is similar to Pitt-dosha of Ayurveda.

3. Bad-kan (Phlegm) is cold in nature and is characterized as oily, cool, heavy, blunt, smooth, firm and sticky. Bad-kan is responsible for firmness of the body, stability of mind, induces sleep, connects joints, generates tolerance and lubricates the body. This is similar to Kapha-dosha of Ayurveda.

The diagnostic techniques in Sowa-Rigpa include visual observation, touch and interrogation. For treatment of health problems, the system makes use of herbs, minerals, animal products, spring and mineral water, moxibustion mysticism and spiritual power. The medicines are used usually in the form of decoctions, powders, pills and syrups etc. Mantra and tantra components are also very important of Sowa-rigpa.

B. MISSION, VISION AND OBJECTIVES OF DEPARTMENT OF AYUSH:

The Mission, Vision and objectives of the Department of AYUSH are given below:

(i) Mission and Vision:
The vision statement of Department of AYUSH is “to position AYUSH systems as the preferred systems of living and practice for attaining a healthy India.”

The mission statement of Department of AYUSH is as follows:

1. To mainstream AYUSH at all levels in the Health Care System.
2. To improve access to and quality of Public Health delivery through AYUSH System.
3. To focus on Promotion of health and prevention of diseases by propagating AYUSH practices.
4. Proper enforcement of provisions of Drugs & Cosmetic Act 1940 and Rules framed thereunder relating to the ASU drugs throughout the country.

(ii) Objectives:

The Department of AYUSH has the following objectives:

1. Delivery of AYUSH Services
2. Human Resource Development in AYUSH
3. Promotion and Propagation of AYUSH Systems
4. Research in AYUSH
5. Conservation and cultivation of medicinal plants
6. Effective AYUSH Drug Administration

C. NATIONAL MEDICINAL PLANTS BOARD (NMPB):

The resource base of AYUSH medicines is largely plants. Increasing global interest in natural remedies has increased the demand for medicinal plants which are mainly sourced from the wild areas. This has led to the emergence of a number of issues like sustainability, conservation, cultivation, quality assurance, protection of Traditional Knowledge, issues related of access and benefit sharing etc. To coordinate all these matters relating to medicinal plants, Government of India has established the National Medicinal Plants Board (NMPB) under the Department of AYUSH, Ministry of Health & Family Welfare. NMPB is the apex national body which coordinates all matters relating to medicinal plants in the country. The Board was established in November, 2000 and acts as advisory body to the concerned Ministries, Departments and Agencies in strategic planning for medicinal plants related initiatives and to take measures to provide financial support to programmes relating to conservation, cultivation and the all-round development of the medicinal plants sector. The Union Minister of Health & Family Welfare is the Chairperson and the Union Minister of State for Health & Family Welfare is the Vice-Chairperson of the Board.

Functions of the NMPB

I. Assessment of demand/supply of medicinal plants both within the country & abroad.

II. Advise concerned Ministries/ Depts./ Organisation / State/ UT Governments on policy matters relating to schemes and programmes for development of medicinal plants.

III. Provide guidance in the formulation of proposals, schemes and programmes etc. to be taken-up by agencies having access to land for cultivation and infrastructure for collection, storage and transportation of medicinal plants.

IV. Identification, inventory and quantification of medicinal plants.

V. Promotion of ex-situ/in-situ cultivation and conservation of medicinal plants.

VI. Promotion of co-operative efforts among collectors and growers and assisting them to store, transport and market their produce effectively.

VII. Setting up of data-base system for inventory, dissemination of information and facilitating prevention of patents on medicinal use of plants, information on which is already in the public domain.

VIII. Matters relating to import/export of raw material, as well as value added products either as medicine, food supplements or as herbal cosmetics including adoption of better techniques for marketing of produce to increase their reputation for quality and reliability within the country and abroad.

IX. Undertaking and awarding of studies leading to scientific, technological research and promoting cost-effective practices for the development of medicinal plants.

X. Development of protocols for cultivation and quality control.
XI. Encouraging protection of Patent Rights and IPR.

Schemes of NMPB

- Currently, NMPB is implementing two schemes a Central Sector Scheme for Conservation, Development and Sustainable Management of Medicinal Plants and a Centrally Sponsored Scheme of National Mission on Medicinal plants.

(a) Central Sector Scheme for Conservation, Development and Sustainable Management of Medicinal Plants:

- This scheme was approved by the Cabinet Committee on Economic Affairs in its meeting on 26th June, 2008 with a total outlay of Rs. 321.30 crores during the 11th plan.

Objectives of the Scheme

- To promote in-situ / ex-situ conservation of medicinal plants which are critical components of the AYUSH and Folk systems of medicine by supporting such programmes in forest/ public/ non-public/ institutional lands.
- To promote R&D for domestication of wild medicinal plants, development of agro-techniques and post-harvest management storage and processing.
- To promote quality assurance and standardization through development of Good Agriculture Practices (GAP), Good Collection Practices (GCP), and Good Storage Practices (GSP) and through development of monographs of medicinal plants.
- To develop, implement and support certification mechanism for quality standards, Good Agriculture Practices (GAP), Good Collection Practices (GCP), and Good Storage Practices (GSP).
- To promote sustainable harvesting protocols of medicinal plants from forest areas and certification thereof.
- To support Survey, inventory and documentation of endangered medicinal plants through periodic surveys and inventory.
- Creating Gene banks/ Seed orchards to create an authentic source of seed and germ plasm for future.
- Promote capacity building and human resource development at all levels.
- Adopt a coordinated approach and promotion of partnership, convergence and synergy among R&D; processing and marketing in public as well as private sector at national, regional, state and sub state levels.
- To provide Information, Education and Communication through organization of seminars, trainings and exposure visits within the country and abroad.
- Function as clearinghouse of information on medicinal plants including their occurrence, usage, ethno-botanical uses, cultivation practices and post-harvest practices, markets etc. and dissemination thereof through print and electronic media, printing of brochures, posters and other publicity material.

Important Achievements under the Central Sector Scheme for Conservation, Development and Sustainable Management of Medicinal Plants during 2012-13:

- Re-afforestation/conservation of Medicinal Plants in 8198.51 hectares in Forest Areas:
  - 5296.21 hectares under Resource Augmentation
  - 2902.30 hectares under Medicinal Plants Conservation Areas
- Set up a network of ex-situ conservation through establishing:-
  - Herbal Gardens - 8 (in nos)
  - No.JFMCs supported - 15 (in nos)
- Supported Research Studies on:
  - Bioactivity guided fractionation studies
  - Sustainable harvesting
  - Post-Harvest Management
  - Inter-cropping
  - Chemical and Molecular Profiling
  - Production of Quality Planting Material
  - Germplasm and Genotype Identification and Conservation
- Financial Assistance was given to West Bengal during 2012-13 for National Campaign on Amla.
(b) Centrally Sponsored Scheme of National Mission on Medicinal Plants

The scheme was approved by Cabinet Committee on Economic Affairs (CCEA), New Delhi in its meeting held on 24th July, 2008 with a total outlay of Rs.630.00 Crores for implementation during the 11th plan. The Scheme is primarily aimed at supporting market driven medicinal plants cultivation on agricultural land with backward linkages for establishment of nurseries, for supply of quality planting material and forward linkages for post-harvest management, marketing infrastructure, certification and crop-insurance in a Mission mode.

**Objectives of the Scheme**

- To support cultivation of identified medicinal plants through their integration in the farming system and offer an option for crop diversification and enhance income of farmers.

- To support cultivation of medicinal plants following Good Agricultural and Collection Practices (GACPs) for increasing availability of quality raw material

- To support setting up of processing zones/clusters through convergence of cultivation, warehousing, value addition and marketing and development of infrastructure for entrepreneurs to set up units in such zones/clusters.

- To support cultivation mechanism for quality standards, Good Agriculture Practices (GAPs), Good Collection Practices (GCPs), and Good Storage Practices (GSPs).

- To adopt a Mission approach and promote partnership, convergence and synergy among stake holders involved in R&D, processing and marketing in public as well as private sector at national, regional, state and sub state level.

**Mission Strategy**

- The Mission aims at adopting an end-to-end approach covering production, post-harvest management, processing and marketing. This is sought to be achieved by promoting cultivation of medicinal plants in identified clusters/zones within selected districts of states having potential for medicinal plants cultivation and to promote such cultivation following Good Agriculture and Collection Practices (GACPs) through synergistic linkage with production and supply of quality planting material, processing, quality testing, certification, warehousing and marketing for meeting the demands of the AYUSH industry and for exports of value added items.

- The Mission also seeks to promote medicinal plants as an alternative crop to the farmers through increased coverage of medicinal plants and with linkages for processing, marketing and testing, offer remunerative prices to the growers/farmers. This will also reduce pressure on forests on account of wild collection.

- Mission seeks to adopt communication through print and electronic media as a strong component of its strategy to promote integration of medicinal plants farming in the agriculture/horticulture systems with emphasis on quality and standardization through appropriate pre and post-harvest linkages.

- Promote and support collective efforts at cultivation and processing in clusters through Self Help Groups, growers cooperatives/associations, producer companies and such other organizations with strong linkages to manufacturers/traders and R&D institutions.

**Mission Structure**

- The Mission has a two tier structure one at the National and the other at the State Level. The National Medicinal Plants Board (NMPB) in the Department of AYUSH is the Nodal Organization at the National Level for implementation of the Mission Scheme.

**Technical Standing Committee (TSC)**

- A Technical Screening Committee has been constituted under the scheme with the approval of Secretary (AYUSH). The Committee comprises of domain experts from different fields and has representations from the following organizations/ Ministries:

  I. National Horticulture Board  
  II. ICAR  
  III. CSIR  
  IV. Department of AYUSH  
  V. North Eastern Council, Shillong  
  VI. Domain experts nominated by Secretary (AYUSH)- Two
VII. National Medicinal Plants Body - Member Secretary

The committee examines and recommends action plans submitted by different states.

Standing Finance Committee (SFC)

The Board has a Standing Finance Committee (SFC), which is headed by Secretary (AYUSH). This committee acts as the Executive Committee of the Mission. The committee is the final authority for approval of state action plans recommended by the TSC.

- State Level Steering Committee for the Mission

The State level Steering Committee is headed by Addl. Chief Secretary/ Agriculture Production Commissioner/ Development Commissioner at the State level to provide directions and guidance for implementation of the Scheme as well as approve the action plans of the respective states.

- Implementing Agencies

The scheme is being implemented in states through State Horticulture Missions designated as Mission Directors who are also the Member Secretaries of the State Level Steering Committees. In some cases, State Govt. has also nominated State Medicinal Plants Boards as Implementing Agencies. Out of 27 States, where the scheme is being implemented presently, 19 Mission Directors are the Directors of Horticulture and remaining 8 are CEOs of SMPBs and other Herbal Boards (Annexure-I).

- Prioritized species of Medicinal Plants

Board has also prioritized 116 important species of medicinal plants (Annexure-II), which have a potential for cultivation, marketing, trade and are raw materials for herbal medicines. The commercial cultivation of medicinal plants offers opportunities for crop diversification and income generation to the farmers. However, development of sound agro-techniques for the plants that have traditionally been collected from forests has been a major challenge in promoting cultivation. In this background agro-techniques for some of the important medicinal plants by involving the R&D institutions and universities in the country have been developed.

Achievements of the Mission Scheme during 2012-13

- National Mission on Medicinal Plants is being implemented in 26 States.
- Established 62 model and small nurseries for production of quality planting material of medicinal plant species.
- Supported cultivation over an area of 29787.75 ha.

OTHER IMPORTANT ACTIVITIES

(i) Strengthening of State Medicinal Plants Boards:

Financial assistance is being provided to State Medicinal Plants Boards for their day-to-day activities including the monitoring of sanctioned projects. At present 35 State Medicinal Plants Board (Annexure-III) are working in different states to implement the schemes of NMPB.

(ii) Involvement of Agricultural Finance Corporation Ltd. for 100% 3rd party Monitoring and Evaluation of project sanctioned by NMPB:

NMPB has initiated 100% monitoring of all projects under the Central Sector Scheme for Conservation, Development and Sustainable Management of Medicinal Plants (except R&D) through Agricultural Finance Corporation. This has enabled better utilization of resources as funds are released only to well performing projects.

(iii) Setting up Facilitation Centres (FCs) for Extension and Support Services on medicinal plants:

Since SMPBs in states / UTs are not adequately equipped with staff and infrastructure support, NMPB has set up Facilitation Centres in State Agriculture Universities and R&D Institutions. These centres act as one stop shops for growers and other stake holders and would work in close coordination with SMPBs. 16 Facilitation Centres are functioning in different parts of the country as per Annexure-IV.

(iv) Database on quantum of raw material used by ASU Industry:
The Department of AYUSH has issued a notification under the Drugs and Cosmetics Act making it mandatory for ASU Industries to provide information on the quantum of raw material used in the form of annual statements of species wise consumption. The information has to be furnished to NMPB or an agency appointed by it by 30th June of every year.

(v) Creation of Awareness and dissemination of information

Brochures, posters, bulletins and e-book etc. consisting of information on cultivation, therapeutic values, cultivation economics and objectives/ activities of Medicinal Plants Board were prepared for wider dissemination. Participated in Arogya and other Health Melas for propagation of information through display and distribution of publicity material relating to development of medicinal plants sector and schemes of NMPB.

(vi) Good Agriculture Practices and Good Field Collection Practices

The quality of AYUSH products is critically dependent upon the quality of raw material used for their manufacturing. For the purpose of ensuring the quality of the manufacturing process, the Government has already notified Good Manufacturing Practices (GMPs) under the Drugs & Cosmetics Act. The quality of raw material used, however, is generally assessed with reference to the adoption of Good Agricultural & Collection Practices. The World Health Organization (WHO) has already evolved guidelines on Good Agricultural and Collection Practices (GACPs). The National Medicinal Plants Board, Department of AYUSH has through a wide ranging consultative process, also developed Good Agricultural Practices for cultivated Medicinal Plants and Good Field Collection Practices for the collection of medicinal plants.

(vii) Voluntary Certification Scheme for Medicinal Plants

The National Medicinal Plants Board has developed the Certification Standards and Procedures and Scheme of Certification through Quality Council of India (QCI). Under the Scheme, any producer / collector / group of producers or collectors can obtain a certification from a designated Certification Body (CB) and will be under regular surveillance of the certification body. An option of getting a lot inspected and certified has also been made in the Scheme. It also allows certification of intermediaries like traders who may source certified medicinal plant material and supply further. The certification process in general would cover following steps viz. Registration of Application, Evaluation(s) at the site, Testing of sample(s), Grant of Certificate, Periodic Surveillance Evaluation, Market sampling and Renewal of certificate.

The Voluntary Certification in the field of Medicinal Plants Sector would go a long way in improving the quality of raw material to Ayurveda, Siddha and Unani industry and other sister industries.

D. RESEARCH COUNCILS:

The Central Council for Research in Indian Medicine and Homoeopathy (CCRIMH) was established in 1969 to carry out research in Ayurveda, Siddha, Unani, Yoga and Homoeopathy under the Ministry of Health and Family Welfare. Later, in 1978, this composite Council was dissolved to pave the way for the formation of four independent Research Councils, one each for Ayurveda and Siddha, Unani, Homoeopathy and Yoga and Naturopathy. The four successor Research Councils were established as autonomous organizations registered under Societies Act, to initiate, guide, develop and coordinate scientific research, both fundamental and applied, in different aspects of their respective systems. The Research Councils, which are fully financed by the Government of India, are the apex bodies for scientific research in the concerned systems of medicine. The research activities of the Research Councils are monitored and reviewed periodically in order to ensure that the research is focused and that it is undertaken in a time bound manner. The outputs of the research studies are disseminated among educationists, researchers, physicians, manufacturers and the common man.

(i) Central Council for Research in Ayurveda Sciences (CCRAS):

The Central Council for Research in Ayurvedic Sciences (CCRAS), Department of AYUSH, Ministry of Health and Family Welfare, Government of India, an autonomous body for undertaking, coordinating, formulating, developing and promoting research in Ayurveda on scientific lines. The activities are carried out through 30 Institutes/Centres/Units located at...
different states across the country and also in collaboration with reputed academic and research organizations. The broad areas of research comprise Medicinal Plant Research (Medico-ethno Botanical survey, cultivation, Pharmacognosy), Drug standardization Research, Pharmacology Research (Pre-clinical Safety/Toxicity and Biological Activity Studies), Clinical Research, Literary Research & Documentation. The extension activities include Tribal Health Care Research, Health Care Services, Information, Education and Communication (IEC) etc.


The main objectives comprise

1. The formulation of aims and patterns of research on scientific lines in Ayurvedic Sciences.
2. To undertake any research or other programmes in Ayurvedic sciences.
3. The prosecution of and assistance in research, the propagation of knowledge and experimental measures generally in connection with the causation, mode of spread and prevention of diseases.
4. To initiate, aid, develop and coordinate scientific research in different aspects, fundamental and applied of Ayurvedic Sciences and to promote and assist institutions of research for the study of diseases, their prevention, causation and remedy.
5. To finance enquiries and researches for the furtherance of objects of the Central Council.
6. To exchange information with other institutions, associations and societies interested in the objects similar to those of the Central Council and especially in observation and study of diseases in East and in India in particular.
7. To prepare, print, publish and exhibit any papers, posters, pamphlets, periodicals and books for furtherance of the objects of the Central Council and contribute of such literature.
8. To undertake R&D consultancy projects and transfer of patents on drugs and process to industry.
10. To undertake international and interagency collaboration.

For further details, visit CCRAS Website: www.ccras.nic.in

(ii) Central Council for Research in Siddha (CCRS):

Siddha System of Medicine is an ancient system of Medicine for preventive curative and healthy living of human beings.

Siddha system of Medicine is based on mukkutram namely vali (vatham), Azhal (pitham) and Iyam (kabam). The doctrine of Siddha Medicine is “Food is Medicine and Medicine is Food”. According to Siddha System one should always consume food only after complete digestion of food and shall never be taken in full stomach. One fourth of the stomach left empty to enhance proper digestion.

Varman (Pressure manipulation therapy) is special kind of treatment in siddha System and specific points being manipulated by pressure with the figure and the pain is relieved and the restricted movement becomes free and active.

Thokkanam is another type of treatment which includes applying Oil on the area of swelling and pain and doing massage so that the neuromuscular and musculoskeletal pain and swelling is relieved.

The term Siddha means achievement and Siddhars are those who have achieved perfection in medicine. Eighteen Siddhars are said to have contributed towards the systematic development of this system and recorded their experiences in Tamil language.

The Siddha system of Medicine emphasizes on the patient, environment, age sex, race, habits, mental frame work, habitat, diet, appetite, physical condition, physiological constitution of the diseases for its treatment which is individualistic in nature. Diagnosis of diseases are done through examination of
tongue, colour, study of voice, eyes, touch, motion, urine, pulse of body and status of the digestion of individual patients. System has unique treasure for the conversion of metals and minerals as drugs and many infective diseases are treated with the medicines containing specially processed mercury, silver arsenic, lead and sulphur without any side effects. The strength of the Siddha system lies in providing very effective therapy in the case of Psoriasis, Neuromuscular and Neuroskeletal disorders, Joint disorders, Chronic liver disorders, Benign prostate hypertrophy, bleeding piles, peptic ulcer and various kinds of Dermatological disorders.

During the last six decades, there has been continuous development in Siddha medical education and this has led to the establishment of the National Institute of Siddha at Chennai as an apex Institute is having six specialties in postgraduate teaching leading to the award of M.D (s) Degree. The courses are Maruthuvam (General Medicine, Gunapadam (Pharmacology), Sirappu Maruthuvam (Special Medicine), Kuzhanthai Maruthuvam (Paediatrics), Noi Nadal (Pathology) and Nanju Nool & Maruthuva Neethinool (Toxicology).

For development of focused research in Siddha System of Medicine Govt. of India has constituted Central Council for Research in Siddha (CCRS), an autonomous body by bifurcating Central Council for Research in Ayurveda and Siddha (CCRAS),

Kayakalpam is a special medicine for longevity to keep one always young and energetic by taking simple Herbs like Ginger with honey. Kayakalpam has many types like General kalpam, Special Karpam and Moogai Thathu Jeeva Kalpam mentioned by Siddhars to keep the human beings always healthy and active.

The Central Council for Research in Siddha (CCRS) (Website: www.crisiddha.tn.nic.in) is an apex body for the formulation, Co-ordination and development of scientific validation of Siddha System of Medicine and was established as a separate Research Council w.e.f. September 2010. The research activities of CCRS are carried out through 5 peripheral Institutes / Units in the State of Tamilnadu, Kerala and the U.T. of Puducherry. These units include 1 Central Research Institute at Chennai, 2 Regional Research Institutes at Puducherry and Thiruvananthapuram, 1 Clinical Research Unit at Palayamkottai, 1 Medicinal Plants Garden at Mettur. This is inclusive of 2 attached hospitals at Chennai and Puducherry; 2 attached dispensaries at Palayamkottai and Thiruvananthapuram. The council emphasis on finding effective and low cost remedies for various disease conditions through systematic research. The research activity of the council includes clinical research, fundamental research, drug research and literary research.

The main objectives of the CCRS are following:-

- The formulation of aims and patterns of research on scientific lines in Siddha.
- To undertake any research or other related programmes in Siddha.
- The prosecution of and assistance in research, the propagation of knowledge and experimental measures generally in connection with the causation, mode of spread and prevention of diseases.
- To initiate, aid, develop and coordinate scientific research in different aspect, fundamental and applied aspects of Siddha and to promote and assist institutions of research for the study diseases, their prevention, causation and remedy.
- To finance enquires and researches for the furtherance of objects of the Central Council.
- To exchange information with other institutions, associations and societies interested in the objects similar to those of the Central council and specially in observation and study of diseases in India in particular.
- TO prepare, print, publish and exhibit any papers, posters, pamphlets, periodicals and books for furtherance of the objects of the Central Council and contribute to such literature.
- To create Administrative, Technical and Ministerial and other posts under the Society and to make appointments thereto in accordance with the rules and regulations of the Society.
- To undertake R & D Consultancy projects and transfer of patents on drugs and process to industry.
- To undertake R & D projects sponsored by industries in Public / Private Sector.
(iii) Central Council for Research in Unani Medicine (CCRUM):

The Central Council for Research in Unani Medicine (CCRUM) is an autonomous organization under Department of AYUSH, Ministry of Health and Family Welfare, Government of India. The Council was established on 30 March 1978 under Societies Registration Act, 1860. However, it started functioning from 10 January 1979. The main objectives of the Council are as follows.

- Formulation of aims and patterns of research on scientific lines in Unani Medicine.
- To undertake research or any other programmes in Unani medicine.
- Prosecution of and assistance in research and propagation of knowledge and experimental measures generally in connections with the causation, mode of spread and prevention of diseases.
- To initiate, aid, develop and coordinate scientific research on different aspects, fundamental and applied, of Unani medicine, and to promote and assist institutions of research for the study of diseases, their prevention, causation and remedy.
- To finance enquiries and researches for the furtherance of objectives of the Council.
- To exchange information with other institutions, associations and societies interested in the objectives similar to those of the Council especially in the observation and study of diseases in the East in general, and in India in particular.
- To prepare, print, publish and exhibit any articles, posters, pamphlets, periodicals and books for furtherance of the objectives of the Council and to contribute to such literature.

The Council’s research programme comprises clinical research, drug research, literary research and survey and cultivation of medicinal plants. Besides, extension health services and Information, Education & Communication (IEC) activities are also part of the Council’s programme. The Council’s research activities are being carried out though a network of 24 Institutes/Units functioning in different part of the country. These include two Central Research Institute of Unani Medicine (CRIUM) - one each at Hyderabad and Lucknow, eight Regional Research Institute of Unani Medicine (RRIUM) - one each at Chennai, Bhabadak, Patna, Aligarh, Mumbai, Srinagar, Kolkata and New Delhi; two Regional Research Centres of Unani medicine (RRCUM) - one each at Allahabad and Silchar (Assam) with an extension Centre at Karimganj; five Clinical Research Units (CRUs) - one each at Bangaluru, Meerut, Bhopal, Burhanpur and Edathala with satellite centre at Kumbalnghi (Kerala); a Drug Standardization Research Institute at Ghaziabad; a Drug Standardization Research Unit (DSRU) at New Delhi; a Chemical Research Unit (CRU) at Aligarh and Literary Research Institute of Unani Medicine (LRIUM) at New Delhi. Besides, two Unani Medical Centres (UMCs) are also functioning in modern allopathic hospitals in New Delhi. A Clinical Research Pilot Project (CRPP) is also functioning in Manipur. The Headquarters of the Council is in New Delhi.

The Council is engaged in multifaceted research activities. In the area of clinical research, pre-clinical safety evaluation studies, multicentric randomized controlled trials and comparative controlled trials are being conducted in some common and chronic diseases with main emphasis on national health priorities. Besides, validation studies of Pharmacopoeial/classical formulations in different common and chronic ailments are also continued. The Council is also busy in validating the efficacy of fast acting Unani drugs in different disease conditions.

Research on fundamental aspects of Unani medicine is also continued with a view to scientifically validate different concepts correlating with modern scientific parameters. Besides, experimental validation of Unani regimental therapies is also being undertaken in different chronic conditions.

In the area of drug research, development of Standard Operating Procedures (SOPs) for single and compound drugs is being done. The standards so developed have been incorporated in the Unani Pharmacopoeia of India. Modification in the form of the Unani drugs to make it more palatable using modern pharmaceutical techniques is also being done. Quality control of Unani drugs is also part of this Programme.

In the literary research programme, collation, editing and translation of classical Unani books is being done. Besides, reprinting of out of print classical books also continued. Disease-
wise data base of information available in the Unani classics is also being developed. Work on compilation of standard treatment guidelines in Unani Medicine is continued.

In the area of survey & cultivation of medicinal plants, the Council is busy undertaking ethanobotanical explorations of different forest areas collecting information on available medicinal flora. Besides collecting information on medicinal folk claims from different tribes in the region so as to develop a database is also part of this programme. Experimental cultivation of some important medicinal plants is also being undertaken at the Council’s herb gardens.

Extension health services is being provided to the patients seeking Unani treatments through general OPD at the Council’s clinical centres, mobile OPD at the door steps of the patients in rural areas, Scheduled Castes/Scheduled Tribes pockets and urban slums and two Unani Specially Centre in Allopathic Hospitals in New Delhi.

Under the Information, Education and Communication (IEC) activities, the Council organizes conferences, seminars, workshops, with a view to disseminate the research outcomes to the practitioners, scholars and students. Besides the Council also participate in health exhibitions, health camps and AROGYAs with a view to propagate the system among the masses in the country and abroad.

(iv) Central Council for Research in Yoga & Naturopathy (CCRYN):

Central Council for Research in Yoga & Naturopathy was established in 1978 with a view to provide better opportunities for all round development of Yoga and Naturopathy independently according to their own doctrines and fundamental principles (website: www.ccryn.org).

Objectives of the Council:

- Formulation of aims and patterns of Research on scientific lines in Yoga and Naturopathy.
- Undertaking education, training, research and other programmes in Yoga and Naturopathy
- Promoting and assisting institutions in the prosecution of research, propagation of knowledge and experimental measures in connection with the study of disease, their prevention, causation and remedy especially with emphasis for covering the rural population of the country.
- Initiation, aiding, developing and co-coordinating scientific research in fundamental and applied aspects of Yoga and Naturopathy.
- Financing enquiries and research for the furtherance of objects of the Council and exchanging information with other institutions, associations and societies having similar object.
- Preparing, printing, publishing and exhibiting papers, posters, pamphlets, periodicals and books for the furtherance of the objectives of the Council and to contribute to such literature.
- Scholarships for Ph.D. Fellows.

Research Activities:

The Council has been involved in carrying out research on various aspects of Yoga and Naturopathy by funding such research in various institutions. Leading Medical as well as Yoga institutions are involved in conducting Clinical Research in the field of Yoga and Naturopathy with the financial support of the Council are as under:

1. All India Institute of Medical Sciences (AIIMS), New Delhi;
2. National Institute of Mental Health & Neuro-Sciences (NIMHANS), Bengaluru;
3. Dr. RML Hospital, New Delhi; GTB Hospital, New Delhi; and
4. Vivekananda Yoga Anusandhan Sansthan, Bengaluru etc.

Council has completed 37 research studies in past and at present 15 clinical research projects and 1 literary research projects are ongoing and 44 research papers have been published by the council so far.

Research Publication:

Research Monographs Published so far:

1. Coronary Atherosclerosis Reversal Potential of Yoga Life Style Intervention
2. Clinical Research Profile
3. Yoga and Biofeedback for the treatment of Irritable Bowel Syndrome
4. Yoga for Computer Related health Problems
5. Yogic Relaxation in the Management of Ulcerative Colitis
6. Uni-nosiril Yoga breathing and Obesity: A study of efficacy & Mechanisms
7. Effect of Asans and Pranayams on Neurological, Neuromuscular & Cardio-Respiratory functions in Healthy Human Volunteers
8. Autonomic Function Tests in Epilepsy: Effect of Hatha Yoga
9. Assessment of the efficacy of Vipasana Meditation on various age groups: A polysomnographic and endocrine function evolution.
10. A Randomized Controlled Trial on the Efficacy of Yoga in the Management of Bronchial Asthma
11. Research Methodology in Yoga & (compilation of presentations of workshop in Research Methodology)
12. Research Methodology in Naturopathy & Yoga-II (compilation of presentations of workshop in Research Methodology)

Propagational Activities:

OPD run by CCRYN
OPD facilities of Yoga and Naturopathy are provided in Delhi and outside Delhi in various Govt. Hospitals/Institution/ H.Q.

1. Safdarjung Hospital,
2. Lady Harding Medical College,
3. Dr. R.M.L. Hospital,
4. Ch. Brahm Prakash Ayurvedic Charak Sansthan,
5. University College of Medical Sciences,
6. Naturopathy Hospital, Rohini and
7. CCRYN Headquarters
8. Pt. B. D. Sharma Post Graduate Medical Institute, Rohtak

Yoga Fitness Classes:

Council is also conducting yoga classes as under:

I Council Headquarter, Janakpuri, New Delhi for general public 6 days a week
II Udyog Bhawan, New Delhi for Government employee 5 days a week.

Central Research Institutes:

Council is in the process of establishing its Central Research Institutes in Nagmangala, Karnataka, Bahadurgarh, Distt.Jhajjar, Haryana, Bhubaneswar, Odisha and at Rohini, Delhi for carrying out research activities.

(v) Central Council for Research in Homoeopathy (CCRH):

The Central Council for Research in Homoeopathy, an autonomous research organization under the Department of AYUSH, Ministry of Health & Family Welfare, Government of India came into existence in 1978. Over the years, the Council has evolved into a premier research organization with the objective of undertaking research in Homoeopathy in the fundamental and applied aspects on modern parameters, collaborating with Institutes of excellence for taking up such research studies, exchanging research information with institutions, organizations and societies with similar aims and propagating research findings through publications and seminars.

At present, CCRH has a network of 33 Institutes/Units including 04 independent Extension Units across the country which comprises of two (02) Central Research Institutes (H), (CRIH), Kottayam (Kerala) & Nodia, (U.P.), one (01) Homoeopathic Drug Research Institute (HDR), Lucknow, (U.P.), eight (08) Regional Research Institutes (Homoeopathy) (RRIH), Mumbai (Maharashtra), Gudivada, (Andhra Pradesh), Jaipur (Rajasthan), Imphal (Manipur), Guwahati (Assam), Shimla (Himachal Pradesh), Puri (Odisha) & Kolkata (West Bengal), eleven (11) Clinical Research Units for Homoeopathy Chennai (Tamil Nadu), Siliguri (West Bengal), Port Blair (Andaman and Nicobar Islands), Ranchi (Jharkhand), Puducherry (U.T.), Tirupati (Andhra Pradesh), Dimapur (Nagaland), Aizwal (Mizoram), Shillong (Meghalaya), Agartala (Tripura), Gangtok (Sikkim), one (01) Clinical verification Unit, Patna (Bihar), one (01) Drug Standardization Unit at Hyderabad (Andhra Pradesh), One (01) Survey of Medicinal Plants and Collection Unit (SMPCU), Ooty (Tamil Nadu), four (04) Extension Units, Gorakhpur(Uttar Pradesh), Puri (Odisha), Diglipur (Port Blair) & Hyderabad (Andhra Pradesh), one (01) Homoeopathic Treatment Centre (HTC) at Safdarjung Hospital, New Delhi and there are three (03) OPD Centers,

Nedumangad (Kerala), Delhi Cantonment (New Delhi) & Lady Harding Medical College (New Delhi).

The Council has IPD facilities at four (04) Centers (Kottayam, Noida, Gudivada and Puri) and OPD service at twenty nine (29) Centres. Out of the Units mentioned above, the Units of the Council that are not directly dealing with the patients are Drugs Proving Extension Units at Regional Research Institute (H), Puri and Survey of Medicinal Plants and Collection Unit, Ooty.

The Main Objectives of CCRH are:

- Formulation of aims and patterns of research on scientific lines in Homoeopathy.
- Initiation, development, undertaking and co-ordination of scientific research in fundamental and applied aspects of Homoeopathy.
- Research studies in collaboration with other institutes of excellence of allied sciences towards promotion of Homoeopathy.
- Exchange of information with other institutions, associations and societies interested in the objects similar to those of the Council.
- Propagation of research findings through monographs, journals, Newsletters, IEC materials, seminars/workshops & develop audiovisual aids for dissemination of information to the profession & Public.

The main areas of research of the Council are Clinical Research, Drug Standardization, Drug Proving, Clinical Verification, Survey, Collection and Cultivation of medicinal plants, Fundamental and Basic Research studies, Literary Research and Research during Epidemics.

E. STATUTORY REGULATORY BODIES:

There is a need to initiate measures to improve the standards of Medical Education by revising curricula to contemporary relevance by creating medical institutions and Centre of Excellence and providing assistance for infrastructural growth. The Department is committed for the development and propagation of Ayurveda, Yoga, Naturopathy, Unani, Siddha and Homoeopathy systems and strives to maintain standards of education in the existing colleges. AYUSH teaching institutions are being provided financial assistance for creating infrastructural facilities as specified in the Minimum Standards Regulations and the regulations of Under-graduate, Post-graduate education and Post-graduate Diploma course issued by Central Council of Indian Medicine (CCIM) and Central Council of Homoeopathy (CCH). So far, total (516) i.e. 328 and 188 colleges/institutions have been permitted by CCIM and CCH respectively to undertake UG/PG courses and these colleges are affiliated with 76 recognized universities throughout the country including three exclusive Ayurveda universities and six Health Universities (Annexure - VI).

Regulation of Medical education and maintenance of Central Register of ISM &H are two main functions of these regulatory bodies. There are 48 State Boards of Indian System of Medicine and Homoeopathy (Annexure - VII) for registering AYUSH practitioners possessing recognized medical qualifications.

(i) Central Council of Indian Medicine (CCIM):


- To maintain a Central Register of Indian Medicine and revise the Register from time to time.
- To Prescribe Standards of Professional Conduct, Etiquette and Code of Ethics to be observed by the practitioners.
- To consider and furnish the recommendations to Government of India on the proposal received from various
institutions through Government of India for establishment of new colleges of Indian Systems of Medicine, to increase intake capacity in Under-graduate course/Post-graduate course and to start new Post-graduate course or additional subjects.

Since its establishment in 1971, the Central Council has been framing on and implementing various regulation including the Curricula and Syllabii in Indian Systems of Medicine viz. Ayurved, Siddha and Unani Tib at Under-graduate level and Post-graduate level.

Now all the Colleges of Indian Systems of Medicine are affiliated to 46 Universities in the Country. These Colleges are following the minimum standards of education and Curricula and Syllabii, prescribed by Central Council.

The Central Council of Indian Medicine has prescribed Regulations for Under-graduate and Post-graduate courses of Ayurveda, Siddha and Unani Tib considering that after completion of education, they would become profound scholars having deep basis of Ayurved, Siddha and Unani with scientific knowledge in the fundamentals of respective systems. Through extensive practical training students become an efficient Teachers, Research scholars, Kayachikitsak (Physicians) and Shalya Chikitsak (Surgeons) who are fully competent to serve in the medical and health services of the Country. The Central Council has prescribed the following Regulations:-

Regulations framed by CCIM with the previous sanction of Government of India.

1.) Central Council of Indian Medicine (Election of President and Vice-President) Regulations, 1971.


9.) Indian Medicine Central Council (Post-graduate Ayurveda Education) Regulations, 2005 for Ayurveda Vachaspati MD (Ay.) and Ayurved Dhanwantari (MS-Ay.) amended in 2012.

10.) Indian Medicine Central Council (Post Graduate Unani Education) Regulations, 2007 for Mahir-e-Tib (Doctor of Medicine) & Mahir-e-Jarahat (Master of Surgery).

11.) Indian Medicine Central Council (Post-graduate Education) Regulations, 1986 and further added in 1994 for Siddha Maruthuva Perarignar, MD (Siddha) Course.

12.) Establishment of New Medical College opening of new or Higher Course of Study of Training and Increase of Admission Capacity by a Medical College Regulations, 2003.

13.) Indian Medicine Central Council (Permission to Existing Medical Colleges) Regulations, 2006.

14.) Indian Medicine Central Council (Post-Graduate Diploma Course) Regulations, 2010 and Amended in 2013.


17.) India Medicine Central Council (Minimum Standards Requirement of Siddha Colleges and attached Hospitals) Regulation 2013.
Amendment in the Second Schedule


Status/Number of College

At present there are 261 Ayurved, 09 Siddha and 41 Unani Colleges, affiliated with various Universities of the Country. 78 colleges in Ayurved, 4 in Siddha and 9 in Unani imparting Post-Graduate Education in different specialties.

Central Council has prescribed following courses at Under-graduate and Post-graduate level. Minimum Standards of education and syllabi for different courses for Ayurveda, Siddha and Unani Tib have also been laid down by the Council.

Ayurveda

Ayurvedacharya (Bachelor of Ayurvedic Medicine & Surgery) - 5-1/2 Years
Ayurved Vachaspati (MD-Ayurved) - 3 Years
Ayurved Dhanwantari (MS-Ayurved) - 3 Years
Diploma in Ayurved - 2 years

Unani Tib

Kamil-e-Tib-o-Jarahat (Bachelor of Unani Medicine & Surgery) - 5-1/2 years
Mahir-e-Tib (MD-Unani) - 3 years
Mahir-e-jarahat (MS-Unani) - 3 years
Diploma in Unani - 2 Years

Siddha

Siddha Maruthuva Arignar (Bachelor of Siddha Medicine & Surgery) - 5-1/2 years
Siddha Maruthuva Perignar (MD-Unani) - 3 years.

As per provision of Section 14(2) of IMCC Act, 1970 following qualifications have been included under 2nd Schedule to the IMCC Acts, 1970. (Details can be seen at Annexure A)

CENTRAL REGISTER OF INDIAN MEDICINE.

Preparation and maintenance of Central Register of Indian Medicine is one of the main objects of the Central Council. As per provisions of the IMCC Act, 1970, Central Council is maintaining a Central Register in the prescribed manner, which is containing, the names of persons who are enrolled on any State Register of Indian Medicine and who possess any of the recognized medical qualifications included in the Schedules to the Indian Medicine Central Council Act, 1970. The maintenance of Central Register of Indian Medicine and updating of the same is a continuous process.

(ii) Central Council of Homoeopathy (CCH):

The Central Council of Homoeopathy is a corporate body constituted by the Government of India under the provisions of Homoeopathy Central Council Act, 1973 (website: www.cchindia.com). This council is comprised of members elected from the States/U.T.s and from Faculties/Departments of Homoeopathy in Universities and of members nominated by the Central Government. Its main objectives are:

- Regulation of Medical education in Homoeopathy.
- Maintenance of a Central Register of Homoeopathic Practitioners in the country.
- Prescribing standards of professional conduct, etiquette and a code of ethics for the practitioners of Homoeopathy.
- Recommending recognition and / or withdrawal of recognition of medical qualification in Homoeopathy awarded in India.
- Recommending recognition of medical qualification in Homoeopathy awarded outside India on reciprocal basis.
- Recommending for approval of a new college or increase of seats of starting of new or higher courses in existing colleges.

(a) Regulation of Medical Education of Homoeopathy:

The Homoeopathy Central Council Act, 1973 was amended in 2002 (but amendments were enforced w.e.f. 28.1.2003) and the power to grant permission for starting new colleges, introducing new or higher courses of study and
increasing the number of seats in a college has been vested with the Central Government on the recommendation of the Central Board. The Regulations of HCC Act, 1973 prescribed for Under Graduate degree course 'Bachelor of Homoeopathic Medicine and Surgery (BHMS)' (5 1/2 years), and a (bridge) graded degree course BHMS of 2 Years and at Post Graduate level M.D. (Hom) courses (3 years) in seven specialty subjects are continuing. Following are the relevant Regulations:

- Homoeopathy (Degree Course) Regulations, 1983 further amended in 2003 and 2005 respectively.
- Homoeopathy (Graded Degree Course) Regulation, 1983 (further amended in 2001).

The Central Council of Homoeopathy enforced the Establishment of New Medical College (opening of New or Higher course of Study of Training and Increase of admission capacity by a Medical College) Regulations 2011 to deal with the matters of opening of new colleges or increase of seats or starting of new or higher courses in existing colleges.

In supersession of its earlier Regulations namely Homoeopathy (Minimum standards of Education Regulations, 1983, the Central Council notified Homoeopathy Central Council (Minimum Standards Requirements of Homoeopathic Colleges and attached Hospitals) Regulations, 2013 which are to be fulfilled by the existing colleges. The Central Council monitors the standards of education by way of inspections of Homoeopathic Medical Colleges and attached hospitals as well as of Examinations.

(b) Central Register of Homoeopathy:

Under the provisions of Homoeopathy Central Council Act, 1973, CCH has the responsibility to maintain the Central Register of Homoeopathy in two parts (Part I and in Part II); Part I contains the names of all the persons who possess any of the recognised medical qualification in Homoeopathy and Part II contains the names of all the persons other than those included in Part I who were enrolled on any State Register of Homoeopathy before the commencement of the provisions of the Homoeopathy Central Council Act, 1973. Direct registration is also done by Central Council as per its registration Regulations, 1982. As reported by State Governments, there are 2.50 lakh Homoeopathy doctors in the country.

(c) Code of Ethics:

The Central Council has also laid down Homoeopathic Practitioners (Professional Conduct, Etiquette & Code of Ethics) Regulations, 1982 which have to be followed by Homoeopathic Practitioners.

F. NATIONAL INSTITUTES:

National Institutes in various AYUSH systems have been set up by the Central Government to set benchmarks for teaching, research and clinical practices. Upgrading these National institutes into Centres of Excellence has been a constant endeavour of the Department. There are three National Institute under Ayurveda system, whereas, one National Institute exists each in Unani, Siddha, Yoga, Naturopathy and Homoeopathy systems.

(i) National Institute of Ayurveda (NIA), Jaipur:

National Institute of Ayurveda, Jaipur established in 1976 by the Government of India, is an apex Institute of Ayurveda in the country to develop high standards of teaching, training and research in all aspects of the Ayurvedic System of Medicine with scientific approach (website: www.nia.nic.in). It is affiliated to the Rajasthan Ayurved University, Jodhpur. The Institute is conducting an Under-Graduate Course (BAMS) (92 Seats). The Institute is also conducting a three year Post-Graduate Course "Ayurveda Vachaspati" (M.D./M.S.Ayurveda) in 14 Subjects, viz. Dravya Guna Vigyana, Kayachikitsa, Kaumarbhritya, Panchakarma, Rasa Shastra and Bhaishajya Kalpana, Roga and Vikriti Vigyan, Maulik Siddhanta (Samhita), Shalya Tantra, Sharir Kriya, Sharir Rachana, Swastha Vritta, Shalakya Tantra, Prasuti, Stre Roga and Agad Tantra with admission capacity of 104 students. The Institute also grants regular Fellowships leading to the award of Ph.D.(Ayurved) in 14 Subjects, viz. Kaya Chikitsa, Shalya Tantra, Maulik Siddhanta, Rog & Vikrati Vigyan, Dravya Guna, Sharir Kriya, Panchakarma, Rasa Shastra, Kaumar Bhritya, Prasuti Tantra-Stre Roga, Sharir Rachana, Agad Tantra, Shalakya and Swasthvritta. The Institute also conducts a Diploma Course in Ayurveda Nursing and
Pharmacy of two and a half years duration with an intake capacity of 30 seats annually and 3 months Panchkarma Attendant Training Course in Classical and Keraliya Panchakarma Procedure with an intake capacity of 20 Seats (10 for SC and 10 for others). Besides, the Institute is involved in Clinical Research. The Institute has 2 Hospitals with a Bed Strength of 300. It also has a separate fully equipped Panchakarma unit and also Speciality Clinics like Geriatrics & Dietetics, Nature Cure, Diabetic, Allergic, Child Mental Health and Centre of Excellence for Musculoskeletal Disorders and a Centre of Excellence for Eye Diseases in collaboration with Sreedhareeyam of Kerala. There is a Central Laboratory for various types of patient investigations including TMT, ECG etc. The Institute has a Satellite Clinic in a popular residential-cum-commercial area of Jaipur (Jawahar Nagar). NIA is also conducting Short Term Training Course for Foreign Medical and non-medical Professionals. More such collaboration projects with some foreign countries are also in the pipeline.

The Institute has entered into MOU with the University of Connecticut, School of Medicine and International Society for Ayurveda and Health Farmington USA, MOU with the Gerontology Science Coordination Center Nyiregyhaza Hungary, MOU with the West Indies University, for Collaboratin in Ayurveda Teaching, Training, Research, Treatment, Publication, exchange of experts, etc.

(ii) Rashtriya Ayurveda Vidyapeeth (RAV), New Delhi:

The Rashtriya Ayurveda Vidyapeeth, New Delhi, an autonomous organization, registered under Societies’ Act was established in 1988 (website: www.ravdelhi.nic.in). The RAV imparts practical training to Ayurvedic graduates and post graduates through the Guru-Shishya Parampara i.e. the traditional method of transfer of knowledge.

The one-year course of Member of Rashtriya Ayurveda Vidyapeeth (MRAV) facilitates literary research for the acquisition of knowledge of the Ayurvedic Samhitas and commentaries thereon in order to enable the doctors of Ayurveda to become good teachers, research scholars and experts in Samhitas. The doctors, who have completed post graduation in Ayurveda and below 30 years of age, are admitted for critical study on Samhita, related to their P.G. studies.

In the other one-year Certificate Course of Rashtriya Ayurveda Vidyapeeth (CRAV), doctors possessing Ayurvedacharya (BAMS) or equivalent degree who are below the age of 27 years, are trained under eminent Vaidyas in Ayurvedic clinical and other practices to become experts in clinical skills.

The Vidyapeeth organizes Seminars/Workshops every year to disseminate traditional knowledge and research outcome to practitioners and researchers. The Vidyapeeth also conducts Interactive Workshops for the discussion of controversial topics of Ayurveda between students and teachers so as to provide clarity for further utilization in the fields of education, research and patient care.

The Vidyapeeth is also assisting the Department of AYUSH in implementing Central Sector Scheme of Continuing Medical Education (CME) in AYUSH systems all over the country to update the teachers, doctors, paramedics and other personnel in advances made in AYUSH sectors facilitating them to render better services.

(iii) Institute for Post Graduate Teaching and Research in Ayurveda (IPGT&RA), Jamnagar (GUJARAT):

Institute for Post Graduate Teaching and Research in Ayurveda (IPGT & RA) is established by Govt. of India in 1956. It is one of the constituent Institute of Gujarat Ayurveda University and is the oldest PG teaching and Research Centre for Ayurveda in India. World Health Organization (WHO) has recognized IPGT & RA as a Collaborative centre for Traditional Medicine (Ayurveda) which is the first and only Ayurveda centre throughout the world till date.

IPGT & RA comprises of 10 teaching departments with teaching facilities in 15 specialties of Post-Graduation [MD / MS & PhD (Ayu.)], Self Finance Course (SFC) Cell of the institute conducts M Pharma (Ayu.) and MSc (Medicinal Plants) courses. Besides these; the institute also conducts short term courses like Introductory Couse in Ayurveda for Foreigners (3 months) ; Training programme in Panchakarma (4 Months) etc. at regular intervals. Gujarat Ayurved University has signed MoU with many National and International Institutions and IPGT&RA is the nodal implementing agency for all these MoUs. The thrust areas of research are Madhumeha (Diabetes), Tamaka Swasa (Bronchial Asthma), Sthaulya (Obesity), Jara (Old age disorders & Pre mature ageing), Buddh
Mandya (Mental Retardation) Cerebral Palsy, Vandhyatva (infertility), Vrana Ropana (wound healing) etc.

The institutional hospital caters treatment at both inpatient and outpatient department levels. The inpatient capacity of the hospital is 180 beds. The institutional hospital is well equipped with Pathology, Bio-Chemistry, Micro-Biology, Pharmacology, Pharmacognosy, Pharmaceutical Chemistry laboratories etc. Facilities for investigations like X-Ray, Sonography etc. are also available. Hospital provides specialized treatments like Panchakarma, Kshara Sutra and Kriya Kalpa for the patients attending the OPD and IPDs. In addition to these activities; Institute is providing health care services through satellite OPDs at Old Age Home, District Central Jail and Sasoi Botanical Garden (25 Km away from Jamnagar City). IPGT & RA is the first institute in India, which provides weekly OPD facility to all the three defense services viz. Indian Naval Services, Valsura; Air Force Station and Army Centre, Jamnagar.

The Institutional Central library has a huge collection of books and rare manuscripts. Some of them have been digitized and available on-line (www.ayurvedamanuscripts.com). ‘AYU’ An international Quarterly peer reviewed journal of Research in Ayurveda, is being published by IPGT & RA (www.ayujournal.org). Started in 1964, the journal has continuously contributed for the research, education and propagation of Ayurveda on the national as well as international platform. The journal is indexed in many standard national and international platforms like Pub - Med etc. The institute also provides E-learning program for sensitization of modern medical professionals (www.ayurvedaelearning.com), Pharmacovigilance program for Ayurveda, Siddha and Unani Drugs (www.ayursuratasha.com) are the few more assets of the Institute. The institute has also maintains online database of International Catalogue of Ayurvedic publications (www.ayurvedacatalogue.com)

(iv) National Institute of Unani Medicine (NIUM), Bangaluru:

National Institute of Unani Medicine, Bangaluru, an autonomous organization under the Department of AYUSH, Ministry of Health and Family Welfare, Govt. of India is a premier institute established for the development and growth of Unani System of Medicine. This Institute is being developed as a model of post graduate, teaching, training and research in Unani System of Medicine.

The Institute offers post-graduate courses in Moalejat (Medicine), Ilmul Advia (Pharmacology), Tahafuzzi wa Samaji Tib (Preventive and Social Medicine), Amraze Niswan wa Qabalat (OBG), Ilmus Saidla (Unani Pharmacy) and Kulliyat Umoore Tabbiya (Basic principles of Unani Medicine). Post-graduate courses in Ilaj bit Tadbeer (Regimenal Therapy), Jarahat (Surgery) and PH.D (Unani) are likely to be started from the coming session. The Institute is affiliated to Rajiv Gandhi University of Health Science, Bangalore and follows the curriculum followed by the Central Council of Indian Medicine.

The campus now houses an Academic Block, Hospital Building, Library, Pharmacy, Administrative Block, Herbal Garden, Animal House, Guest House, Indoor Games Hall, Hostels, Residential Blocks and several other units.

The hospital has an OPD wing and a 180 Bed IPD with separate wards for male and female patients. Clinical services are provided to the patients from general and speciality OPDs for skin diseases, GIT and Hepato-Biliary Disorders, Neurological, Psychiatric and Geriatric Care. The hospital also provides the facilities of family planning, nutritional advice for obese, hypertensive and diabetic patients.

The Institute regularly organizes academic events like CME, Workshops, Seminars and Guest Lectures by eminent scholars. Faculty members are deputed to various training programmes to update their technical and professional skills. The Institute also collaborates with premier scientific Institutions like NIMHANS Bangalore, Al-Ameen College of Pharmacy Bangalore to enhance teaching and research standards.

The quality of research is maintained by the Institutional Ethics Committee for Biomedical Research, Animal Ethics Committee, Scientific Advisory Groups for clinical research, drug development & quality control and fundamental research look after planning, coordination of research work. So far, 155 dissertations on pre-clinical, clinical and epidemiological studies have been submitted to the Rajiv Gandhi University of Health Sciences, Karnataka and 85 research papers published in peer reviewed and indexed
national and international journals. The Institute publishes a Bi-annual Journal of Research in Unani Medicine and a Newsletter.

(v) National Institute of Siddha (NIS), Chennai:

National Institute of Siddha, Chennai established in 2004, as an autonomous organization, under the control of Department of AYUSH, Ministry of Health and Family Welfare, Government of India is being developed as a Centre of Excellence for Siddha system of Medicine (website: www.nischennai.org). The Institute has been established by the Government of India as a joint venture with the Government of Tamil Nadu under the Societies (Registration) Act, 1975.

The institute conducts Post-graduate courses in Siddha in six specialized branches of Siddha viz. 1) Maruthuval, 2) Gunapadam, 3) Sirappu Maruthvam, 4) Kuzhanthai Maruthuvam 5) Noi Nadal, and 6) Nanjunoolum Maruthuva Neethinoolum with varying admission capacity of 7-8 in each branch and altogether 46 including 1 from BIMSTEC countries.

Presently 46 students (Siddha graduates) get admitted every year in the first year of the M.D. (Siddha) course in the aforementioned 6 branches through a separate entrance examination conducted by NIS. The sanctioned strength of faculty members is Professor-6, Associate Professor-12, Assistant Professor-10 and Lecturers-18. Separate Hostels for men and women students and also for staff-nurse are available within our campus. Solar water heater, a man-made pond, sewage water recycling plants, herbal house, animal house, auditorium, library and a guest house are other faculties available in NIS. A 160-bedded hospital- Ayothidoss Pandithar hospital- attached to NIS provides 24-hour medical care to patients and conducts researches to develop, promote and propagate Siddha system. Outpatient Department caters to the medical need of 1200-1500 patients daily and more than 2000 patients o week ends. Number of patients treated in OPD during 2012-13 were 4,82,915 patients, of whom 52.7% and 48% were males and females respectively. The average OPD reporting per day during 2012-13 was 1323 patients. The bed occupancy of in-patients varies from 72% to 113% during different months of the year. The bed occupancy during 2012-13 remains at 97%.

Siddha dispensary, laboratories of Clinical Pathology, Microbiology, Biochemistry and Pharmacology are functioning in the hospital. X-ray and ECG units are also functioning. Special Siddha therapies such as Varanam, Thokkanam, Yogam, Otradam, Ennai Katt, Suttigai, Peechu, Kombu Kattal etc. are available for the treatment of neuromuscular, skeletal and joint disorders. Weekly special OP clinics-Geriatric special OP clinic and Yoga special OP clinic are conducted for the benefit of the public. About 350 geriatric patients are attending weekly geriatric OP. A weekly mobile Siddha clinic is conducted in Old Perungalathur, the adopted village of NIS.

NIS is affiliated to the Tamil Nadu Dr. M.G.R. Medical University, Chennai. NIS has also been recognized as a Center for Ph. D studies by the same University. At present 6 full time Ph.D scholars and 21 part-time Ph.D scholars (our faculty members) are pursuing their research studies under 6 professors who have been recognized as guides by the T.N. Dr. M.G.R. Medical University. The research projects of NIS are reviewed and monitored by Institutional Ethics Committee and Institutional Animal Ethics Committee. NIS is publishing periodically ‘Journal of Siddha’ (Half yearly) and ‘NIS Newsletter’ (Bimonthly). NIS is developing as a centre of excellence and a referral institute for everything in Siddha. By way of conducting Continuing Medical Education (CME) programmes for Teachers and Doctors, NIS is catering to the academic needs and professional skills of the members of the teaching faculty as well as doctors who are rendering health care services to people.

(vi) Morarji Desai National Institute of Yoga (MDNIY), New Delhi

Morarji Desai National Institute of Yoga (MDNIY) is an autonomous organization under the Department of AYUSH, Ministry of Health and Family Welfare, Govt. of India. MDNIY is a focal Institute of Planning, Training, Promotion and coordination of Yoga Education, Training, Therapy and Research in all its aspects. Morarji Desai National Institute of Yoga was established to act as a Centre of Excellence in the field of Yoga. As the demand for the system of Yoga is increasing rapidly at the global level, the Institute is striving hard to fulfill the current need and demand of the people from every corner.

Objectives

• To act as a Centre of excellence in Yoga;
• To develop, promote and propagate the science and art of Yoga; and
• To provide and promote facilities of training, teaching and research to fulfill the above two objectives.

Vision & Mission

Health, Happiness and Harmony for all through Yoga

Achievements

• Morarji Desai National Institute of Yoga (MDNIY) has been designated as WHO Collaborating Centre (WHOCC) in traditional Medicine (Yoga) from 5th April, 2013 for a period of four years.
• MDNIY has started B.Sc. (Yoga Science), a regular course of three years duration (06 Semesters) with affiliation from GGSIP University, Delhi from the academic session 2012-13 with intake capacity of 60 students.
• MDNIY is conducting Diploma in Yoga Science (DYSc.) for Graduate of one year duration with intake capacity of 120.
• Total as many as 17 Yoga Training and Therapy Programmes are also being conducted in the Institute of one hour each from 6.00 AM to 6.00 PM on all working days.
• Four Yoga Therapy Centres in Govt./Tertiary hospitals have been set up in Delhi and NCR.
• 20 Preventive Health Care Units of Yoga have been established in CGHS Dispensaries in Delhi and NCR.
• Five Advanced centres for Yoga Therapy and Research have been set in the leading Medical Institutions of the country to promote research in Yoga and also undertaking Yoga training and therapy programmes for the patients.
• 125 Swami Vivekananda District Yoga Wellness Centre through Public Private Partnership (PPP) have been established in 125 districts of the country.
• A project - "Yoga in School Health" had been implemented through the leading Yoga Institutes of the country, on one district, one school and one teacher basis and total 438 teachers were trained.
• National Yoga week, a mass awareness programme for Health, Happiness and Harmony through Yoga is being conducted every year in the month of February.

Schemes

• The Institute had launched a scheme to run Swami Vivekananda District Yoga Wellness Centre (SVDYWC) through Public Private Partnership (PPP) mode in 2010-11.
• A project namely "Introduction of Yoga in School Health" has been taken up in the country for conducting Teachers Training Programmes in Yoga for Teachers from each district of the country.
• Foundation Course in Yoga Science for Wellness (FCYSW) of One month duration for general public.

The Institute provides the best Teaching, Education, Therapy and Research facilities of Yoga aspirants. The aim of the Institute is to promote deeper understanding of Yoga Philosophy and practices based on classical Yoga amongst the people. Yoga training programmes are conducted in the Institute and outside for the general public, working executive, women, children etc. Different Yoga therapy programmes are also being conducted in the institute for patients have different disorders.

MDNIY is housed a state-of-the art complex with air conditioned and ultra-modern building which includes Auditorium, Conference Hall, Kriya Block, Class Rooms, Lecture Halls etc. with properly equipped teaching facilities. The Institute provides conducive environment for Yoga sadhana, Yoga Therapy OPD, Pathology Labs, etc. MDNIY is running an OPD attached with Pathological & Biochemistry Lab, Sleep Lab and an X-Ray unit.

The Institute is also participating in National and International events like Health exhibitions, AROGYA, Health Melas, Festivals, Seminars, Conferences etc. It is involved in propagation of Yoga through print and electronic media. The Institute brings out Quarterly Newsletter and a Quarterly Journal "Yoga Vijnana - The Science of Yoga" for disseminating the knowledge of Yoga. It has brought out 10 diseases-wise booklets for the benefit of the public and Yoga manual for Medical professional/Students has published. It has taken up a project Introduction of Yoga in School Health" with the help of 6 leading Yoga Institute of the country.
National Institute of Naturopathy (NIN), Pune:

National Institute of Naturopathy, Pune registered under the Societies Registration Act 1860 was established in 1986 at Bapu Bhawan with an objective of promotion and propagation of Naturopathy in the country and to encourage research in the field of Naturopathy medicine for prevention and cure of diseases and promotion of healthy living (website: www.punenin.org).

NIN has an OPD clinic with free consultation services where various Naturopathy treatments are given to the patients at very subsidized rates. About 300 patients avail these treatment facilities daily. The institute also conducts 8 batches of Yoga classes daily. NIN is conducting a Mini Gym where health seekers from general public and patients are given service. The Institute publishes "Nisargopachar varta" a bilingual magazine (Hindi / English) every month. NIN has a Library with lending and reading facilities with 9000 books and national and international journals.

A Health Shop is being run on self sustaining basis in the institute where natural food, drinks and chemical-free products are made available to the public. Also, books on naturopathy, Yoga and other Health subjects and various instruments used in the treatment of Naturopathy are sold here. NIN is running a Naturopathic Diet Centre, on self-sustaining basis providing diet facilities to the general public and patients who visit this institute.

NIN is regularly conducting lecture classes on various Health subjects on every Saturday. NIN conducts one full day workshop on last Saturday of every month on any one disease, its cause and remedies. NIN conducts an exclusive full day workshop on 3rd Saturday of the month in any one of the regional languages of India.

The institute is conducting One-Year full-time “Treatment Assistant Training Course” (TATC) for male and female youth having passed 10th standard, age between 18 to 30 years. NIN is giving internship training to BNYS internees regularly.

NIN conducts Continuous Medical Education (CME) programme and periodic workshops on Research Methodology for the Naturopathy graduates. NIN conducts orientation training programme on Naturopathy and yoga for doctors of other systems of medicine. NIN also conducts Women empowerment programme for Lady doctors and other Common women.

NIN participates in exhibitions all over India to propagate and promote the science of Naturopathy. NIN also organizes Natural Health Food Fair and Yog Naturopathy seminars with demonstration of Yoga and exhibition of more than 150 delicious dishes.

A unique activity of NIN is the sanatorium, for HIV+ve patients at Panchagani where PLHA are treated under Naturopathy and Yoga life style modification treatment modalities. The patients undergone treatment here are largely benefitted.

NIN organizes “Cookery Classes” every year at the Institute. Preparation of variety of Juices, salads, non-spicy oil free subbies and main course food items are taught in these classes with demonstration and full participation of the participants.

Free Acupressure Treatment is being given to the patients, daily between 2 to 5 p.m., six days a week. NIN has an acupuncture unit where the treatment is available at the rate of Rs.300 and Rs.70 for weekly and daily sitting respectively. NIN has the facility for traction at the rate of Rs.300 per week or Rs.70 per day.

NIN has brought out a 2nd Edition of the book on Naturopathic diet and recipes which is highly preferred by the public. NIN has also Published a Hand Book on Basic Yoga for Beginners in the current financial year.

Gandhi Jayanti is celebrated by observing Naturopathy day & group fasting by staff and general public, garlanding of Gandhiji’s statue at the Institute and at Pune Railway Station followed by a rally with the theme “Gandhian Philosophy and Naturopathy”, conducted a free Seminar on “Gandhian Philosophy and Naturopathy”, and organized drawing competition for the children age group.

Construction of the New Out Patient Department at NIN was at the final stage of completion towards end of March, 2013 of which the inauguration is expected shortly. The OPD with modern facilities is opened for general public from the month of June, 2013.

Dept. of Health, Govt. of Maharashtra, has earmarked about 25 Acres of Land in Pune.
to hand over to NIN for starting the Naturopathy College, Hospital and Research Unit by NIN. The decision for outright purchase of the land was approved in the SFC meeting held on 4-7-2012 and communicated to the Govt. of Maharashtra. Dept. of Health, Govt. of Maharashtra has communicated to the Revenue Department No Objection for the handover of the land to NIN, Pune. Final sanction order and the demand on cost of Land is awaited from Govt. of Maharashtra.

The Department of AYUSH conveyed the approval of the Hon’ble Minister of HFW in his capacity as the Chairperson of the GB of NIN in April, 2013 to upgrade the present one year Treatment Assistant Training Course (TATC) to a two years Nursing Diploma in Naturopathy & Yoga Therapy.

(viii) National Institute of Homoeopathy (NIH), Kolkata:

NATIONAL INSTITUTE OF HOMOEOPATHY was established on 10th December 1975 in Kolkata as an autonomous institution under the Ministry of Health and Family Welfare, Govt. of India. The Institute imparts education in Homeopathy serving as a model institution for other schools across the country. The Institute was affiliated to the University of Calcutta up to session 2003-04 and from 2004-05 has been affiliated to the West Bengal University of Health Sciences, Kolkata. This Institute, at present conducts the degree course in Homoeopathy i.e., Bachelor of Homoeopathic Medicine and Surgery [B.H.M.S.] since 1987 and Post - Graduate course i.e. Doctor of Medicine in Homoeopathy [M.D. (Hom.)] since 1998. At present PG course is offered in six subjects viz. Organon of Medicine, Materia Medica, Repertory, Homoeopathic Pharmacy, Practice of Medicine and Paediatrics.

The Institute is functioning in its own campus measuring about 16 acres of land at Block - GE, Sector - III, Salt Lake City, Kolkata - 700 106, from August 1986 onwards. The Institute has an Academic building/Administrative block, Hospital (IPD/OPD) and Under Graduate Hostels for boys and girls. Construction of Phase-1 (Four Stories) of an 8-storied Academic-cum-Library building has been completed. Another building (G+3 storied) for extension of hospital from existing 100 bed to 250 beds is also in progress and are situated in the main campus at block GE.

There are two other campuses, one measuring 9.5 acres located in Block-JC, Salt Lake, Kolkata, where Residential Quarters for the staff of the Institute, International Hostel and Post Graduate Hostel are situated. Another campus measuring 25 acres having a herbal plant garden and a peripheral OPD is located in Kalyani, Dist. Nadia, West Bengal, about 60 kms away from the main campus. Thus total available land with the Institute is 51.5 acres.

The Institute has a Hospital consisting of Out Patient and In-patient departments caters medical services through its Hospital situated in the main campus & peripheral OPD at Kalyani, with a nominal charge for investigations and other services. 282604 patients were attended in OPD at NIH Salt Lake Complex and 4878 patients were attended in Kalyani peripheral OPD. The hospital has investigation facilities viz. Clinical Pathology, Biochemistry, Radiology, Ultrasoundography and ECG etc. The Institute has been presently providing Indoor facilities through 100 bedded hospitals of which 08 beds are earmarked for Surgery, and 4 for Maternity.

The Institute has an Operation Theatre. New apparatus / instruments, such as Pulse Oxymeter, Diatheramy, Portable X-ray and Endoscopy etc. have been introduced in the operation theatre. Orthopaedic surgery has also started. The Institute has a Labour room and undertakes antenatal / post-natal care of the mother and child and also giving clinical training to the Under-graduate students.

The Kalyani Herb Garden situated 60 km away from Kolkata was envisaged for acclimatizing exotic species of homoeopathic importance and building of repository of medicinal plants for use by students and researchers. A small herb garden has also been developed within the NIH campus for teaching purpose.

The Institute also carries out clinical research in Thyroid, Spondylitis, Allergic Rhinitis, Psoriasis and Cancer.

Library & Information Services: This division has more than 20000 documents (macro & micro) including rare homoeopathy treatises. There are 1042 bound journals, 61 periodicals are subscribed regularly and 43 periodicals have been received as gift. It provides various services i.e. Documentation, Reference,
Referral, CAS, SDI, Document delivery, Internet etc. to the in-house readers. Book Bank service is also functioning. The department of LIS also provides Information support on Homoeopathy to the Interns, PG students and the Homoeopathic fraternity as a whole.

**Other Activities:** The Institute organized School Health check up at Salt Lake Point School on 9, 10,11th January 2013 and gave advice to students on health issues.

**Medical camp** was organized during Ganga Sagar Mela providing 24 hours round the clock service.

The Institute also participated in different fairs such as Chikitsa Fair organized Indian Chamber of Commerce at Kolkata, AROGYA Fairs at Hyderabad and Bhopal.

**Bulletin:** The Institute publishes a quarterly bulletin incorporating scientific articles.

G. STANDARDISATION OF ASU & H DRUGS:

Laying down the Pharmacopoeial standards for Ayurveda, Siddha and Unani medicine, both for single and compound drugs, is essential, as Pharmacopoeial standards are important and are mandatory for the implementation of the drug testing provisions under the Drugs and Cosmetics Act, 1940 and Rules there under. These standards are also essential to check samples of drugs available in the market for their safety and efficacy. Government of India had taken up the task of developing Pharmacopoeial standards through Pharmacopoeia Committees. Four different Pharmacopoeia Committees are working for preparing official formularies/pharmacopoeias of Ayurveda, Siddha, Unani and Homoeopathy drugs. These committees are engaged in evolving uniform standards for preparation of drugs of and in prescribing working standards for single drugs as well as compound formulations. Standards for around 40% of the raw materials and around 15% of formulations have been published by these Pharmacopoeial committees. In Ayurveda, 5 volumes of Pharmacopoeia and 3 volumes of Formularies have been published.

Drug Control Cell (AYUSH) is working in the Department to deal with the matters pertaining to Drug Quality Control and the regulation of Ayurveda, Siddha and Unani drugs under the provisions of the Drugs and Cosmetics Act, 1940 and Rules, 1945. The Cell is looking after the activities of Ayurveda, Siddha, Unani Drug Technical Advisory Board (ASUDTAB) and Ayurveda, Siddha, Unani Drugs Consultative Committee (ASUDCC). Besides, Pharmacopoeial Laboratory for Indian Medicine (PLIM) and Homoeopathic Pharmacopoeia Laboratory (HPL) are Standard-setting-cum-Drug-Testing-Laboratories at National level functioning at Ghaziabad (Uttar Pradesh). A public sector undertaking 'Indian Medicines Pharmaceutical Corporation Limited (IMPCL)' is engaged in manufacturing and marketing of Ayurveda and Unani products.

(1) Pharmacopoeial Laboratory for Indian Medicine (PLIM), Ghaziabad:

Pharmacopoeial Laboratory for Indian Medicine (PLIM) is a subordinate office of the Ministry of Health & Family Welfare (Department of AYUSH), Govt. of India. It is located at Central Govt. Enclave, Kamla Nehru Nagar, Ghaziabad-201 002 (U.P.). The laboratory was established in the year 1970 as a Pharmacopoeial Standards Setting Cum Drugs Testing Laboratory at National Level for Indian Medicines which includes drugs of Ayurveda, Unani and Siddha systems (Website: www.plimism.nic.in). The laboratory is also notified as Central Drugs Laboratory for drug testing and quality control. The main objectives of establishing Pharmacopoeial Laboratory for Indian Medicine (PLIM) are as under:

- Pharmacopoeial standardization of single drugs and compound formulations to be incorporated in Ayurveda, Unani and Siddha Pharmacopoeia.
- Validation of Pharmacopoeial standards, done elsewhere, for updation of standards.
- Analysis of survey, official and legal samples received from Drug Control Authorities.
- To act as Central Drugs laboratory for Ayurveda, Unani and Siddha drugs under the provisions of the Drugs & Cosmetics Act, 1940.
- Collection of genuine crude drug samples from different Agro-climatic zones of the country for pharmacopoeial standardization.
- Development maintenance of medicinal plants Garden of pharmacopoeial drugs.
• Preservation of authentic specimen of drugs and medicinal plants in museum and herbarium for reference.
• Availability and repository of Botanical and Phytochemical reference standards.
• R & D work on pharmacopoeial and quality control thrust areas.
• Training Programmes for Drugs Inspectors/Drug Analysts and analysts working in ASU pharmaceutical industry.
• Supporting structure of Pharmacopoeial Commission for Indian Medicine.

The PLIM has a Museum & Herbarium housing 750 herbarium specimens and more than 2000 exhibits of raw material used in the Ayurveda, Unani and Siddha formulations. The laboratory also imparts training to Drug Control Authorities and Quality Control Personnel from Government laboratories and private manufacturers under Capacity Building Programme. The Department of AYUSH publishes the worked-out standards as regulatory standards/pharmacopoeial monographs in Ayurvedic, Siddha and Unani Pharmacopoeia of India. The laboratory has worked out pharmacopoeial standards of single drugs and formulations which have been incorporated in various volumes of Ayurveda, Unani and Siddha Pharmacopoeia. The laboratory has also contributed for TLC Atlas and Microscopy and microscopy Atlas of Ayurvedic pharmacopoeial drugs. So far eight volumes of Ayurvedic Pharmacopoeia of India (Part I, Single drugs), three volumes of Ayurvedic Pharmacopoeia of India (Part II, Formulations), six volumes of Unani Pharmacopoeia India (Part I, Single drugs), two volumes of Unani Pharmacopoeia India (Part-II Formulations) and two volumes of Siddha Pharmacopoeia of India (Part I, Single drugs) have been published and are official for regulatory frame work.

(ii) Homoeopathic Pharmacopoeia Laboratory (HPL), Ghaziabad:

Homoeopathic Pharmacopoeia Laboratory (HPL) was established in 1975, as a National Laboratory for the purpose of laying down standards and testing for identity, purity and quality of Homoeopathic medicines (website: www.hplism.org). The Laboratory also functions as a Central Drug Laboratory for the testing of Homoeopathic Medicines under Rule 3A for the Drugs and Cosmetics Act. The Department of Science and Technology has recognized HPL as a Scientific and Technological Institution. The main objectives of Homoeopathic Pharmacopoeia Laboratory are as under:

• Laying down of standards for identity and purity of Homoeopathic Drugs and finding out indigenous substitutes for foreign Drugs.
• Verification of Pharmacopoeial standards, done elsewhere, for adoption or improvement or updation of standards.
• Testing of samples of Homoeopathic Drugs, referred by Drug Control Authorities, Port Authorities, State Government etc., for identity and quality under different provisions of Drugs and cosmetics act and rules.
• Maintaining medicinal plants garden with preference to plants used in Homoeopathy alongwith cultivation and introduction of medicinal plants.
• Survey and collection of samples of Homoeopathic Drugs for verification of quality and adulteration trends of drugs marketed.
• Survey and collection of Medicinal Plants.
• Imparting orientation in methods of standardization, identification and testing of Homoeopathic Drugs and application of various provision of Drugs & Cosmetics Act to all India State / Central Government Drug Authorities, Drug Inspectors, Drug Analysts, Pharmacists etc.

Standards worked out of Homoeopathic Drugs by the laboratory are published in the Homoeopathic Pharmacopoeia of India (HPI). So far nine volumes of HPI have been published covering 919 monographs on homoeopathic drugs and publication of 10th volume of HPI is under progress covering 101 monographs on homoeopathic drugs. A small herbarium and museum of medicinal plants and an experimental garden of medicinal plants including some rare and very important exotic plants are being maintained for the purpose of standards reference material so as to utilize for verification and comparative studies of standards. The Laboratory also maintains a seed bank of important exotic homoeopathic medicinal plants.

(iii) Indian Medicines Pharmaceutical Corporation Limited (IMPCL), Mohan (Almora):

Indian Medicines Pharmaceutical Corporation Limited (IMPCL) is a Government of
India Enterprise under the administrative control of the Department of AYUSH to manufacture and market Ayurvedic and Unani products (website: www.impclmohan.nic.in). The Company, which is a ‘MINI RATNA’, ISO 9001:2008 accredited and GMP certified was incorporated in 1978 and had started commercial production in 1983. The primary objective of the company is to manufacture and supply authentic quality Ayurvedic and Unani products.

The formulations are tested in its competent in-house QC Laboratory as also in National Accredited laboratories before release.

The Uttarakhand based company is expanding its capacity under 3rd Phase modernization and aim with Eu GMP certification.

Beside supply of medicines to C.G.H.S., C.C.R.A.S., State Government, Autonomous bodies etc., the Company is gearing up to enter in the open market. Since 1986-87, the company has maintained a profit earning trend and Net Worth of the company is positive. Company manufactures entire dosage forms of the Ayurvedic and Unani medicines.


H. AYUSH SERVICES IN HEALTH CARE DELIVERY:

Providing cost effective AYUSH services, with a universal access is one of the strategies to improve the quality and outreach of Health of Care Services. The National Policy on Indian Systems of Medicine and Homoeopathy, 2002 envisaged integration of AYUSH Systems into the health care delivery system and the national health programme ensuring optimal use of the infrastructure of hospitals, dispensaries and physicians.

Within the communities in India, AYUSH systems have been an age old tradition with wide acceptance which can play an important role in the prevention and mitigation of diseases. There is a need for service integration by providing the best and unique from each system to patients as a complementary therapy and an alternative choice of treatment. There is an important role for the AYUSH practitioners in the delivery of health services.

Under Centrally Sponsored Scheme for Development of AYUSH Hospitals and Dispensary Grant-in-aid is being provided to the States for co-location of AYUSH facilities at Primary Health Centre (PHC ), Community Health Centers (CHCs) and District Hospitals (DHs) as well as for up gradation of Stand-alone AYUSH Hospitals and Dispensaries.

The Department of AYUSH has implemented a component during 2011-12 in the existing scheme of Centrally Sponsored Scheme of Development of AYUSH hospitals & dispensaries for providing financial assistance for setting up of 50 bedded integrated AYUSH hospitals in Tripura, Mizoram, Manipur, Himachal Pradesh, Jammu Kashmir & Uttarakhand and 10 bedded integrated AYUSH hospitals in Assam, Meghalaya, Nagaland, Sikkim and Arunachal Pradesh.