

## MOTTO

विज्ञानेन सत्यान्वेषणम्

(Vigyanane Satya Anveshnam)

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-the-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 foundational 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

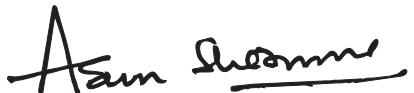
Forensics is constantly evolving and so is technology making various tools available and expanding its network to keep pace with the requirements of investigation agencies, the courts and the society. However, a plethora of challenges still stare at forensics.

The Department after it came into being about twenty seven years ago touched new development heights and was at the top in some areas among different states in the country like establishment of Disaster Victim Identification Cells, Touch DNA in a case, residential complex for RSFL staff and a plan to extend DNA facility up to RFSLS. The Govt. has undertaken several steps which has given new wings to the development of Himachal Forensics. For the first time a 'Five Year Perspective Plan (2014-2019)' aimed at infrastructure development and human resource development was got approved in the 8<sup>th</sup> Meeting of Himachal Forensic Science Development Board held on 22-07-2014. Likewise, a Forensics Headquarters complex with a super speciality block, its administrative approval and expenditure sanction received, will be in place by incurring an expenditure of about Rs. 11 crore. For the first time, department appeared in the budgets speech (2015-16) for the creation of Voice Identification and Digital Forensic divisions at the State FSL. Further, a new beginning has been made by organising workshops and seminars for departmental officers besides officers of Police, Prosecution, Judiciary and Medical to keep them abreast with the latest in the field and to disseminate forensic knowledge to them.

With the Forensics entering the investigation chain at the scene of occurrence, its positive effects on human society are bound to be far reaching and would help in protecting human rights and accelerate the justice delivery system. In consonance with this, the department is expanding to the district level with the implementation of the budget assurance of its first Distt. Mobile Forensic Unit at Bilaspur.

The delay not only infringes on the fundamental rights of the accused to speedy trials but also infringes on their rights to life and liberty. With that in mind, a pilot project -One District One Police Station "ODPS" launched at RFSL Dharamshala to adopt Police Station Sadar Dharamshala which envisages examination of crime exhibits in the lab and examination of scene of crime and delivery of reports thereof from the RFSL within fifteen days was extended up to 31-03-2016 on the demand of investigating agencies and the courts.

The department has shown its presence at different international fora and has earned appreciation for the good work done which not only motivates the officers but is also a great morale booster and would help inculcate high professional standards.

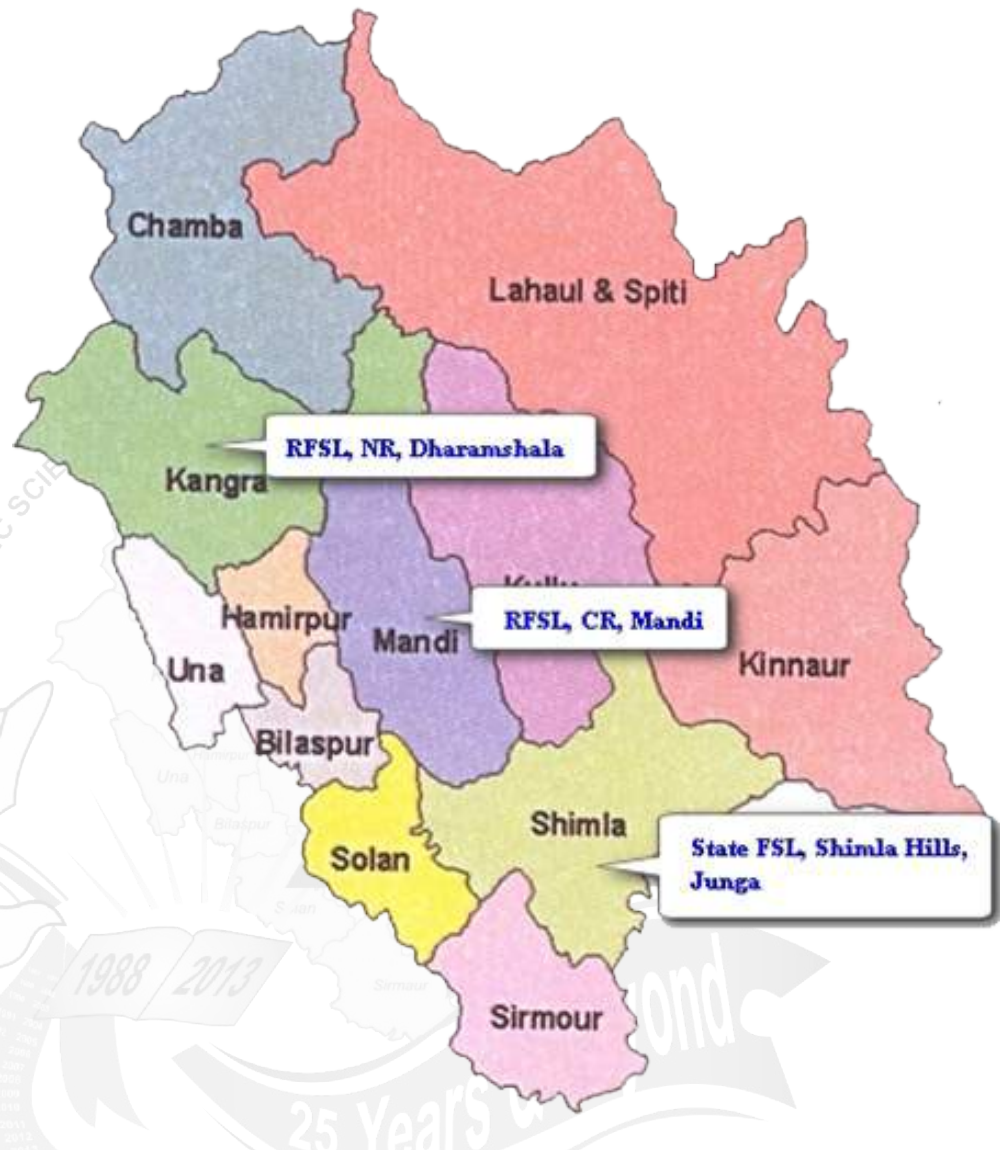
  
(Arun Sharma)  
Director Forensic Science

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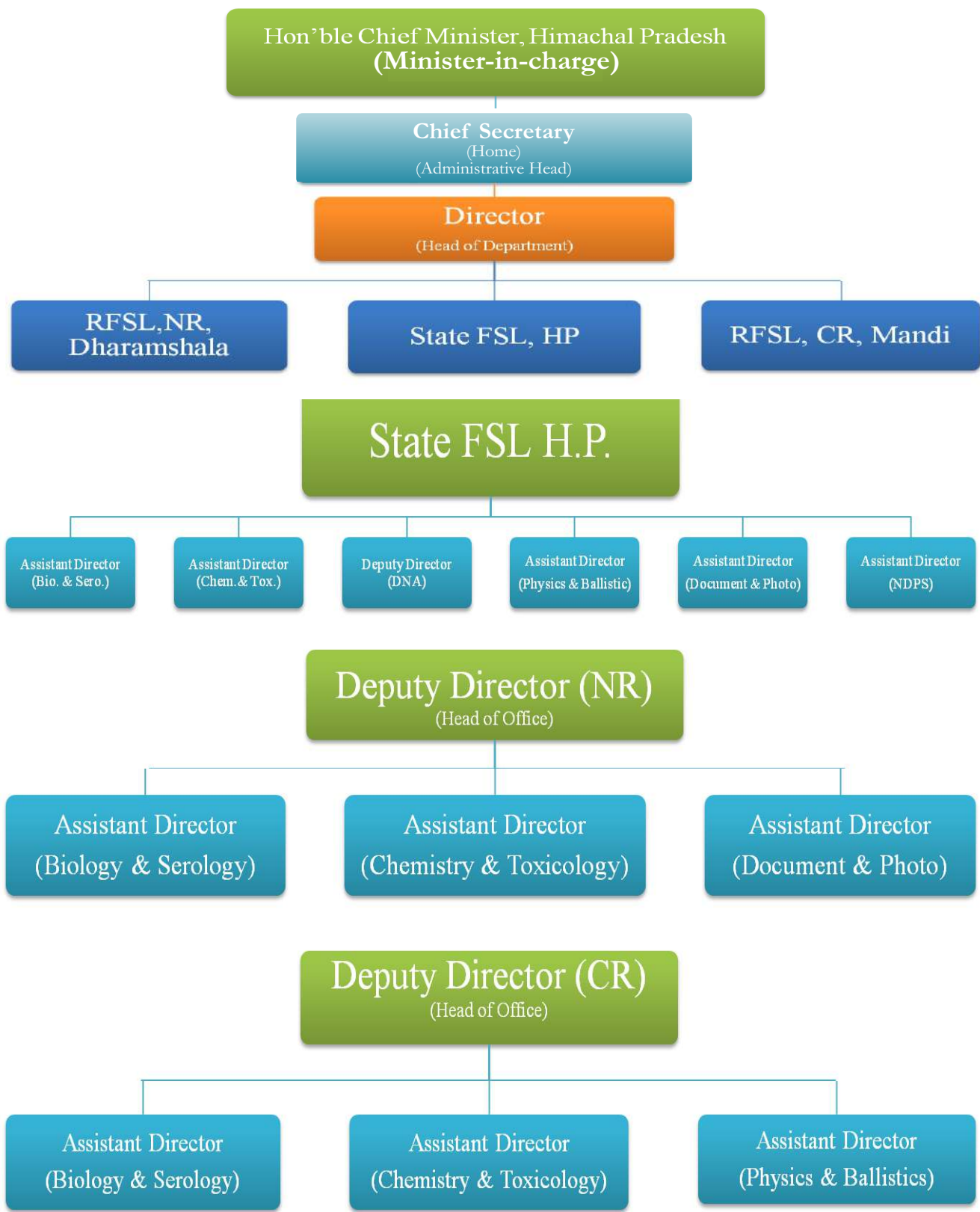
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# INTRODUCTION

State Forensic Science Laboratory, Himachal Pradesh was created on 13-12-1988 at Police Headquarters, 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



**Sh. Virbhadra Singh, Hon'ble Chief Minister, Himachal Pradesh presiding over the 8<sup>th</sup> Meeting of HP Forensic Science Development Board at Armsdale Building, Shimla**

# 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.   | <b>Chairman</b>  |
| 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 meeting. On an average one meeting is held per annum. 8<sup>th</sup> meeting of HP Forensic Science Development Board was held on 22.07.14. First time Five Years Perspective Plan 2014-2019 was approved aimed at infrastructure and human resource development. The targets assigned for first year of the Five Year Perspective plan (2014-2019) have been achieved to a great extent and the remaining tasks are being pursued.

# PURCHASE OF STORES

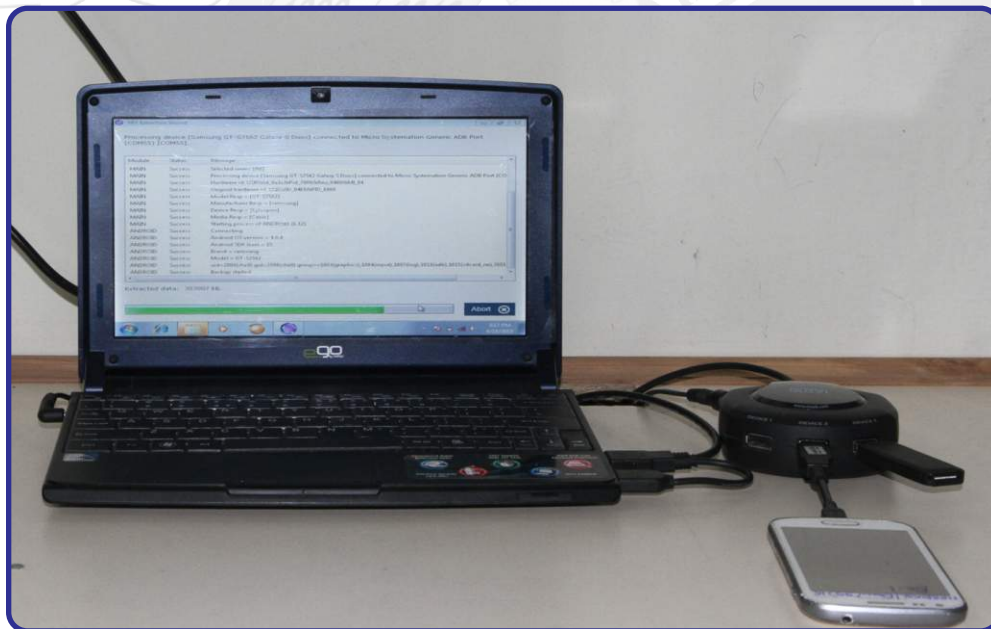
There is no separate wing to effect purchases in the department. In order to bring transparency, the Government vide notification No. Home-C(C)14-1/2 dated 13.03.2007 constituted a committee to have all major purchases in Machinery & Equipment and Material & Supply budget head through the purchase committee. 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<br>Police Battalion at Junga.              | Member   |
| 3. | Assistant Director/Scientific Officer<br>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 XRY Workstation – Cell Phone Forensics

# 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 'GEQD 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.

The Govt. has approved Forensic Headquarters complex with super specialty block with an estimated cost of Rs.11 crore and budget provision has been made in 2014-15. There will be multi-storey complex to house new specialities, conference hall, forensic gallery etc. with lift facility and parking floor. The Hon'ble Chief Minister, Himachal Pradesh has made an announcement in the budget speech for 2015-16 about the establishment of new specialities viz Voice Identification & Digital Forensic Divisions at State FSL Junga. The Govt has approved and sanctioned budget to set-up the Disaster Victim Identification (DVI) cells at State FSL's and Regional FSLs after rendering proactively service in collaboration with Andhra Pradesh, FSL, Hyderabad in the holiday horror tragedy below Larzi Dam in the basin of river Beas and became first lab in the country.

## WORKING

There are six scientific Divisions:

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

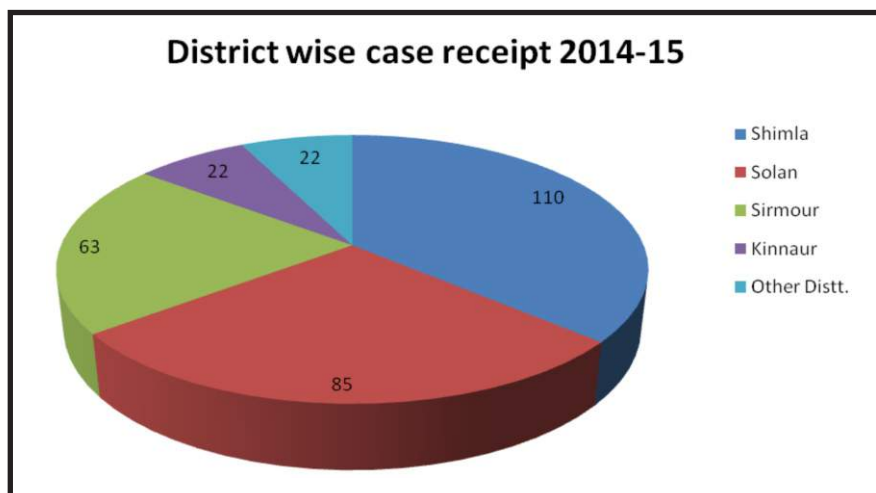
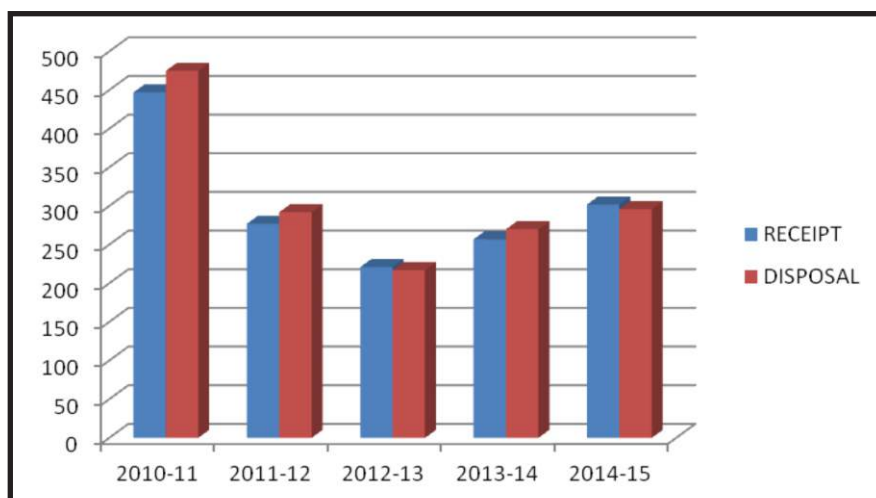
The work is in progress for planned expansion of additional divisions / specialities in the State FSL to cater the needs of investigating agencies.

## 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

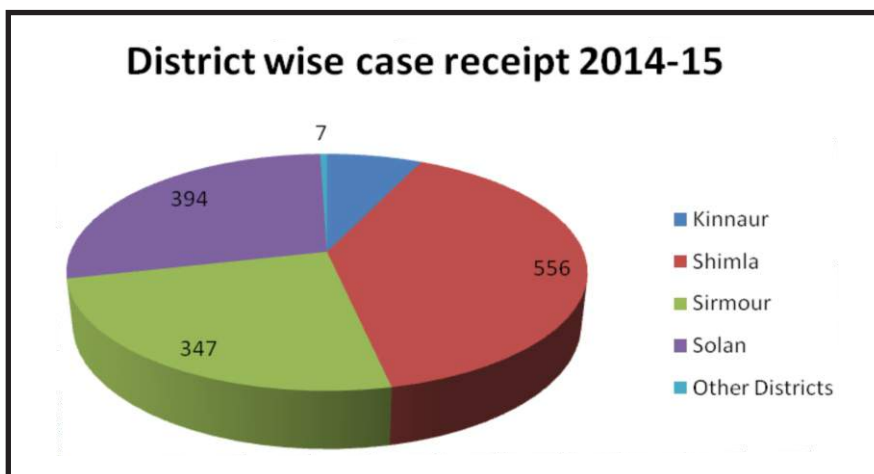
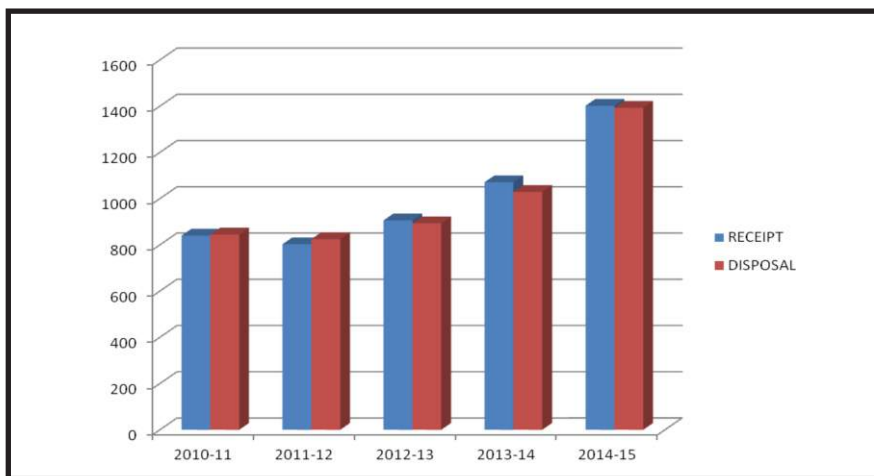


# CHEMISTRY & TOXICOLOGY DIVISION

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

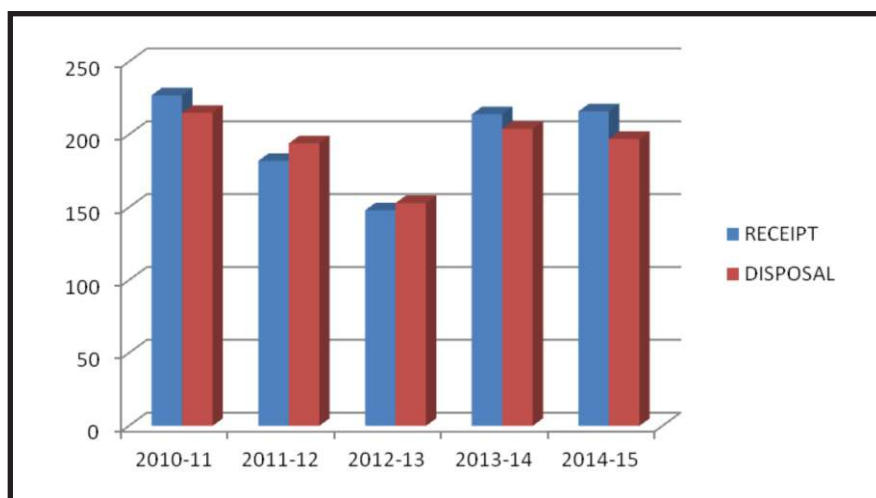


## PHYSICS & BALLISTICS DIVISION

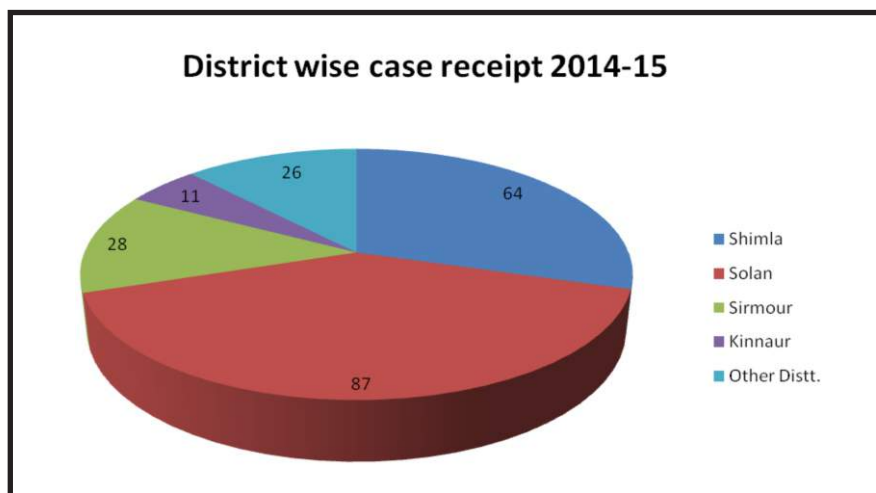
Dr. B.R. Sharma, the founder Director, examined and reported physics & ballistics cases till September 1993 when he demitted the office. Examination work stopped and commenced again when new staff was posted in 1999. The physics & ballistics division undertakes examination of clue materials such as:

- 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



### District wise case receipt 2014-15





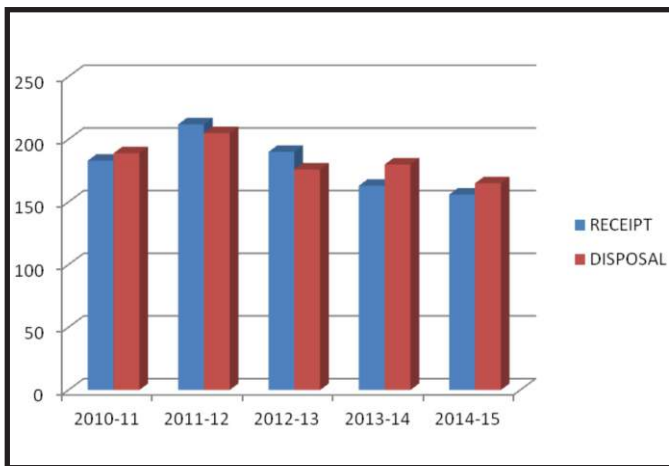
# DOCUMENT & PHOTOGRAPHY DIVISION

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 etc. commenced. The division undertakes examination of:

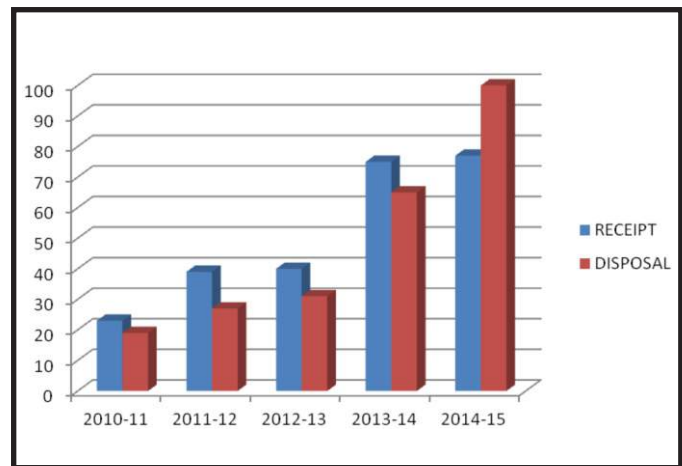
- Handwriting, signature, type writing, computer print out & printed material
- Addition, alteration, obliteration, substitution, erasure
- Stamp & seal
- Security document, currency, passport, credit & debit card
- Burnt & soiled document
- Scene of crime photography
- Inter & intra division photography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

## CASE STATISTICS

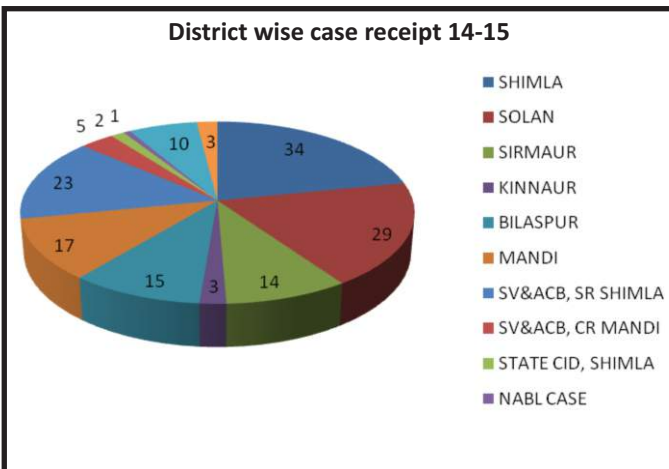
Documents cases



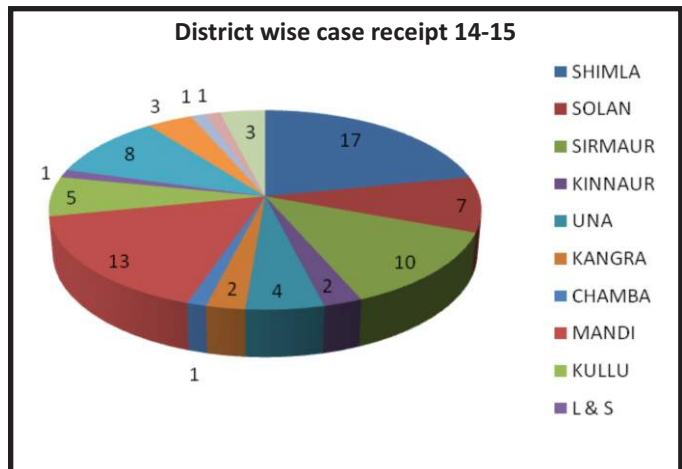
Cyber Cases



District wise case receipt 14-15



District wise case receipt 14-15

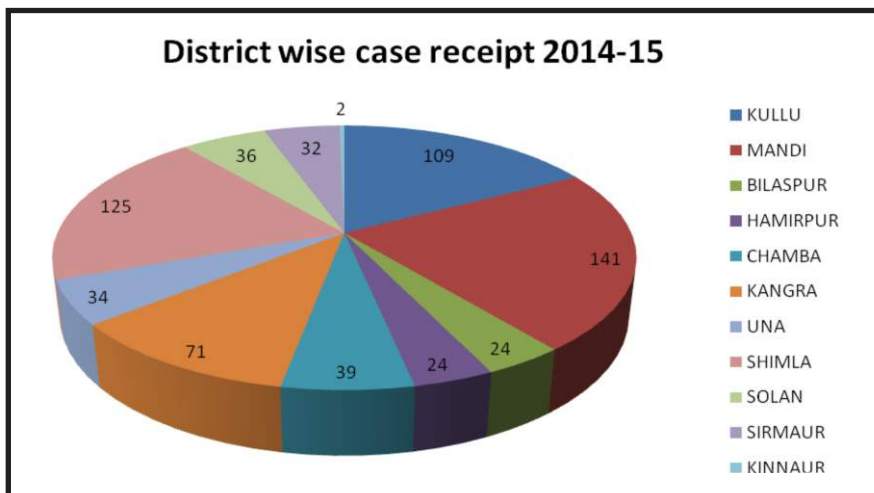
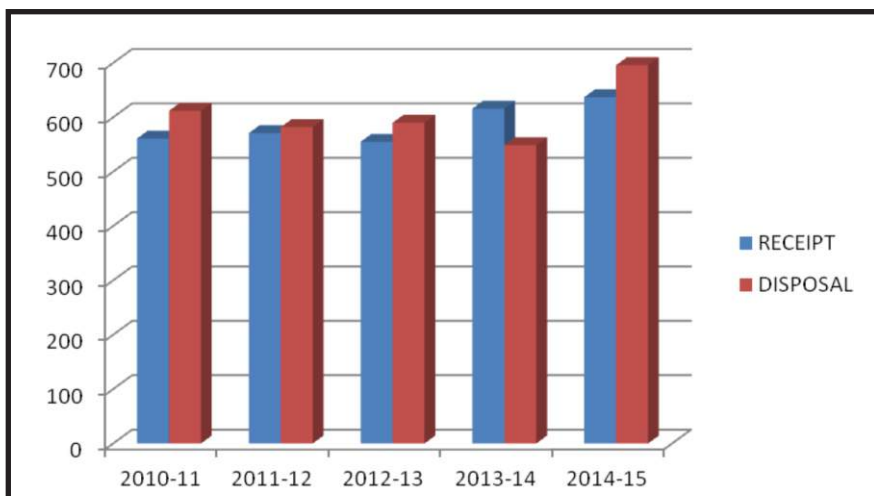


## NDPS DIVISION

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 NDPS division, first of its kind in north India, in the year 2006. A new trend of use 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

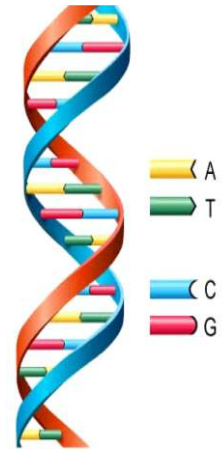
### CASE STATISTICS



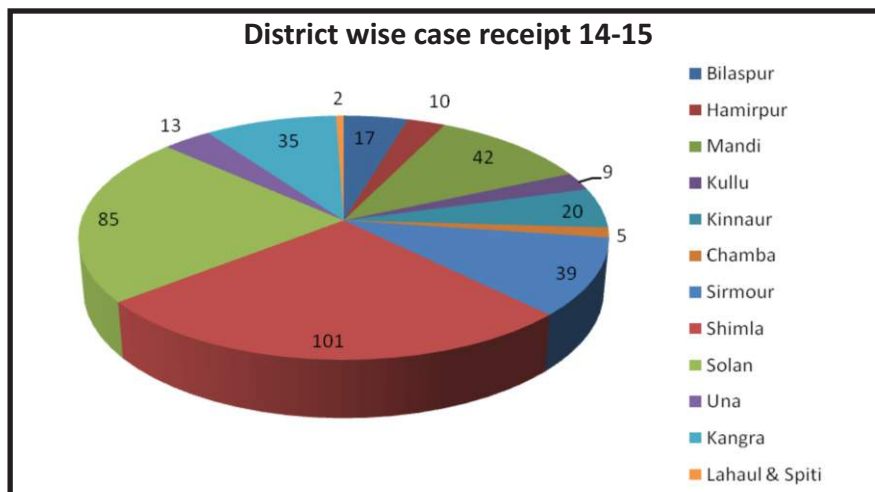
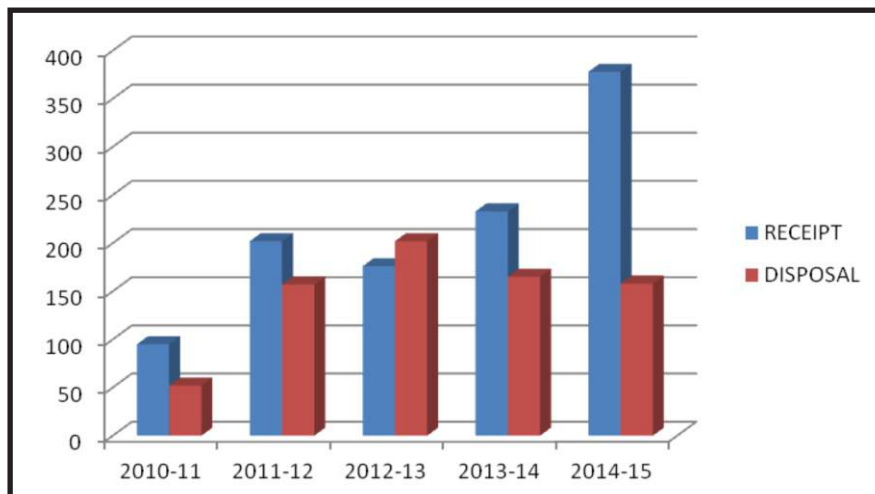
# DNA DIVISION

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, identity problems, besides homicide & sexual assaults. First time, touch DNA was done to settle an issue of homicide or suicide in a case of death due to fire arm. 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
- Fetal remain & retained product of conception
- Cigarette butt



## CASE STATISTICS



## TEACHING & TRAINING

| Name & Designation                        | No. of lectures / demonstrations |
|---|----------------------------------|
| Dr. Arun Sharma, Director                 | 65                               |
| Dr. G. C Thakur, Assistant Director       | 22                               |
| Dr. V.S. Jamwal, Assistant Director       | 09                               |
| Sh. Visheshwar Sharma, Assistant Director | 29                               |
| Dr. Vivek Sahajpal, Assistant Director    | 15                               |
| Sh. Kapil Shrama, Assistant Director      | 09                               |
| Dr. Sanjeev Kumar, Assistant Director     | 02                               |
| Sh. Nasib Singh, Scientific Officer       | 22                               |
| Dr. Jagjeet Singh, Scientific Officer     | 20                               |
| Dr. Neelam Kaushik, Scientific Officer    | 15                               |
| Sh. Rajesh Jamwal, Scientific Officer     | 12                               |
| Sh. H.K. Bhardwaj, Scientific Assistant   | 11                               |
| Sh. Jaswant Singh, Scientific Assistant   | 02                               |
| Sh Madan Gopal, Laboratory Assistant      | 01                               |
| Sh Satya Prakash, Laboratory Assistant    | 03                               |

### 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. Arun Sharma    | <ul style="list-style-type: none"> <li>• Importance of Ethics &amp; Values at HIPA, Shimla on 19-21.2.15.</li> <li>• Quality Norms of Forensic Science at National Institute of Criminology &amp; Forensic Science, MHA/GOI, New Delhi 28-30.1.15.</li> </ul> |
| Dr. G.C. Thakur    | <ul style="list-style-type: none"> <li>• Importance of Ethics &amp; Values at HIPA, Shimla on 19-21.2.15.</li> </ul>  |
| Dr. V.S. Jamwal    | <ul style="list-style-type: none"> <li>• Disciplinary Proceedings/Conduct Rules/ Deptt. Enquiry at HIPA, Shimla on 17-19.11.14.</li> </ul>  |
| Dr. Vivek Sahajpal | <ul style="list-style-type: none"> <li>• RTI Act, 2005 at HIPA, Shimla on 20-21.11.14</li> </ul>  |

|   |   |
|---|---|
| Dr. Sanjeev Kumar                           | <ul style="list-style-type: none"> <li>Disciplinary Proceedings/Conduct Rules / Deptt. Enquiry at HIPA, Shimla on 1-3.12.14.</li> <li>Physics &amp; Ballistics at SFSL, NCT, Delhi on 16-20.2.15</li> </ul>   |
| Sh. Nasib Singh Patial & Dr. Neelam Kaushik | <ul style="list-style-type: none"> <li>Service Delivery &amp; HP Guarantee Act, 2011 at HIPA, Shimla on 27-29.11.14</li> </ul>  |
| Dr. Jagjeet Singh                           | <ul style="list-style-type: none"> <li>Office Procedure and Financial Administration at HIPA, Shimla on 15-19.12.14.</li> <li>Digital Evidence at NICFS New Delhi on 28.4-2.5.14 and SFSL, Rohini, NCT, Delhi on 16-18.2.15</li> </ul>  |
| Sh. Rajesh Jamwal                           | <ul style="list-style-type: none"> <li>Computer Course on SPSS at HIPA Shimla on 7-10.7.14</li> <li>Sevottam at HIPA, Shimla on 20-22.10.14.</li> <li>Gas Chromatograph at SFSL Karnal (Madhuban) on 17-19.11.14</li> <li>Drug Law Enforcement and Forensic Science at NICFS Delhi on 13-17.10.14.</li> </ul> |
| Sh. Hira Singh Chandel                      | <ul style="list-style-type: none"> <li>Office procedure and Financial Administration at HIPA, Shimla on 15-19.12.14.</li> </ul>   |
| Sh. Madan Gopal & Smt. Shimlo Devi          | <ul style="list-style-type: none"> <li>Basic Computer Course at HIPA, Shimla on 1-5.7.14.</li> </ul>  |
| Smt. Binta Devi                             | <ul style="list-style-type: none"> <li>Basic Training on Floriculture at Dr. YSPUHF, Naini, Solan on 11-13.2.15</li> </ul>  |

### CONFERENCE/SEMINAR/WORKSHOP/SYMPOSIUM ATTENDED

| Name                                      | Remarks   |
|---|---|
| Dr. Arun Sharma                           | <ul style="list-style-type: none"> <li>Workshop on Strategic planning for stakeholders at HIPA, Shimla on 22.5.14.</li> <li>International Conference on Questioned Document Examination at Department of Forensic Science, Punjabi University Patiala on 10-12.1.15.</li> <li>New Interventions in Crime Investigation at RFSL, Dharmshala on 1.2.15.</li> <li>23<sup>rd</sup> All India Forensic Science Conference at Bhopal on 23-24.3.15</li> </ul> |
| Sh. Visheshwar Sharma & Dr. Jagjeet Singh | <ul style="list-style-type: none"> <li>International Conference on Questioned Document Examination at Department of Forensic Science, Punjabi University Patiala on 10-12.1.15</li> </ul>   |
| All GOs of State FSL & RFSLS              | <ul style="list-style-type: none"> <li>Seminar on Expert Evidence at Forensics Headquarters on 10.4.14</li> </ul>   |

## WORKSHOP/SEMINAR ORGANIZED

Workshop on NABL Accreditation for implementation of ISO: 17025 was organized for the officers of State FSL & Regional FSLs at Forensics Headquarters from 15-20 September, 2014.



## COURSES 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 for the investigating officers. 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    |
|--|-----------|
| • Two week training in Forensic Science for Investigating Officers of Southern Range on 10- 22.11.14 | 21        |
| • Induction Course for newly appointed Judicial Officers on 12-16.1.15                               | 03        |
| • Training on Forensic Science for HPS, Probationers on 23-29.12.14                                  | 03        |
| • Two week training in Forensic Science for Investigating Officers of Southern Range on 5- 17.1.15   | 25        |
| <b>Total</b>   | <b>52</b> |



**SESSION CHAIRED/RADIO TALK/TV TALK/ INVITED TALK**

| Name & Designation                          | Activity  |
|---|---|
| <p>Dr. Arun Sharma<br/>Director</p>         | <ul style="list-style-type: none"> <li>• Delivered lecture to HPS probationers at PTC, Daroh on 24.7.14.</li> <li>• Delivered lecture to trainees of Forest Training Institute, Chail on 27.9.14</li> <li>• Delivered lecture in Induction Course for Medical Officers at SH&amp;FWTC Shimla on 24.8.14.</li> <li>• Delivered lecture to HAS probationers at HIPA, Shimla on 30.12.14.</li> <li>• Session Chaired in the International Conference on Questioned Document Examination at Department of Forensic Science, Punjabi University Patiala on 10-12.1.15.</li> <li>• Delivered lecture to Faculty &amp; Research Students at Gujarat Forensic Science University, Ahmadabad on 22.1.15</li> <li>• Delivered lecture to the Prosecutors in the course on Orientation to Forensic Science at RFSL, NR, Dharmshala on 28-29.3.15.</li> </ul> |
| <p>Sh. Kapil Sharma<br/>Asstt. Director</p> | <ul style="list-style-type: none"> <li>• Delivered lecture on Examination of NDPS &amp; use of NDPS examination kit in training programme organized for Investigating Officers at Police Line Nahan Distt. Sirmour on 17.3.15</li> </ul>  |



Director, State FSL delivering lecture at Gujarat Forensic Science University, Gandhinagar



Director, State FSL chairing scientific session in Int. Conf. on Questioned Document at PU, Patiala

## 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.

| Sr. No | Institution   | Date                 | Division  | No. of Students |
|--------|---|----------------------|---|-----------------|
| 1      | Shoolini University, Solan  | 14-01-14 to 31-03-14 | DNA   | 02              |
| 2      | Amity University, Noida (UP)  | 19-05-14 to 18-06-14 | -do-  | 01              |
| 3      | -do-  | 23-05-14 to 21-06-14 | Chem./Toxi Division   | 01              |
| 4      | SRM University, Chennai.  | 26-05-14 to 18-06-14 | -do-  | 01              |
| 5      | Panjab University, Chandigarh.  | 02-06-14 to 01-07-14 | Bio./Sero. & DNA  | 02              |
| 6      | -do-  | 03-06-14 to 02-07-14 | -do-  | 01              |
| 7      | -do-  | 05-06-14 to 04-07-14 | Bio./Sero. & Chem./Toxi                                       | 01              |
| 8      | Maharaja Agrasen University, Solan                                      | 09-06-14 to 27-06-14 | Bio./Sero. & DNA  | 04              |
| 9      | -do-  | 09-06-14 to 08-07-14 | Bio./Sero. & DNA  | 04              |
| 10     | -do-  | 11-06-14 to 27-06-14 | Chem./Toxi Division   | 01              |
| 11     | School of Bioengineering & Food Technology, Shoolini University, Solan. | 04-08-14 to 01-11-14 | DNA   | 01              |
| 12     | Institute of Forensic Science, Mumbai                                   | 29.10.14 to 03.11.14 | Bio., Chem., Doc., Phy., DNA, NDPS.                           | 01              |
| 13     | Institute of Forensic Science, Mumbai                                   | 29.10.14 to 03.11.14 | -do-  | 01              |
| 14     | Department of Biochemistry, Knusi, Kumasi, Ghana, South Africa          | 31.12.14 to 08.01.15 | -do-  | 01              |
| 15     | Bundelkhand University, Jhansi (UP).                                    | 16.02.15 to 21.02.15 | Bio./Sero., Chem./Toxi., Doc./Photo, Phy./Ball., DNA, & NDPS. | 25              |
| 16     | Maharshi Dayanand University, Rohtak, H.R.                              | 21.04.15 to 25.04.15 | Bio./Sero., Chem./Toxi., DNA,                                 | 08              |



## VISITS TO STATE FSL HP

| Title   | Number     |
|---|------------|
| One day visit of Medical Officers from SH &FWTC Parimahal, Shimla on 23.08.2014                       | 23         |
| One day visit of students from Solan Homeopathic medical college and hospital on 23.09.2014           | 56         |
| One day visit of Forest range officers from FTI Chail on 27.09.2014                                   | 24         |
| One day visit of students from Auckland School, Shimla on 15.10.2014                                  | 31         |
| One day visit of students from Salwan Girls Sr. Sec. School, Rajinder Nagar, New Delhi on 07.11.2014  | 38         |
| One day visit of students from Salwan Girls Sr. Sec. School, Rajinder Nagar, New Delhi on 15.11.2014  | 40         |
| One day visit of students from Sr. Sec. School, Junga on 18.11.2014                                   | 32         |
| One day visit of students from Salwan Public School, old Rajinder Nagar, New Delhi on 19.11.2014      | 40         |
| Two days visit of M.Sc. students from Kurukshetra University, Kurukshetra (HR) on 24.11.14 & 25.11.14 | 27         |
| One day visit of students from Sr. Sec. School, Junga on 05.12.2014                                   | 36         |
| One day visit of Medical Officers from SH&FWTC Parimahal, Shimla on 08.01.2015                        | 21         |
| One day visit of students from Sr. Sec. School, Junga on 19.02.2015                                   | 04         |
| One day visit of IOs of Distt. Solan on 19.02.2015  | 17         |
| One day visit of HAS Officers from HIPA on 25.02.2015   | 30         |
| One day visit of students from Salwan Public School, Gurgaon on 23.03.2015.                           | 41         |
| One day visit of students from A.P. Goyal University, Shimla on 04.04.2015                            | 24         |
| <b>Total</b>  | <b>484</b> |

