

MOTTO

'Vigyanane Satya Anveshnnam'

विज्ञान से सत्य की खोज

To dig out truth through science.

MISSION

Foremost mission of the HPFSL is to serve the society in a holistic manner by way of providing quality reports and timely reports in criminal, civil cases and in matters of public interest; create vibrant and intellectual environment in the institution built on trust, commitment to promote good practices and inculcate ethical values and employ modern methods; empowerment of law enforcement agencies, judiciary and enquiry commissions with forensics knowledge for proper investigation, and for better understanding, evaluation and appreciation of reports. HPFSL has to emerge as a temple of knowledge sharing with other institutions in the development of the state-of-art, forensics and to open new vistas.

VISION

- Quality reports, timely reports by adopting good practices and protocols with latest know-how conforming to national and international standards form the foundation principles of an institution to emerge as a premier institution.
- Achieve excellence in human resource development through training, by creating congenial, scientific ambience that encourages team spirit and better professional conduct.
- Fostering collaboration and co-operation with universities, research-undertaking bodies, promoting R&D programmes so as to generate database and for developing state of the art (infrastructure).
- Building Himachal Forensics a professional service, enjoying public faith, exhibiting accountability, transparency and to meet modern challenges of crime. Evolve mechanism whereby forensic service is available in investigation of all heinous crimes, and whenever required in situations demanding public interest.
- Help in combating corruption, help in protecting environment and endangered species (flora & fauna), help in upholding human rights and help in preventing human trafficking.
- Public awareness by disseminating knowledge through media (print, electronic and exhibitions) about the cases solved with forensic tools and techniques, means of proactive forensics, which is deterrent to the wrong doers and potential criminals. Also educating public about do's and don'ts on the spot, drug menace, save oneself from cyber crime and about road safety.
- Encouraging use of more forensic inputs to put investigation on the right track in the beginning itself so as to save police man hours and saving public from unwarranted inconvenience.
- Promoting ethics in forensics.

Imagination is more important than knowledge

-Albert Einstein

PREFACE

Science in crime investigation which cut its teeth after the recommendation of National Police Commission in 1902 has come a long way. Far reaching changes have taken place since Central FSLs and State FSLs came into being in the middle of the twentieth century, and in Himachal scenario when State FSL was established in the late eighties of the said century. This year Himachal Forensics was a witness to the Silver Jubilee Year Celebrations and that spurred department into action. Since the healthy environment and proper set-up during the young age of the institution is a prerequisite to lay strong foundation of progressive growth and development of the institution in the times ahead and the same was ensured. Accordingly, the department made strides on different fronts by improving the existing state-of-art and conceived future plans in terms of infrastructure and professional activities. For the first time the motto, mission and vision statement were got approved from the government. Likewise, a new nomenclature i.e. Deptt. of Forensics Services for the forensic labs was mooted.

In the contemporary technology drawn-urge to communication, e-forensics report, a pilot project, was introduced that will replace the conventional paper reports through electronic medium which despite initial hiccups is emerging fast, efficient and time saving. Further, the department is credited with 100% basic computer literacy rate, achieved by sending officers and officials for training to Himachal Institute of Public Administration, Fairlawns, Shimla.

In order to give fillip to the police investigation and fast track criminal justice system, a pilot project, One-District, One-Police Station 'ODPS' was inaugurated by Sh. Vir Bhadra Singh, Hon'ble Chief Minister, Himachal Pradesh on 3.3.13 at RFSL Dharamshala. The project after evaluation and interaction with the officers of judiciary and police was extended by a year i.e. up to March,2015. Efforts made to introduce new technology have come to fruition though much is desired to be achieved. Cell phone forensic analysis, which saved police from taking cell phone for analysis as far as Hyderabad/Ahmedabad, has been introduced. Similarly, diatom test for anti-mortem or post-mortem drowning and examination of liquor cases also commenced at State FSL.

The department recognizes that cooperation and collaboration programme is necessary in building up the capabilities of the organization and in creating a congenial scientific environment in the institution. In consonance with this the memorandum of understanding is in pipeline with some universities for undertaking research activities as well as for generation and exchange of data.

During silver jubilee year, forensics knowledge dissemination amongst students and public, a measure of awareness program in modern times got impetus and was achieved by organizing different events. A number of essay competition were organized in schools. A poster making competition was organized in the college. The exhibitions with the theme Forensics-in-Action were organized to cover all spectrum of public during cultural fairs of the state like Red Cross Fair, Children Science Congress and Annual Police Sports Duty Meet. The exhibitions were appreciated and have gone down well with one and all.



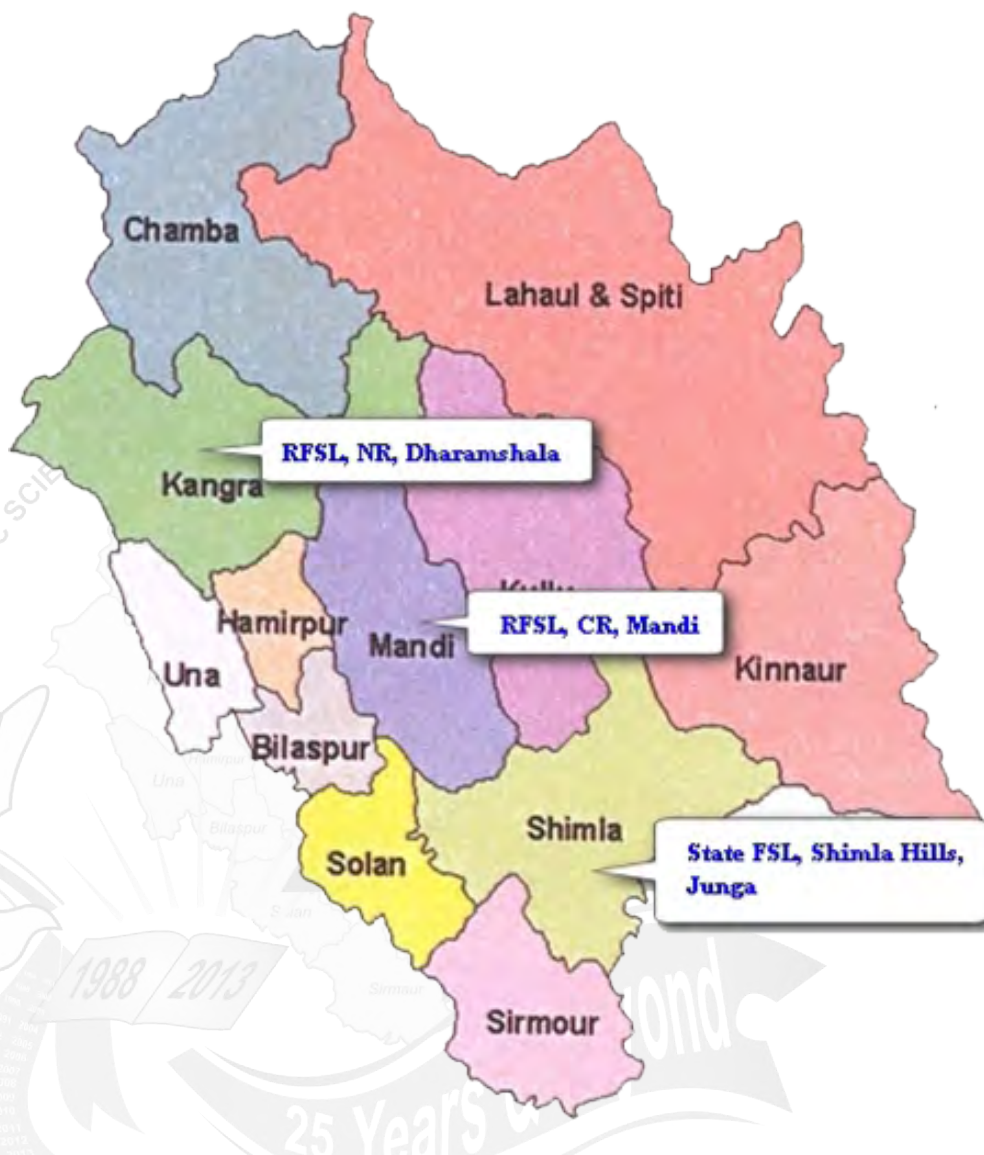
(Arun Sharma)
Director

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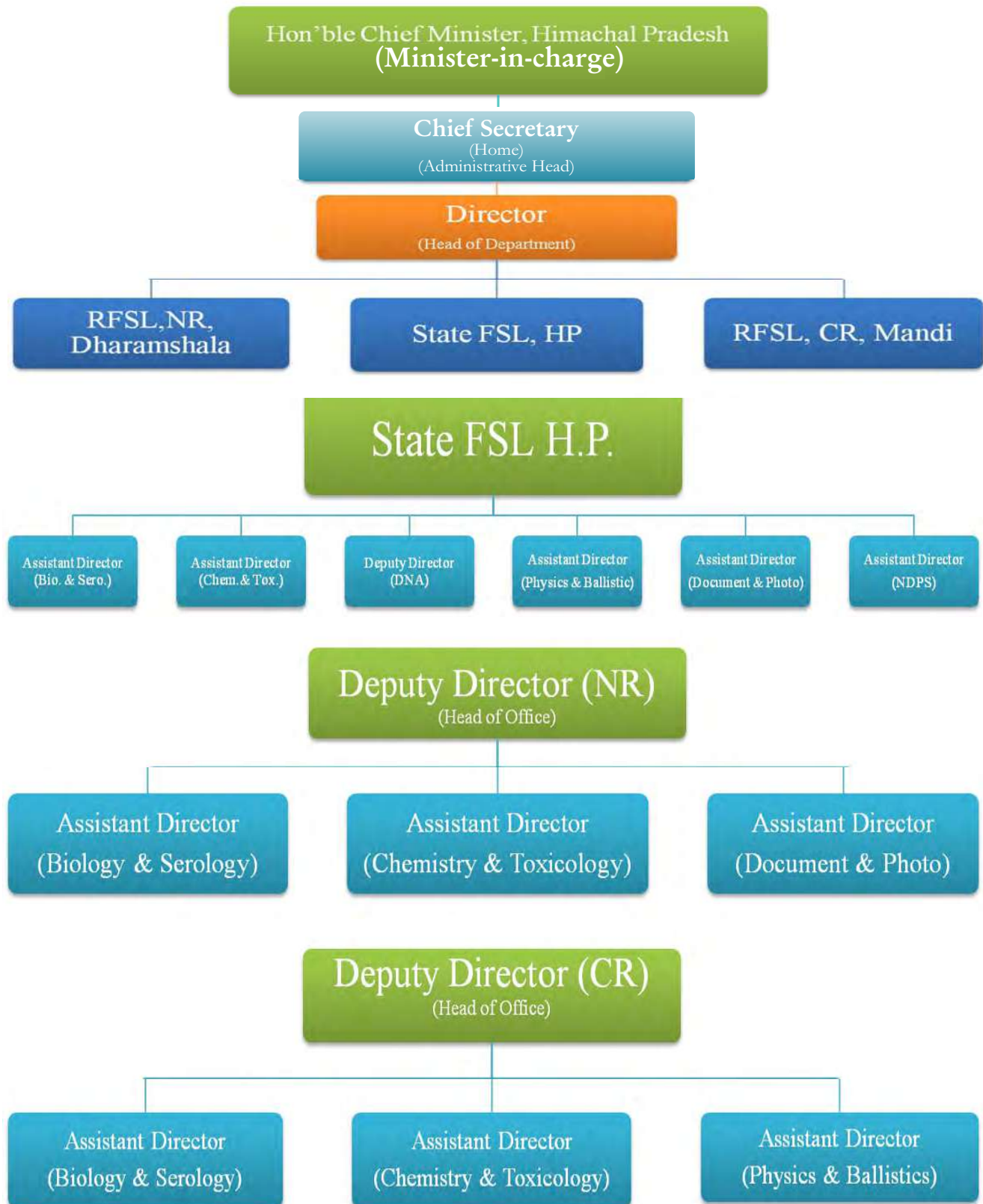
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INTRODUCTION

State Forensic Science Laboratory, Himachal Pradesh was created on 13-12-1988 at Police Headquarter, Shimla. State FSL primarily caters to the needs of investigative agencies viz. Police, Vigilance, CID. Also, rendering service to the judiciary, universities, boards, banks, enquiry commissions and other Government Departments. Before State FSL came into existence, the said departments were dependent on central government institutions: Central Forensic Science Laboratories, Government Examiner of Questioned Documents and Serologist to the Government of India, Kolkatta. State FSL started functioning from barracks of Police complex Bharari, Shimla with two divisions namely Biology & Serology and Chemistry & Toxicology. State FSL moved to Junga in 1996 and started functioning from the premises of Police Training School. Two more specialities viz. Documents & Photography and Physics & Ballistics were created in 1997 and became functional in the year 2000. In the year 2006, two more specialties viz. DNA and NDPS were created in State FSL, Junga. In order to ensure independent functioning of an investigating agency working on scientific principles, free from any undue pressure and favour from any corner, the State FSL was placed directly under Home & Vigilance department in the year 2005. To give a fillip to the investigation, speedy disposal of crime cases and in accordance with the National Human Rights Commission (NHRC) recommendations, two Regional FSLs with specialities of chemical, physical and biological sciences were created at Dharamshala & Mandi in 2006 as per topography of the state. The range labs have been housed in their new complexes constructed by incurring an expenditure of more than 2.25 crores approximately in each case. Further, for more administrative and financial autonomy the Director, State FSL was declared Head of the Department in the year 2009. Also, the State FSL and RFSLs are now approved centres for crime exhibits analysis of National Investigation Agency (NIA).



ADMINISTRATIVE SET-UP



MANDATE

- ✧ Analysis of Crime Exhibits/Clues in the Lab
- ✧ Scene of Crime Examination & Reconstruction
- ✧ Forensic Intelligence/Lead
- ✧ (To put investigation on the right track in the beginning itself)
- ✧ Evidence in Courts/Enquiry Commissions
- ✧ Teaching, Training and Public Awareness
- ✧ Research & Development in Forensics



DUTIES AND RESPONSIBILITIES

DIRECTOR

- ◆ Examination, evaluation, comparison of clue materials and to submit scientific reports.
- ◆ To testify or give evidence before Judicial/Semi-judicial/Inquiry authority as and when required.
- ◆ Examination of scene of crime and submission of reports.
- ◆ Research in Forensic Science and related fields.
- ◆ Teaching and training of IOs/NGOs of Police Prosecution and Judiciary in Forensic Science.
- ◆ Any other scientific and Administrative work assigned by the, senior officers / Government.
- ◆ Besides above duties, he is the head of the department as well as Controlling Officer and has to perform duties related to it. He has to manage all scientific matters for the overall scientific development of the Institution and for the incorporation of new technology.

DEPUTY DIRECTOR

- ◆ Examination, evaluation, comparison of clue materials and to submit scientific reports.
- ◆ To testify or give evidence before Judicial/Semi-judicial/Inquiry authority as and when required.
- ◆ Examination of scene of crime and submission of reports.
- ◆ Research in Forensic Science and related fields.
- ◆ Teaching and training of personnel's in Forensic Science and related fields.
- ◆ He/she will be responsible for efficient working of the division(s) and expeditious disposal of work/cases pertaining to the division(s) by giving quality reports.
- ◆ He/she will render all assistance to the D/FSL in updating and introducing new technologies in the division(s).
- ◆ Any other work related to scientific or administrative nature assigned to him or her by the Director FSL/Government.
- ◆ Besides above duties, he/she is required to assist the Director, FSL in the matters of scientific and administrative nature. He/She is the supervisory officer and Divisional in-charge of at least two Divisions and has to guide the scientists working under him/her. Management of scientific and administrative work has also to be looked after by him/her under the guidance of Director, State FSL, HP.

ASSISTANT DIRECTOR

- ◆ Examination, evaluation, comparison of clue materials and to submit scientific reports.
- ◆ To testify or give evidence before Judicial/Semi-judicial/Inquiry authority as and when required.
- ◆ Examination of scene of crime and submission of reports.
- ◆ Research in Forensic Science and related fields.
- ◆ Teaching and training of personnel's in Forensic Science and related fields.
- ◆ He/she will be responsible for efficient working of the division(s) and expeditious disposal of work/cases pertaining to the division(s) by giving quality reports.
- ◆ He/she will render all assistance to the D/FSL in updating and introducing new technologies in the division.
- ◆ Any other work assigned by senior officers/Govt.
- ◆ He/she is Divisional in-charge of his/her division and also supervises and guides the scientific and technical staff of his division in administrative and scientific matters.

SCIENTIFIC OFFICER

- ◆ Examination, evaluation, comparison of clue materials and to submit scientific reports.
- ◆ To testify or give evidence before Judicial/Semi-judicial/Inquiry authority as and when required.
- ◆ Examination of scene of crime and submission of reports.
- ◆ Research in Forensic Science and related fields.
- ◆ Teaching and training of personnel's in Forensic Science and related fields.
- ◆ He/she will be responsible for efficient working of the division(s) and expeditious disposal of work/cases pertaining to the division(s) by giving quality reports.
- ◆ He/she will render all assistance to the D/FSL in updating and introducing new technologies in the division.
- ◆ Any other work assigned by senior officers/Govt.
- ◆ He/she is also in-charge scientific unit of staff working under him /her and also has to guide and supervisor the Unit.

SCIENTIFIC ASSISTANT

- ◆ Examination, evaluation, comparison of clue materials and to submit scientific reports.
- ◆ To assist the officers/experts in examination of scene of crime and the exhibits in the laboratory.
- ◆ Assistance in research in Forensic Science and related fields under the supervision of experts.
- ◆ Assistance in practical demonstration during teaching and training.
- ◆ Any other work assigned by the senior officers.
- ◆ He/she will also be assist in keeping the laboratory and equipments in order for scientific examination and shall help in expeditious disposal of work/cases pertaining to the division and also to help in the preparation of quality reports.
- ◆ He/she will also render all assistance to the senior officers in the division in updating and introducing new technology in the division.

LABORATORY ASSISTANT

- ◆ He/she is required to assist SA/SO/AD/DD and Director in examination evaluation and comparison of clue material especially for systematic arranging of exhibits and reagents.
- ◆ To maintain register of the division concerned for making entries of the exhibits/cases received in the division. He/she also has to maintain all the records of chemical, glassware and equipments and to prepare date whenever required.
- ◆ To perform any other duties assigned by senior officers.

LABORATORY ATTENDANT

- ◆ To clean the laboratory tables / apparatus sinks, shelves, furniture and other items in the division.
- ◆ To hold and carry exhibits, glass-apparatus, reagents from where required.
- ◆ To cut open /seal the exhibits of the division in the presence of experts and to carry them from one division to another or to crime branch.
- ◆ To perform any other duties assigned by senior officers for the cleanliness of the laboratory as a whole and for carrying materials and other items for the functioning of the laboratory.

HIMACHAL PRADESH FORENSIC SCIENCE DEVELOPMENT BOARD

The Government of Himachal Pradesh constituted the Himachal Pradesh Forensic Science Development Board vide Notification No. Home (A)B(12)3/94 dated 09.12.2005 to augment forensics in Himachal Pradesh with specific terms of reference including implementation of National Human Rights Commission Core Group Report-1999 in a phased manner. The composition and terms of reference of H.P. Forensic Science Development Board is as under:

NOTIFICATION

The Governor, Himachal Pradesh, is pleased to constitute the Himachal Pradesh Forensic Science Development Board in the following manner in order to encourage the development and use of Forensic Science for investigation of crime in the state:-

Hon'ble Chief Minister, Himachal Pradesh.	Chairman
Chief Secretary to the Govt. of H.P.	Vice-Chairman
Advocate General, Himachal Pradesh, Shimla.	Member
Addl. Chief Secretary/Pr.Secretary (Finance) to the Govt. of Himachal Pradesh.	Member
Pr. Secretary (Home) to the Govt. of H.P.	Member
Director General of Police, Himachal Pradesh.	Member
Director-cum—Chief Forensic Scientist, Directorate of Forensic Science, MHA, GOI, New Delhi or Regional Forensic Science Lab. Chandigarh.	Member
Director, Vigilance, Himachal Pradesh.	Member
Director, Prosecution Govt. of Himachal Pradesh.	Member
Director, State Forensic Science Lab. H.P.	Member Secretary
Addl. Director General (APT), H.P. Shimla.	Member
Professor & Head, Deptt. Of Forensic Medicine, IGMC, Shimla.	Member

The Vice Chairman shall preside over meetings of the Board in the absence of the Chairman. The Board may co-opt experts for any meeting of the Board. TA/DA of members and experts, if any, shall be borne by parent organization. The Board will be serviced from the Forensic Science Lab. Junga.

The Board shall meet quarterly to monitor the development, proper functioning and progress of the Forensic Science set-up in Himachal Pradesh and shall approve a five year Perspective Plan as well as Annual Plans of Action for induction of Forensics into investigation and prosecution.

Terms of Reference:

The terms of reference of the Board shall be as under:-

1. To lay down the basic policies in application of Forensic Science to crime investigation and to ensure progressive development of Forensic Science services in the State in a time bound manner.
2. To oversee implementation of the recommendations contained in the National Human Rights Commission Core Group Report-1999, Plan for modernization of Forensic Science set-up in Himachal Pradesh 2000 and the two member committee report on Forensic Science submitted by Dr. M. S. Rao, Director-cum-Chief Forensic Scientist, Ministry of Home Affairs, Govt. of India, New Delhi on 31.3.2000 to Home Department in a phased manner.
3. To ensure autonomy, transparency, impartiality and credibility of the Forensic Science reports in the State and that of the Forensic Science institutions.
4. To identify needs for creation of different specialties/facilities in Forensic Science set-up in the State and providing facilities for the same. This will include creation of Regional Forensic Science Laboratories with mobile units at Range headquarters in Himachal Pradesh for providing quick response Forensic Science at the scene of crime.
5. To ensure that forensic inputs are effectively utilized in investigation and prosecution and to lay down training and communications policies for the purpose.
6. To analyze important cases of investigation/prosecution failure to identify additional forensic inputs that may be necessary to raise the success rate of conviction.
7. To approve the Annual Report of the Forensic Science Lab. and its contribution to investigation and successful Prosecution.

BY ORDER

Chief Secretary to the
Government of Himachal Pradesh

Schedule of meeting of HP Forensic Science Development Board Vide notification No. Home-C-(A)4-1/2006-II dated 23.09.2010, was changed and fixed half yearly instead of quarterly meetings. There have been seven meetings of H.P. Forensic Science Development Board. On an average one meeting is held per annum. The last meeting of HP Forensic Science Development Board was chaired by the then Hon'ble Chief Minister on 04.07.2012. There have been accomplishment of the tasks assigned in the proceedings of H.P. Forensic Science Development Board and the remaining tasks are being pursued.

PURCHASE OF STORES

There is no separate wing to effect purchases in the department. In order to bring transparency, the Government vide notification No. Home-C(C)14-1/2 dated 13.03.2007 constituted a committee to have all major purchases in Machinery & Equipment and Material & Supply budget head through the purchase committee. The composition of the committee is as under:

NOTIFICATION

In supersession to this department Notification of even number dated 27.2.2007, the Governor, Himachal Pradesh is pleased to re-constitute a purchase committee consisting of following delegates in the office of State Forensic Science laboratory, Junga to effect purchases and authorization of expenditure in Machinery and Equipments/Material and Supplies from sources as required/necessitated in view of provisions contained in H.P. Financial Rules, 1971:-

- | | | |
|----|---|----------|
| 1. | Director, FSL | Chairman |
| 2. | Commandant/ Asstt. Commandant
Police Battalion at Junga. | Member |
| 3. | Assistant Director/Scientific Officer
of concerned Division of SFSL. | Member |
| 4. | S.O. (Accts.), PHQ | Member |

BY ORDER
Pr. Secretary (Home) to the
Government of Himachal Pradesh



A VIEW OF FORENSIC XP 4010D

STATE FORENSIC SCIENCE LABORATORY

INTRODUCTION

Headquarters of Himachal Pradesh Forensics Services and State FSL are located at Junga. Junga remained capital of erstwhile princely state Keonthal ruled by Chandrabansi dynasty. HH Hitender Sen, 77th Raja, was the last ruler of Keonthal state. Junga is strategically located at the centre of the triangle formed by Shimla, Chail and Kufri, famous tourist destinations, at an elevation of 5350ft. State FSL is located at a distance of 25 km from the state capital of Himachal Pradesh, where the second oldest forensic institution in the world 'GEOD Shimla' was established in 1904. The weather at Junga remains pleasant throughout the year.

The State FSL complex comprises of an administrative block, laboratory blocks and residential blocks. The covered floor area of administrative & laboratories blocks is about 33000 square feet. The State FSL received cases for examination from the districts of southern range viz. Shimla, Kinnaur, Solan and Sirmour. For DNA analysis and NDPS cases, the State FSL caters to the needs of all districts of Himachal Pradesh. Analysis of crime exhibits and research problems require consultation of literature. Accordingly a library with books and journals is available. To keep pace with international scenario, the institution subscribes to journals and is on the mailing list of Royal Canadian Mount Police Journal (RCMP) and FBI bulletin (U.S.A) since 2013.

This is **Silver Jubilee Year** of State FSL. The Government has approved a number of events during the silver jubilee celebration year. To mark the celebration of State FSL entering into 25th year of its Raising Day on 13.12.2012, an exhibition with the theme Forensics in Action was organized at State FSL headquarters from 13-17.12.2012, for the public and school students. The Govt. has approved a Forensic Headquarters complex estimated cost Rs. 5 crores and budget provision has been made in 2014-15. There will be multi-storey complex with lift facility and car parking and will house proposed voice identification division, digital forensic division, conference hall, forensic gallery, guest house etc.

WORKING

There are six scientific Divisions:

- ◆ Biology & Serology Division.
- ◆ Chemistry & Toxicology Division.
- ◆ Physics & Ballistics Division.
- ◆ Documents and Photography Division.
- ◆ NDPS Division
- ◆ DNA Profiling Division

The work is in progress for planned expansion of additional divisions / specialities in the State FSL to cater the needs of investigating agencies.

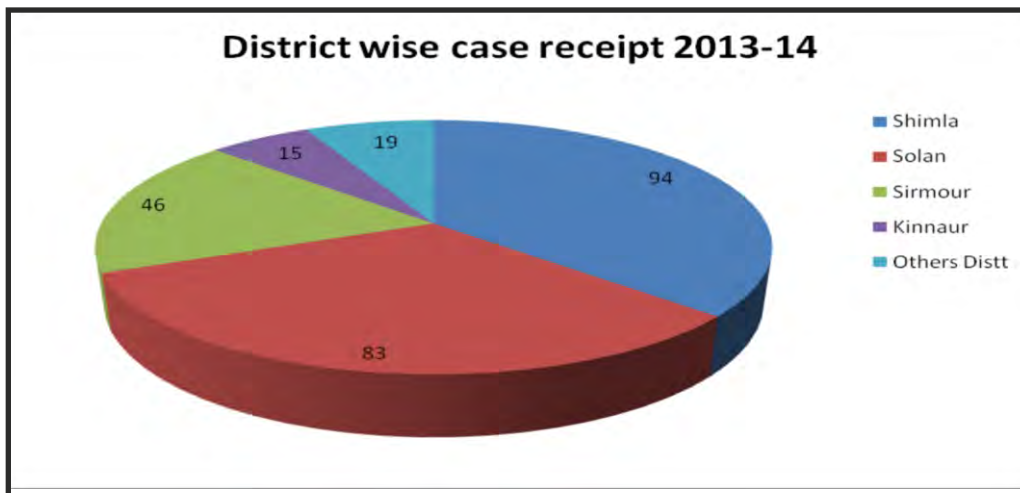
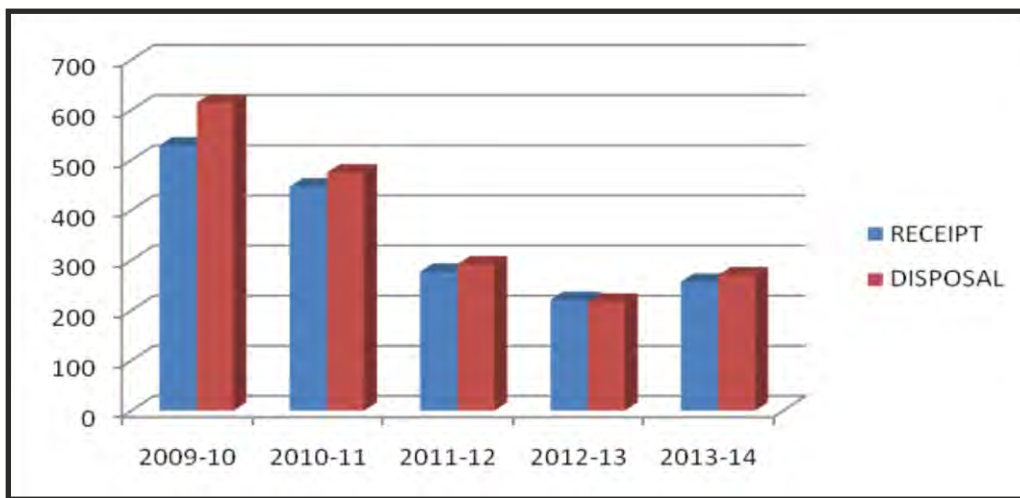


BIOLOGY & SEROLOGY DIVISION

Evidences of biological origin play a vital role in cases of homicide, suicide or accidental death, sexual assaults and in cases of wildlife (flora and fauna) besides ante-mortem or postmortem drowning. The clues are examined for the purpose of identification and comparison with control samples. Types of evidences examined are given as under:

- ◆ Blood, semen and saliva
- ◆ Vomit, faecal matter
- ◆ Tissue & skin in partially burnt bodies/dowry deaths/hanging cases
- ◆ Bone (animal and human) age, sex in respect of human bones
- ◆ Hair (animal & human), fibre, feather
- ◆ Maggot
- ◆ Wood & plant identification
- ◆ Wildlife Cases (examination of animal skin, blood, flesh)

CASE STATISTICS

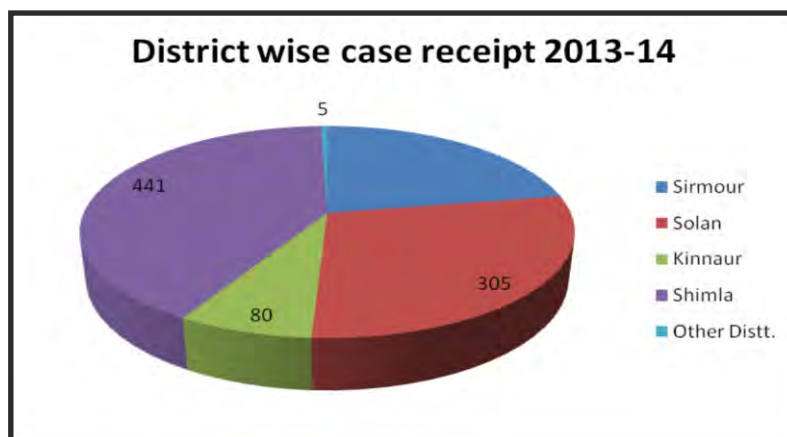
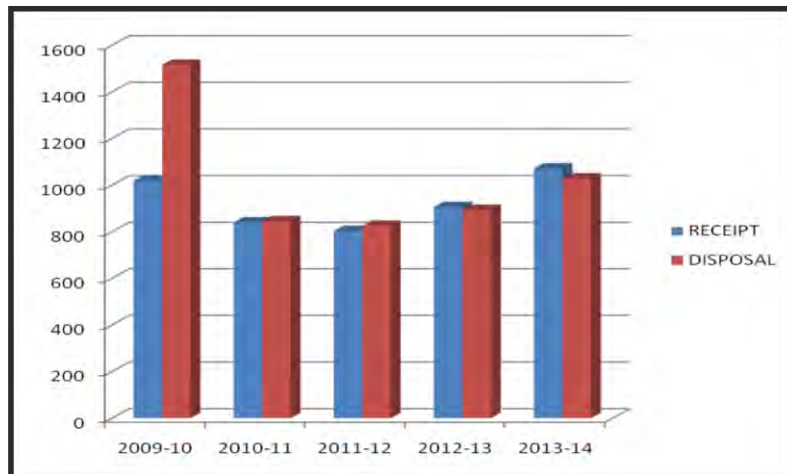


CHEMISTRY & TOXICOLOGY DIVISION

Himachal Pradesh is known as a fruit bowl and insecticides and pesticides are widely used. That makes the poisons' accessibility easy to the common man and cases of deaths due to poisons are common. In addition, more than one thousand deaths are reported on the roads per annum due to road accidents in Himachal Pradesh thereby contributing towards viscera analysis workload. With the establishment of RFSLs at Dharamshala & Mandi, there has been a fall in the case receipt at State FSL from 2010-11 onwards. The division undertakes examination of clue materials such as:

- Chemical identification of unknown substance
- Poison
- Petroleum products residue in arson & dowry death
- Determination of drunkenness from blood and urine
- Acid & alkali attacks
- Grease, wax, natural oil & resin
- Trap case-samples in bribery
- Hooch tragedy cases
- Cosmetic & organic dyes
- Liquor cases
- Adulteration in petroleum products

CASE STATISTICS

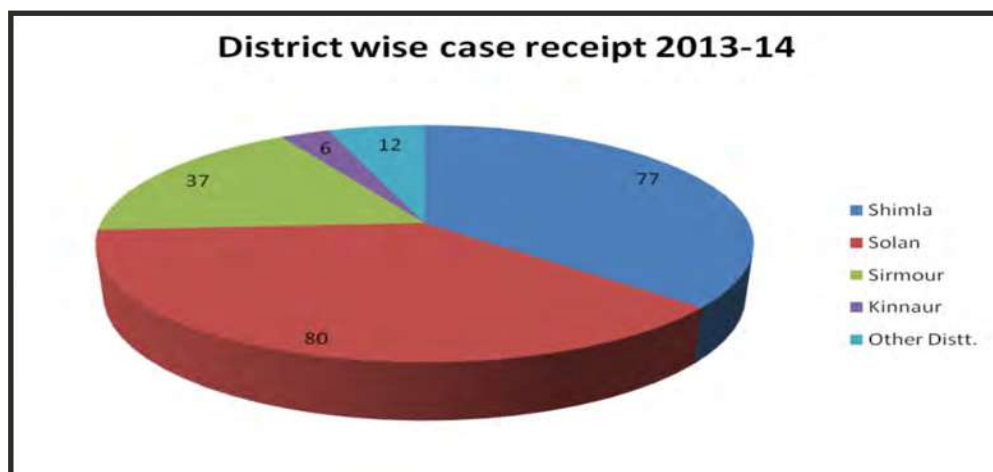
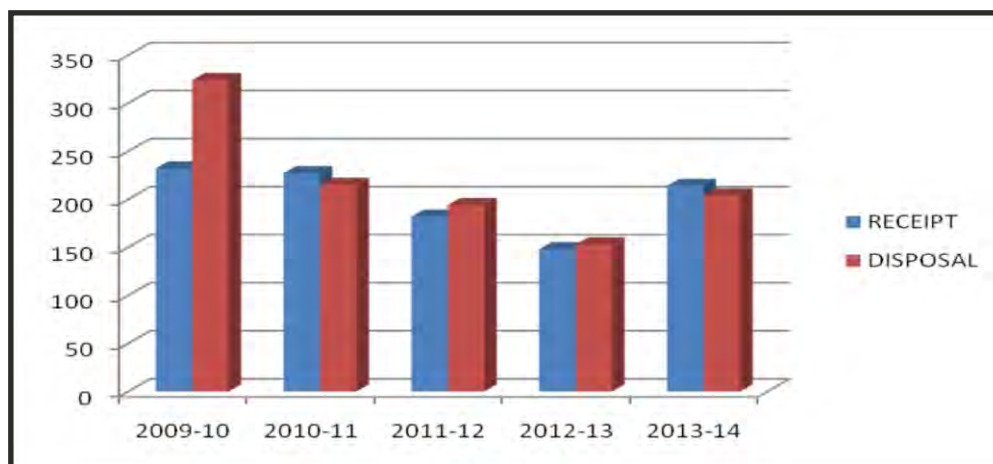


PHYSICS & BALLISTICS DIVISION

Dr. B.R. Sharma, the founder Director, examined and reported physics & ballistics cases till September 1993 when he demitted the office. Examination work stopped and commenced again when new staff was posted in 1999. The physics & ballistics division undertakes examination of clue materials such as:

- Tool mark & telephone cable
- Footprint, shoe print & tyre mark
- Paint & glass
- Building material & bitumen
- Paper & fiber
- Metal adulteration in jewellery
- Soil, sand & grit
- Shining globule formation in electric short circuiting
- Resuscitation of number of stolen vehicle chassis & firearm
- Firearm, ammunition & gunshot residue etc

CASE STATISTICS

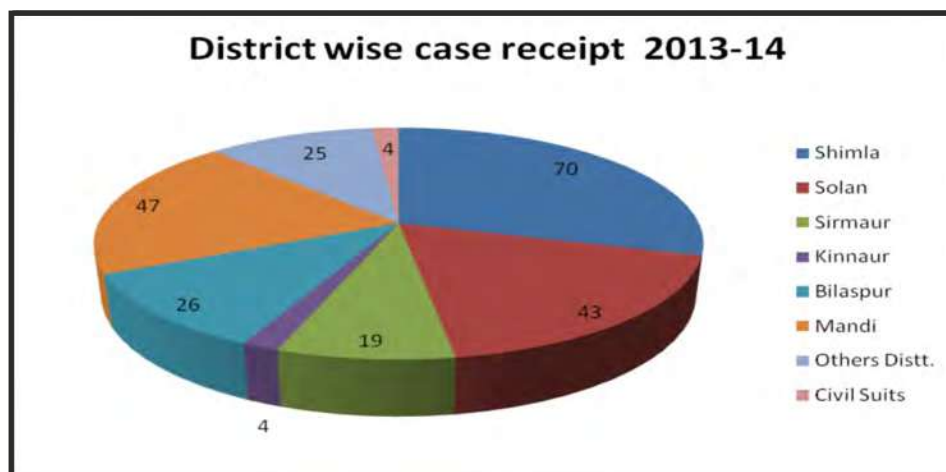
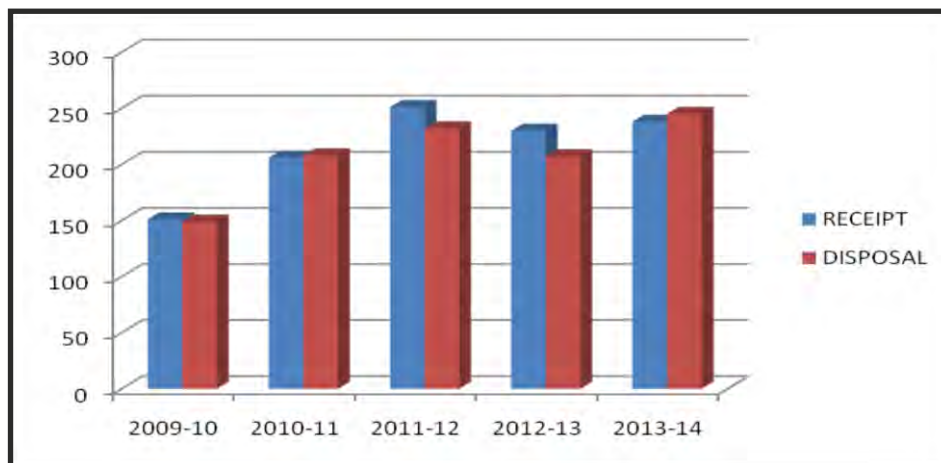


DOCUMENT & PHOTOGRAPHY DIVISION

Dr. B.R. Sharma, the founder Director, examined and reported cases of handwritings, frauds & forgery, alteration, obliteration, additions, substitutions etc., till September 1993. Examination work stopped and commenced again when new staff was posted in the year 2000. In 2010, with new initiative, cases pertaining to computer forensics which include analysis of hard disks, pen drives, memory cards, floppies, compact disks, digital video recorder etc. commenced. The division undertakes examination of:

- Handwriting, signature, type writing, computer print out & printed material
- Addition, alteration, obliteration, substitution, erasure
- Stamp & seal
- Security document, currency, passport, credit & debit card
- Burnt & soiled document
- Scene of crime photography
- Inter & intra division photography
- Digital storage media

CASE STATISTICS

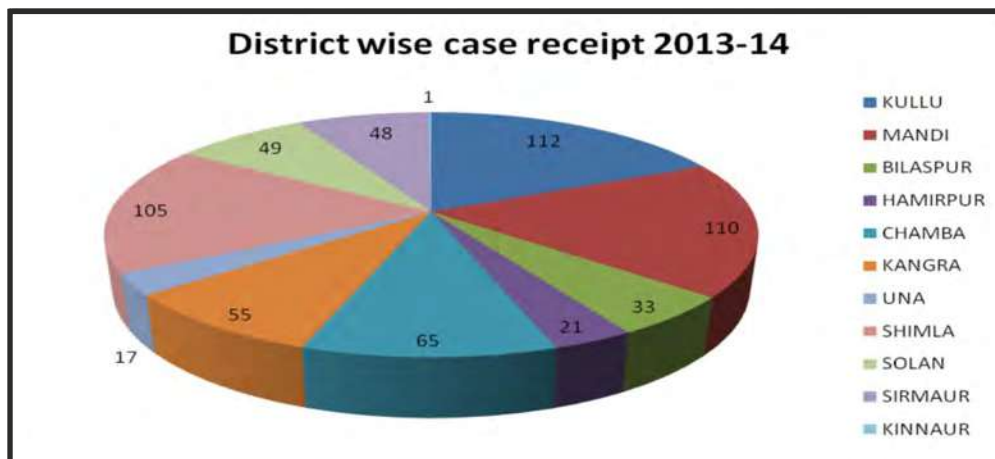
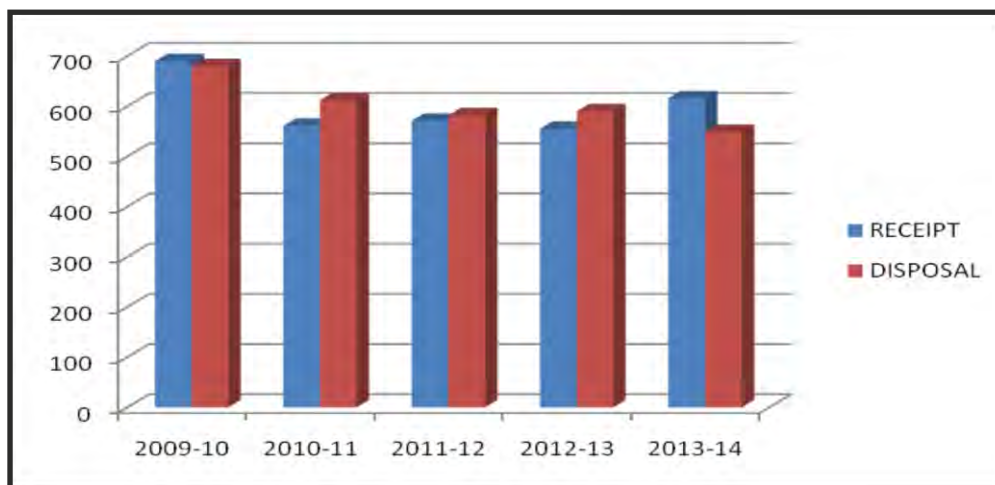


NDPS DIVISION

With the rise in the number of narcotic drugs and psychotropic substances cases in Himachal Pradesh due to influx of foreign nationals for world famous MALANA cream (from cannabis 'Bhang' plant), the Government of Himachal Pradesh created & established a dedicated NDPS division, first of its kind in north India, in the year 2006. A new trend of high potency drugs viz. LSD, amphetamine (MDA) & methamphetamine (MDMA) was observed. The division undertakes examination of the followings:

- Opium, poppy straw, heroin/smack/brown sugar
- Charas, ganja, bhang & hashish oil
- Cocaine
- LSD, amphetamine & methamphetamine
- Benzodiazepine
- Designer drug

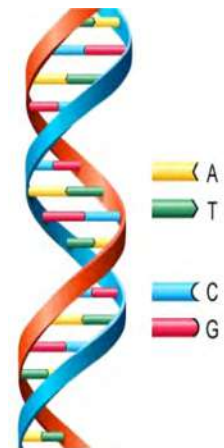
CASE STATISTICS



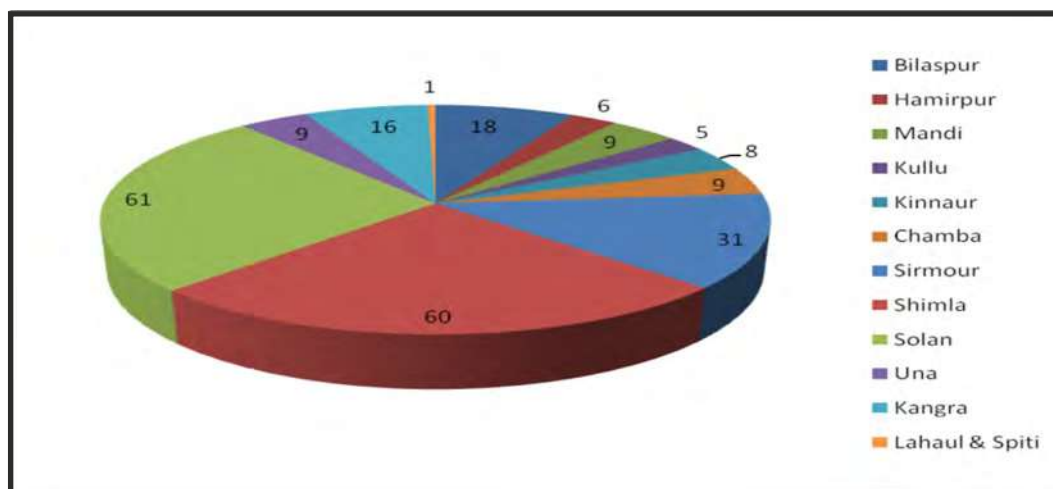
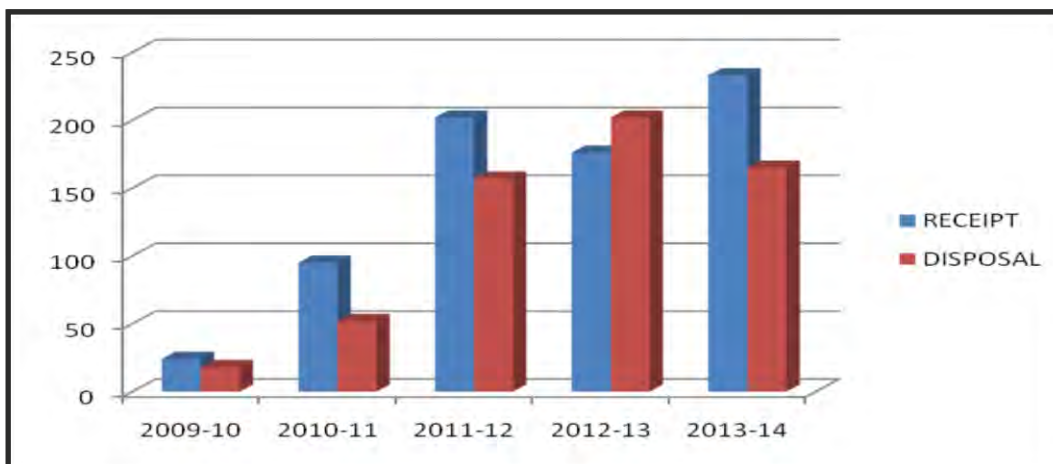
DNA DIVISION

With the rise in offences against body like sexual assaults, homicides etc, there was a need to provide better linking evidence. The government of Himachal Pradesh created a dedicated DNA division in the year 2006. With the new initiative, the technique was introduced in Biology & Serology division by developing infrastructure and made functional in 2008. DNA profiling is done in cases of disputed parentage, burglary, in identity problems, homicide & sexual assaults. The division undertakes DNA profiling of biological clues such as:

- Human body fluid (blood, semen, saliva, urine etc.)
- Human body tissue (hair, skin, flesh & bone)
- Nail bed material
- Teeth
- Vomit
- Foetal remain & retained product of conception.
- Cigarette butt



CASE STATISTICS



TEACHING & TRAINING

Name & Designation	No. of lectures / demonstrations
Dr. Arun Sharma, Director	67
Dr. G. C Thakur, Assistant Director	18
Dr. V.S. Jamwal, Assistant Director	07
Sh. Visheshwar Sharma, Assistant Director	11
Dr. Aparna Sharma, Assistant Director	04
Dr. Vivek Sahajpal, Assistant Director	15
Sh. Kapil Shrama, Assistant Director	06
Sh. Chaman Lal, Scientific Officer	10
Sh. Nasib Singh, Scientific Officer	23
Dr. Jagjeet Singh, Scientific Officer	11
Dr. Neelam Kaushik, Scientific Officer	07
Sh. H.K. Bhardwaj, Scientific Assistant	03
Sh. Jaswant Singh, Scientific Assistant	06
Sh. Rajat Chaudhary, Scientific Assistant	01

TRAINING ATTENDED

Training is a key feature rather essential aspect of human resource development. Training interventions often aim to affect the attitude as a way of honing up skill and behavior. Accordingly, officers and officials are deputed from time to time to undergo training in different institutions

Name	Course
Dr. V.S. Jamwal	Office Procedure and Financial Administration at Himachal Pradesh Institute of Public Administration, Fairlawns, Shimla on 03-07.02.14.
Sh. Nasib Singh Patial	E-governance under National e-governance plan organized by DIT/ HP Govt. at Shimla on 09-11.09.13.
Dr. Jagjeet Singh	Essentials of Finance and Financial Methodology sponsored by DST/GOI at Amity University, Noida on 18-29.11.13.
Sh. Satya Prakash	Basics of MS Word/MS Excel & Internet at Himachal Pradesh Institute of Public Administration, Fairlawns, Shimla on 18-22.11.13
Sh. Laxmi Dutt, Sh. Suneel Kumar, Hira Nand & Naresh Kumar	Basics of MS Word/MS Excel & Internet at Himachal Pradesh Institute of Public Administration, Fairlawns, Shimla on 07-11.10.13.
Sh. Hari Krishan, Santosh Singh, Om Prakash & Chaman Lal, Ms. Nisha Devi, Sarita Gupta & Sulakshana Rani	Basics of MS Word/MS Excel & Internet at Himachal Pradesh Institute of Public Administration, Fairlawns, Shimla on 21-25.10.13.

CONFERENCE/SEMINAR/WORKSHOP/SYMPOSIUM ATTENDED

Name	Remarks
Dr. Arun Sharma	<ul style="list-style-type: none"> 4th Workshop on Forensic Evidence in Human Trafficking at NICFS, New Delhi on 24-26.02.14.
Sh. Visheshwar Sharma & Dr. Jagjeet Singh	<ul style="list-style-type: none"> Demonstration on mobile phone examination on the equipment XRY at State FSL HP on 7-8.07.13.
Dr. Vivek Sahajpal	<ul style="list-style-type: none"> Combined DNA Index System (CODIS) by FBI specialist at US Embassy, New Delhi on 19.9.13.
Sh. Nasib Singh	<ul style="list-style-type: none"> Workshop on speaker identification and tape authentication at NICFS, New Delhi on 06-08.08 .13.
All GOs of State FSL &RFSLs	<ul style="list-style-type: none"> Workshop on e-fsl organized by NIC, Shimla on 16.05.13

WORKSHOP ORGANIZED

Workshop on Role of Forensic Science

During Silver Jubilee Year a workshop was organized for lawyers on 23.11.13 at Judicial Complex Mandi. The workshop was inaugurated by Justice Sh. V.K. Sharma, Hon'ble Judge, HP High Court, Shimla.



COURSE ORGANIZED

With the aim to enhance use of forensics in police investigation, also mandated by the enactment of HP Police Act, 2007, courses were organized. By adopting scientific means professionalism in crime investigation is bound to increase. Similarly, it has become imperative to impart training to the officers of judiciary and the prosecution department for better understanding, evaluation and appreciation of forensic reports in dispensation of justice.

Course	Number
<ul style="list-style-type: none"> • Training programme on Forensic Science for the investigating officers of southern range on 10-22.02.14 	27
<ul style="list-style-type: none"> • Induction course for newly appointed Judicial officers in collaboration with HP State Judicial Academy Shimla on 27.01- 01.02.14 	11
<ul style="list-style-type: none"> • Training of Dy.SPs (probationers) in collaboration with Police Training College Daroh on 04-10.12.13 	08
<ul style="list-style-type: none"> • Training programme on Forensic Science for investigating officers of southern range on 22.04- 04.05.13. 	17
<ul style="list-style-type: none"> • A seminar on Quality Assurance in Forensics and ISO/IEC 17025 for GOs of SFSL and RFSLs on 22.3.14. 	20
Total	83

SESSION CHAIRED/RADIO TALK/TV TALK

Name & Designation	Activity
Dr. Arun Sharma Director	Inaugurated book exhibition on Crime against Women and Children, Gaiety theatre, Shimla on 27.04.13
Sh. Visheshwar Sharma Asstt. Director	Talk on Forensic Documents during workshop for lawyers at Mandi on 23.11.13

INTERNSHIP

Analysis of clues in the forensic lab has a direct bearing on lives and liberties of people. Accordingly, technically qualified manpower is essential to undertake the task. With this motive, students from different universities in different disciplines were imparted training to generate professionals.

Title	Number
Biology & Serology Division <ul style="list-style-type: none"> • Students of M.Sc. Forensic Science, Department of Anthropology, Punjab University, Chandigarh on 03-29.06.13 • Students of M.Sc. Forensic Science, M.D.U., Rohtak on 03-29.06.13. • Students of M.Sc. Forensic Science, Institute of Forensic Science & Criminology, Punjab University, Chandigarh on 04-22.06.13. • Students of M.Sc. Forensic Science, Punjab University, Chandigarh on 12.06-11.07.13. • Students of B.Sc. Forensic Science, Teerthankar Mahavir University, Muradabad on 23.07-17.08.13. 	05 01 01 03 02
Chemistry & Toxicology Division <ul style="list-style-type: none"> • Students of M.Sc. Forensic Science, Punjab University, Chandigarh on 18.07-16.08.13 	01
Document & Photography Division <ul style="list-style-type: none"> • Student of M.Sc. Forensic Science, Bundelkhand University, Jhansi on 05.07-04.09.13. 	01
NDPS Division <ul style="list-style-type: none"> • Students of M.Sc. Forensic Science, Maharishi Dayanand University, Rohtak on 03-25.06.13. 	02
DNA Division <ul style="list-style-type: none"> • Students of five years integrated course of B.Tech & M.Tech Nanotechnology, Amity University, Noida on 27.05- 26.06.13. • Students of M.Sc. Forensic Science, Punjabi University, Chandigarh on 03- 29.06.2013. • Students of B.Sc. (Hons) Biotechnology Gosuami Ganesh Dutt Sanatan Dharm College, Chandigarh on 03-22.06.13 • Students of B.Tech Biotechnology Shoolini University, Solan on 24.06- 20.07.13 • Students of M.Sc. Forensic Science, Punjabi University, Patiala on 24-28.09.13 	01 01 01 02 01

<ul style="list-style-type: none"> • Students. of M.Sc. Forensic Science, IIE Ghanahatti, Shimla on 16.09-15.10.13 • Students of B.Tech Biotechnology SRM University, Kattankulathur, Tamilnadu on 02-13.12.13 • Students of B.Tech Biotechnology Shoolini University, Solan on 14.01- 31.03.14. 	04 01 02
Total	29

VISITS TO STATE FSL HP

Title	Number
1) Trainee medical officers from SHRFWTC, Shimla-09 on 03.04.2013	31
2) Trainee of Homeopathic Medical College, Solan on 08.08.13	54
3) Trainee of Northern Eastern Police academy, Shillong on 12.09.13.	27
4) Trainee medical officers from SHRFWTC, Shimla-09 on 07.10.13	18
5) Students from HPU Shimla (Law College) on 08.10.13	47
6) Students from HPU Shimla (Law College) on 09.10.13	40
7) Students of institute of Forensic Science, Mumbai on 25-26.02.14.	15
Total	232



DIGNITARY

Visitor(s)	Date
Dr. Sukhdeep Kaur, Assistant Professor, Homeopathic Medical College & Hospital, Solan.	08.08.13
Delegates of Northern Eastern Police Academy (MHA/GOI), Shillong.	12.09.13
Dr. Souami G Negi, Epidemiologist, SHRFWTC, Shimla-09	07.10.13
Dr. Veena Chandel, Assistant Professor, UILS, Shimla -04	08.10.13
Dr. H.S. Sekhon, Professor & Head and Dr. A.K. Sharma, Associate Professor, Department of Forensic Medicine, IGMC, Shimla.	06.11.13
Sh. Sanjay Karol, Hon'ble Judge, HP High Court Shimla & Sh. C.B. Barowalia, Director HP State Judicial Academy, Shimla.	20.01.14
Ms. Shalini Agnihotri & Mr. Rohit Malpani, IPS Probationers.	05.02.14



Workshop on e-fsl organized by NIC, Shimla

RFSL, NR, DHARAMSHALA

Dharamshala became head quarters of District Kangra in 1855 and is located in the shadow of Dhauladar Mountains. The area known as Dharamshala was annexed by the British in the year 1848 and is currently known as the winter capital of the state. The area was ruled by the Katoch dynasty of Kangra said to be the oldest surviving royal family in the world. Kangra is famous for the Kangra tea. There are many temples in Kangra including Masroor Rock Cut temple dating back to 8th century and have carvings similar to Kailash temple at Ellora.



In the first meeting of the Himachal Pradesh Forensic Science Development Board, the Government approved the setting up of Regional Forensic Science Laboratory, Northern Range, Dharamshala to cover the farthest ends and to expedite delivery of forensic reports from the lab. In the beginning (2008), the RFSL, NR Dharamshala was temporarily housed in a rented accommodation. Now, the RFSL has moved to its own new complex in 2012. The complex has covered floor area of about 10,000 square feet. The RFSL Dharamshala is catering to the needs of three districts viz. Kangra, Chamba and Una. The forensic experts at RFSL, NR Dharamshala are rendering services in the field scene of crime examination and providing regular faculty to the Police Training College, Daroh. The RFSL is on the mailing list of RCMP journal (Canada) and FBI bulletin (USA).

The institution has been in the forefront in introducing novelty and has taken lead on many fronts. On 03.03.2013 a Pilot Project “One-District, One-Police Station” (ODPS), first of its kind in the country, has been launched by the Hon'ble Chief Minister, Himachal Pradesh, Raja Vir Bhadra Singh during silver jubilee year of the State FSL and was extended up to March, 2015. Sometimes, the available techniques are not delivering good results that necessitate the use of new technology. Forensic XP-4010D, second in the country was acquired under Modernization of Police Forces Scheme, GOI and have multiple features. The equipment was dedicated to the state by Hon'ble Chief Minister on 29.10.13. The officers from Uttrakhand FSL received training on the instrument at RFSL, NR, Dharamshala.

WORKING

There are three divisions:

- Biological Sciences (Biology & Serology Division)
- Chemical Sciences (Chemistry & Toxicology Division)
- Physical Sciences (Document & Photography Division)

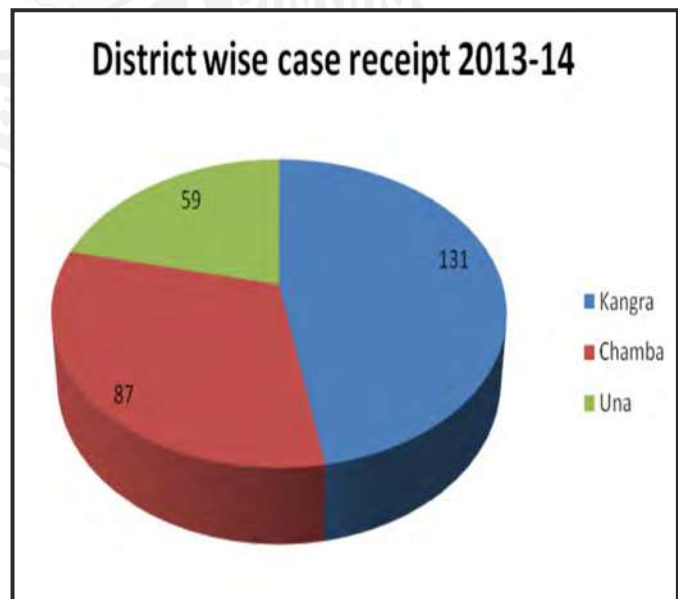
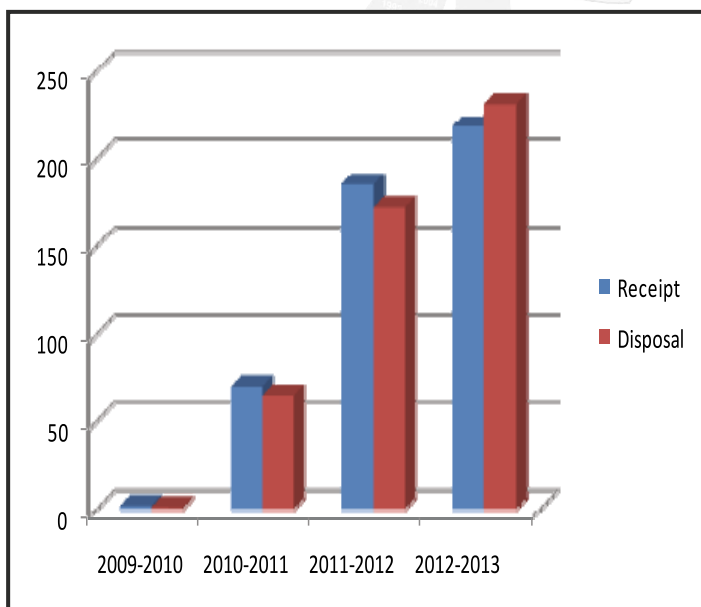
BIOLOGY & SEROLOGY DIVISION

This division has been functioning since 2008. The scientific posts were filled up in 2010. The division undertakes examination of the following types of evidentiary clues in different crime cases for identification and comparison:

- Blood, semen and saliva
- Vomit and faecal matter
- Bone (animal and human)
- Wildlife cases (flora and fauna)
- Maggot
- Diatom
- Charred bone, tissue and skin
- Hair (animal & human), fibre, feather
- Wood and plant products



CASE STATISTICS



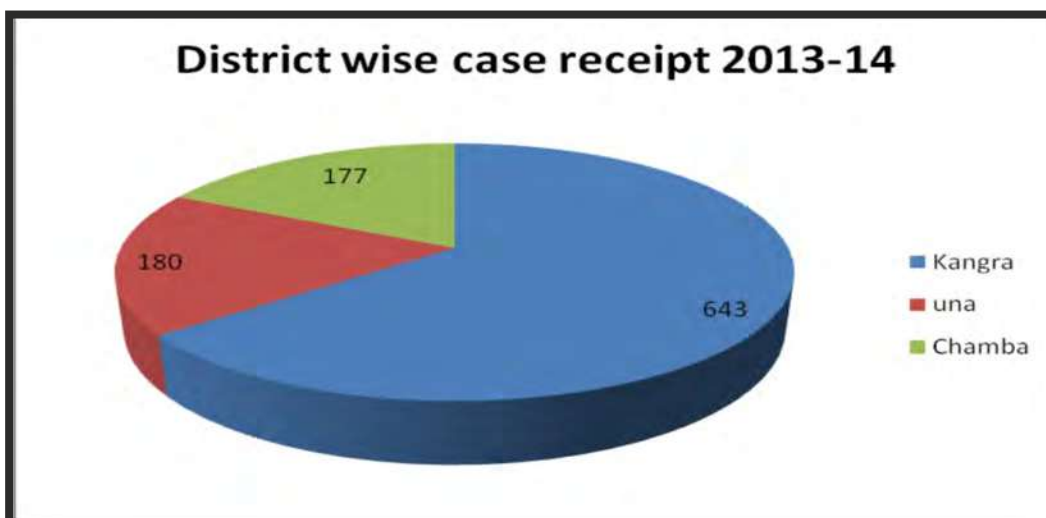
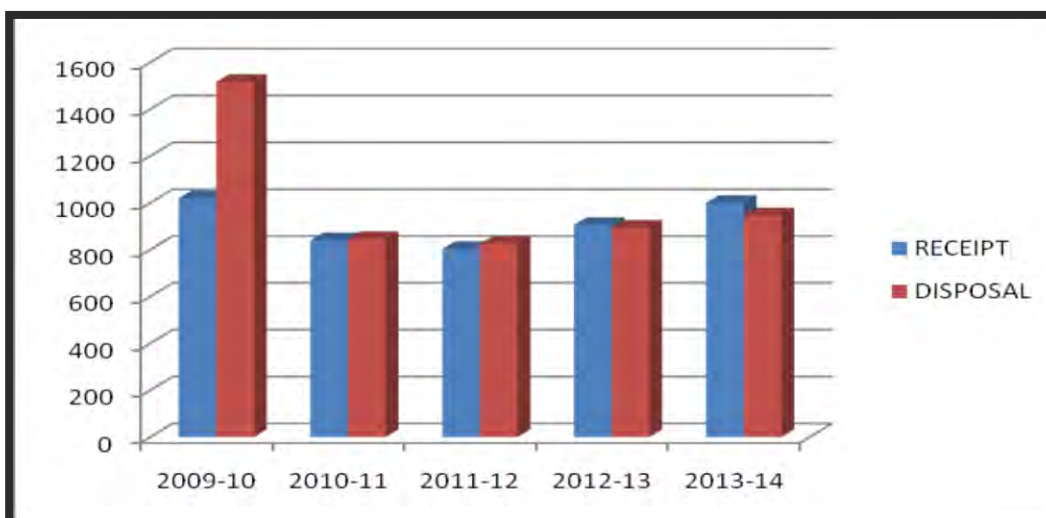
CHEMISTRY & TOXICOLOGY DIVISION

The division undertakes examination of clue materials such as:

- Poison
- Petroleum product residue in arson & dowry death
- Alcohol estimation from blood and urine for drunkenness
- Phenolphthalein in trap cases
- Liquor
- Methanol in hooch tragedy
- Acid & alkali attacks
- Grease, wax, oil & resin
- Cosmetic & organic dye
- Adulteration in petroleum products
- Chemical identification of unknown substances



CASE STATISTICS



DOCUMENT & PHOTOGRAPHY DIVISION

The Document and photography Division was established in July, 2008. The crime cases pertaining to Forensic Documents from Districts Kangra, Chamba, Una, Hamirpur, Kullu, Lahaul Spiti, SV&ACB of Northern Range, CID Unit Northern Range, beside cases from Judiciary are undertaken for examination. Forensic Document is the systematic and scientific study of holomastic and onomastic documents. This division provide solutions in:

- Fraud & forgery
- Handwriting, signature, typewriting, computer printout
- Stamp & seal
- Burnt & soiled document
- Counterfeit currency
- Genuineness of security documents viz. Passport, stamp paper, credit card, debit card and other financial document
- Evaluation of erasure, obliteration, alteration, indentation etc.
- Paper and ink analysis
- Preservation of hard disk, memory card, pen drive, compact disc, digital video recorder, mobile phone.
- Scene of crime photography and laboratory photography

EXAMINATION OF SECURITY DOCUMENT AND CURRENCY NOTES



CASE STATISTICS

