



Annual Administrative Report



DIRECTORATE OF FORENSIC SCIENCE
Himachal Pradesh, Shimla Hills, Junga, India
2015-16

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‘ONE DISTRICT ONE POLICE STATION’ (A Pilot Project)



Hon'ble Chief Minister Himachal Pradesh, Raja Vir Bhadra Singh Ji, launching "One District One Police Station" (ODPS) at Regional Forensic Science Laboratory, Northern Range, Dharamshala on 3rd March, 2013 during winter sojourn

एक जिला एक पुलिस थाना मार्गदर्शी परियोजना का माननीय मुख्यमंत्री द्वारा 3.3.13 को शीतकालीन प्रवास के दौरान क्षेत्रीय न्यायालयिक विज्ञान प्रयोगशाला के परिसर में शुभारम्भ किया गया है जिसके अर्न्तगत प्रारम्भ में जिला पुलिस अधीक्षक द्वारा थाना धर्मशाला का चयन किया गया। परियोजना के अर्न्तगत क्षेत्रीय न्यायालयिक विज्ञान प्रयोगशाला, धर्मशाला द्वारा मामलों की परीक्षण रिपोर्ट 15 दिनों के भीतर जारी कर दी जाएगी। पुलिस निवेदन पर थाने से सम्बन्धित सभी घटनास्थल परीक्षण किए जायेंगे जिसकी रिपोर्ट 15 दिनों के अन्दर दी जाएगी। परिणामस्वरूप उचित सैम्पल, उचित परिरक्षण और सम्पूर्ण साक्ष्य प्राप्त होने पर विज्ञान प्रयोगशाला से मिलने वाले भौतिक साक्ष्यों के परिणाम भी अच्छे निकलेंगे।

इस योजना का एक वर्ष बाद मुल्यांकन किया जाएगा, तदोपरांत सही परिणाम आने पर उत्तरी रेंज के अन्य जिलों में भी लागू किया जाएगा। भविष्य में इस योजना को प्रदेश के अन्य रेज्यों में लागू करने की योजना है, जिसके लिए सम्बन्धित जिलों के पुलिस अधीक्षक अपने जिले के एक थाना का चयन करेंगे। इस योजना का उद्देश्य फौरेसिक जांच परीक्षण को गति देकर शीघ्र रिपोर्ट उपलब्ध करवाना है जिससे पुलिस जल्दी से न्यायालयों में चालान प्रस्तुत करेगी। समय पर न्यायालयों में चालान आने से न्यायालय में मुकदमा प्रक्रिया जल्दी शुरू होगी और लोगों को जल्दी न्याय मिलेगा। अधिक से अधिक वैज्ञानिक तरीके से अन्वेषण करने पर पुलिस कार्य प्रणाली में पारदर्शिता आयेगी और जनता का विश्वास बढ़ेगा। दोषी को सजा मिलेगी तथा निर्दोष को न्याय; इसके अतिरिक्त भावी अपराधियों पर अंकुश लगेगा। देश में यह पहली मार्गदर्शी परियोजना है।

MOTTO

विज्ञानेन सत्यान्वेषणम्

(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-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 have the potential to emerge as one of the significant contributors to the peace index as more forensic interventions in crime investigation not only help in protection of human rights, give credence to investigation based on scientific tenets, but also enhance conviction rate and high conviction rate is a deterrence to prospective criminals.

With this background, it is high time to map out the road-map for a systematic and comprehensive development of the forensic set-up in the state. And Himachal forensics is the first in the country to have sanctioned a Voice Identification division, likewise, the digital forensic division sanctioned would undertake analysis of live data in addition to existing facility of hard disk and cell phone forensics.

The foundation stone of the Forensics Headquarters-cum-Super Specialty block (estimated cost Rs. 11 core) was laid by the Hon'ble Chief Minister, H.P. on 16.12.2015 at Junga where he had a stay of nearly three hours. During the visit a request was put up to the Chief Minister for a forensic modernization scheme which was acceded to and he announced a grant of Rs. 50 lakhs for the purchase of major equipments to modernize and augment speedy analysis of evidences. Further, the department is committed to the welfare of the staff. In a short span of the existence of RFSL, NR, Dharamshala (2008), the foundation stone of a residential complex (estimated cost Rs. 3.3 crore) was also laid by the Hon'ble Chief Minister on 16.04.2015 at Dharamshala.

It is important to ensure good ICT (Information & Communication Technology) infrastructure necessary to keep pace with the latest know-how and to improve reach-out efficiency. Accordingly, additional telephone lines, HIMSWAN internet connectivity and EPBAX system were provided to State FSL and RFSLs.

Himachal Forensics has been included in the Business of the Govt. of Himachal Pradesh (Allocation) Rules, 1971. The detailed business of the department was enumerated, approved by the Govt. with the new nomenclature- Directorate of Forensic Science

The Bio Medical Waste (BMW) generated on completion of lab analysis is a huge challenge for any forensic set-up. One of the key initiatives undertaken by Himachal Forensics is the adoption of BMW management based on modern scientific pollution free method.

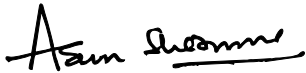
Given its proximity in several investigations of crime, the importance of forensics is growing in crime investigation with each passing day and the Govt. has sanctioned posts of District Mobile Forensic Unit at Bilaspur so that clues are properly identified, collected and preserved for better results from the lab.

On completion of analysis, the forensic experts often have to defend findings and results in court of law by way of deposing expert evidence. At State FSL, the necessary infrastructure was created for expert testimony through VC (Video Conferencing) which saved man hours spent in transit and expenditure on TA/DA. The time thus saved could be utilized for analysis of cases in the lab besides putting Himachal Forensics ahead of leading forensic labs in the country.

Disaster Victim Identification (DVI) cells, first of its kind in the country, in accordance with INTERPOL guidelines, were made operational proactively, approved by the Govt. for State FSL and two RFSLs and funds to the tune of Rs 50.50 Lack were sanctioned.

A handy booklet titled "Do's & Don'ts" for investigating officers was prepared based on the experience of experts. In a simple, lucid and deft manner, the booklet deals with many aspects of evidence sampling at the scene of crime.

Indeed, the remainder of the 1st Five Year Perspective Plan of the department is important for the Himachal Forensics future because it will determine to an extent the Himachal Forensics trajectory.

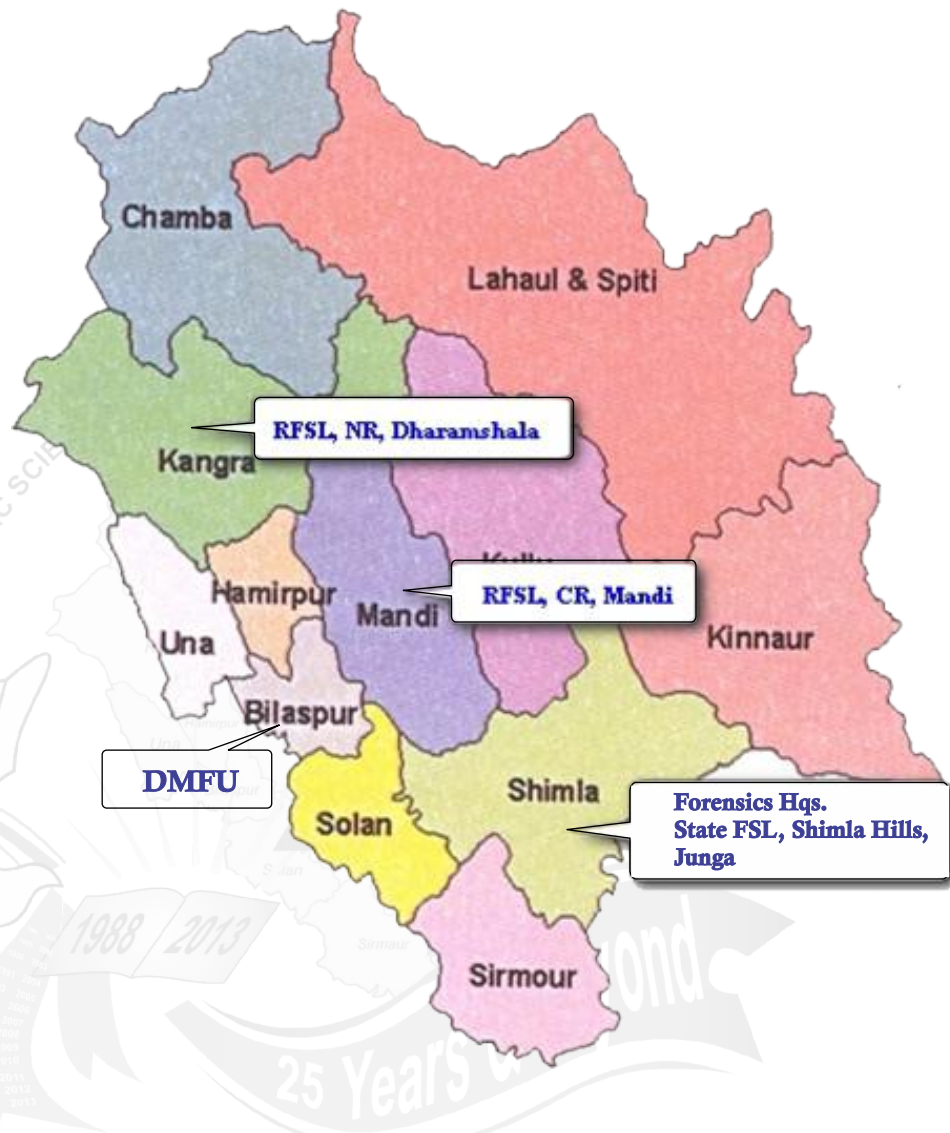

(Arun Sharma)
Director Forensic Science

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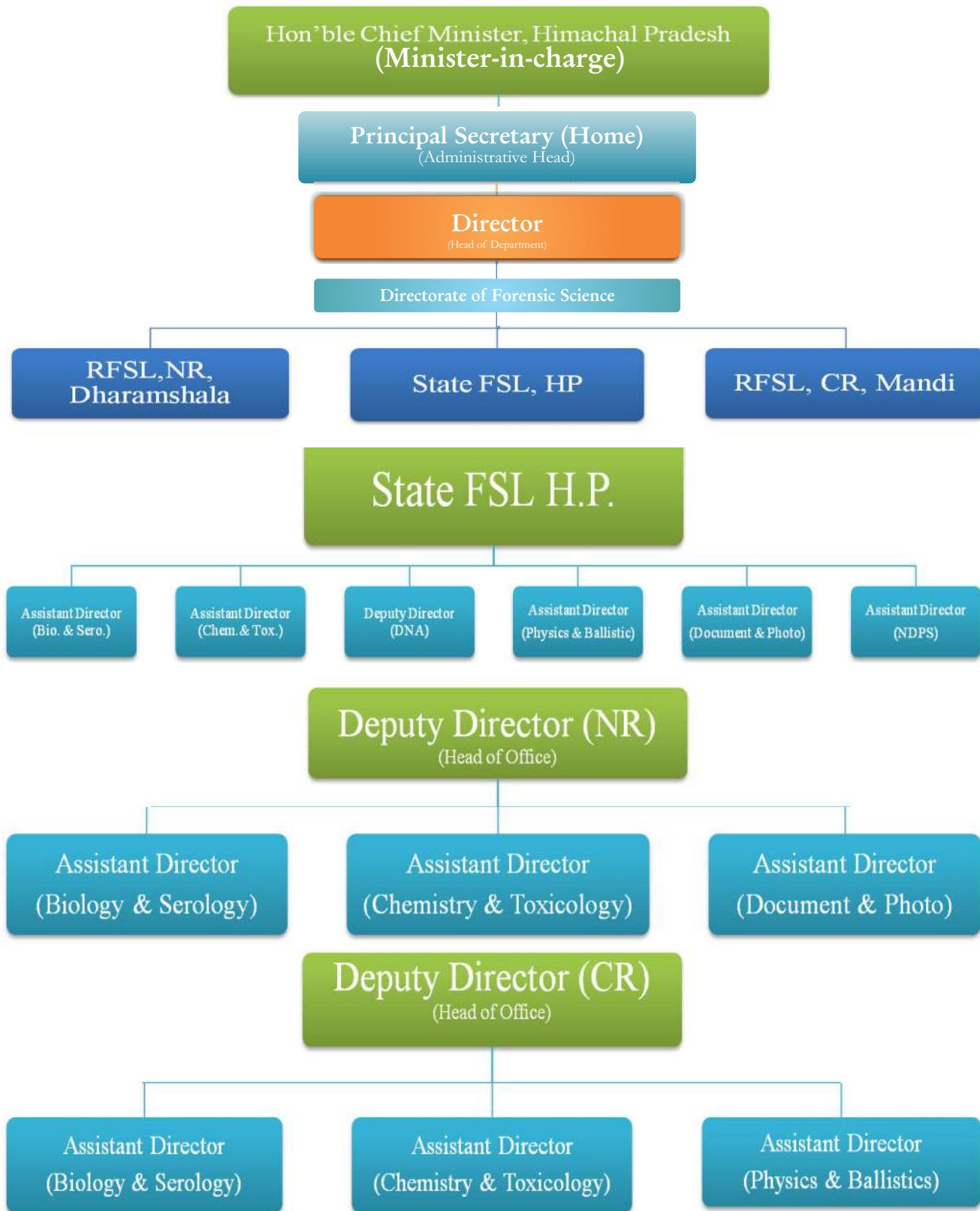
INTRODUCTION

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, the State FSL was placed directly under Home & Vigilance department in the year 2005. To give a fillip to the investigation, two Regional FSLs were created at Dharamshala & Mandi in 2006. The range labs have been housed in their new complexes constructed by incurring expenditure of more than 2.25 crore 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. New specialities like Voice identification and Digital Forensics were sanctioned for State FSL, DNA facilities at RFSLs and first District Mobile Forensic Unit (DMFU) for Bilaspur in 2015. The new nomenclature Directorate of Forensic Science (DFS) has been approved by the Govt. in accordance with the HP Police Act, 2007. Also, the State FSL and RFSLs are the 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, Sh. I B Negi, IPS, DGP (Retd)
Dr. B R Sharma, the founder Director and Dr. Arun Sharma, Director, DFS at Forensic Headquarters**

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

First time Five Years Perspective Plan 2014-2019 was approved in 8th meeting of HP Forensic Science Development Board held on 22.07.14. The major targets of the 1st year (2014-2015) of the approved perspective plan were achieved and have even exceeded the planned targets e.g. first time the department was included in business of the Govt. of Himachal Pradesh (Allocation) Rule 1971 and the Chief Minister Forensic Modernization scheme for purchase of major equipments was approved.

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 DVI workstation

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 Hon'ble Chief Minister, HP laid down foundation stone of Forensics Headquarters complex - cum-Super-Speciality block with an estimated cost of Rs.11 crores and inaugurated Disaster Victim Identification (DVI) cell and Video Conferencing facility for expert testimony at State FSL on 16.12.2015. There will be multi-storey complex with lift facility and car parking and will house new specialities, conference hall etc. The govt had also approved and sanctioned budget to set-up the Disaster Victim Identification (DVI) cells at Regional FSLs after rendering service proactively in collaboration with AP, FSL, Hyderabad in the holiday horror tragedy at Larji Dam in Beas River.

WORKING

There are six scientific Divisions:

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



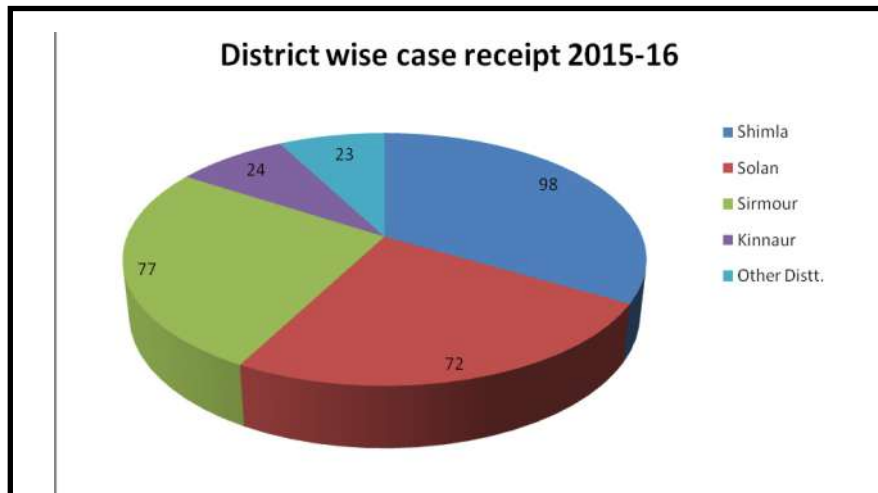
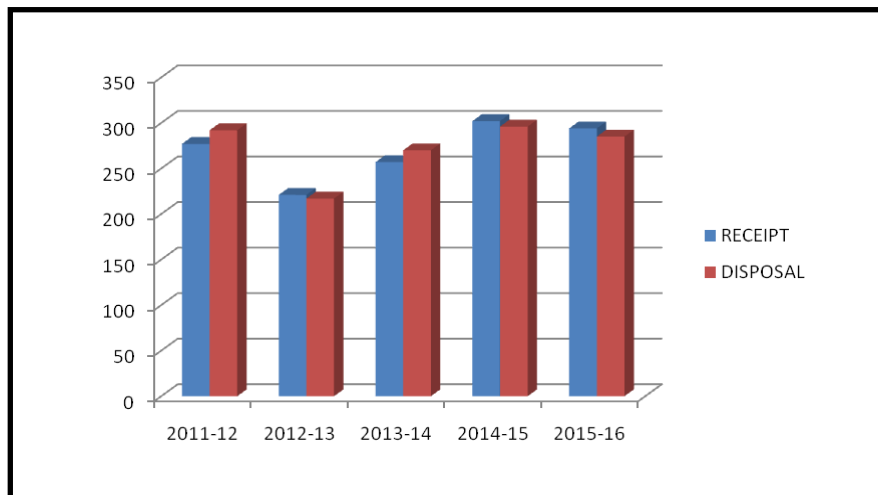
Sh. Virbhadra Singh, Hon'ble Chief Minister inaugurating Video Conferencing facility at FHQ

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)
- Diatom from bones

CASE STATISTICS

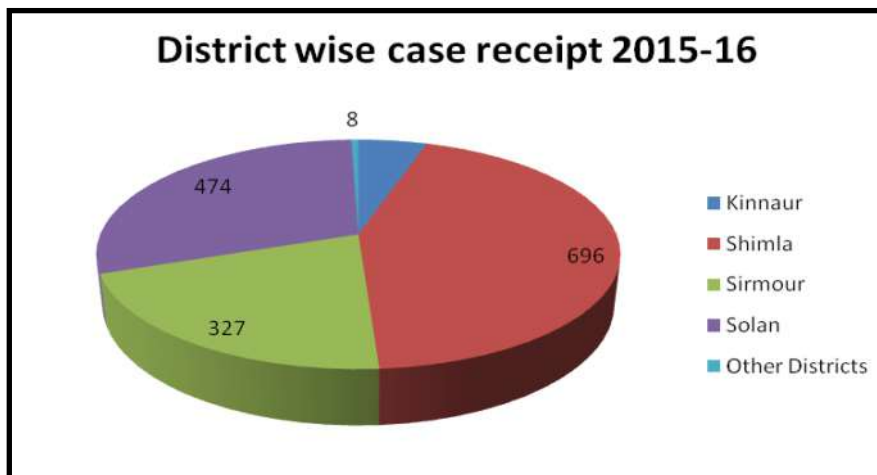
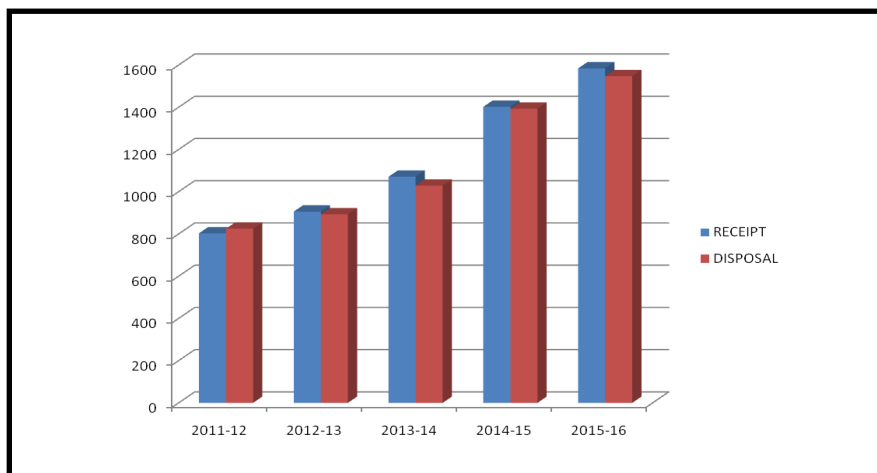


CHEMISTRY & TOXICOLOGY DIVISION

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 more. 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. The division undertakes examination of clue materials such as:

- Chemical identification of unknown substance
- Poisons of various types
- Petroleum products residues in arson & dowry deaths and in adulteration cases
- Determination of drunkenness from blood and urine
- Acids & alkalis in personal injury cases
- Grease, wax, natural oil & resin
- Trap case - samples in bribery cases
- Hooch tragedy cases
- Cosmetic & organic dyes
- Liquor cases

CASE STATISTICS

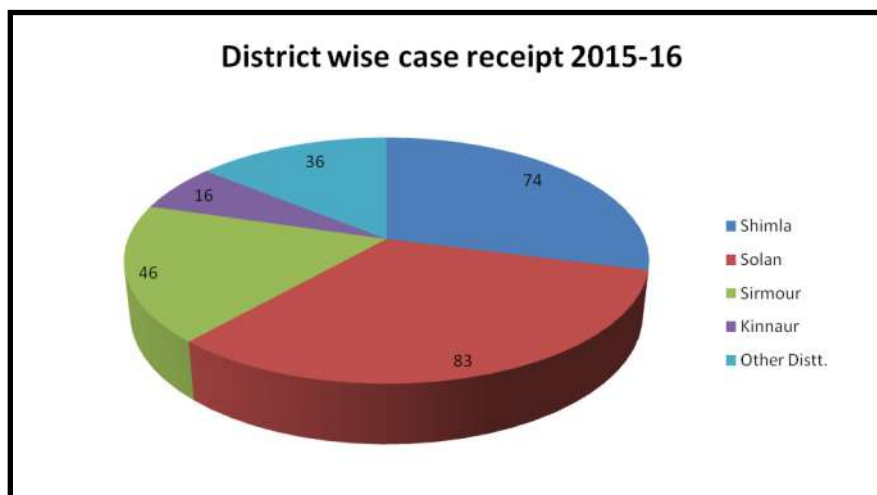
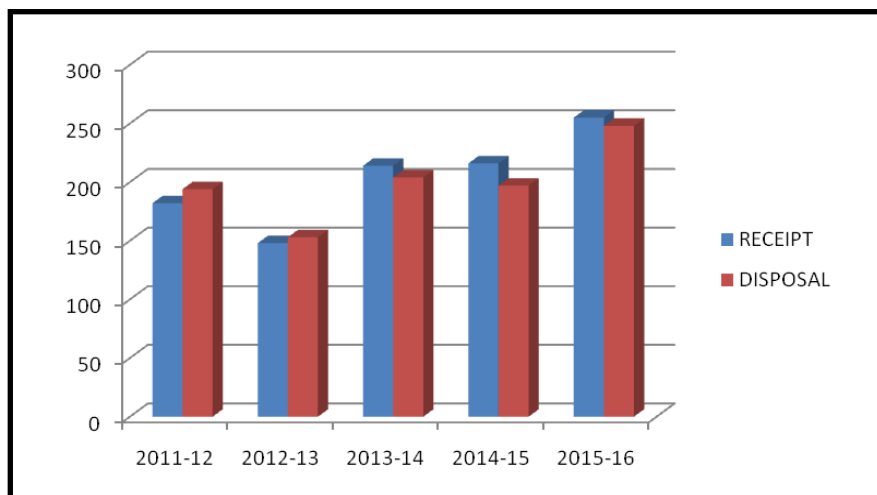


PHYSICS & BALLISTICS DIVISION

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



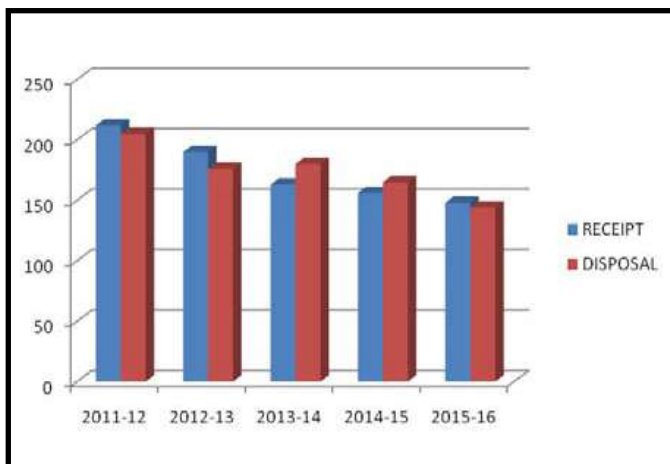
DOCUMENT & PHOTOGRAPHY DIVISION

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, mobile phones etc. commenced. The division undertakes examination of:

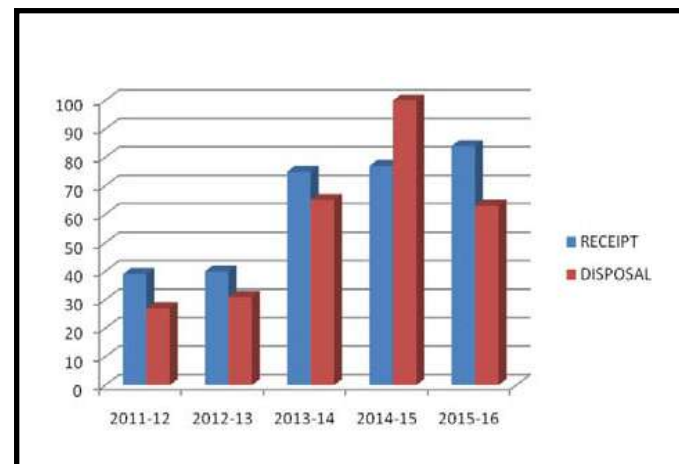
- Handwritings, signatures, type writings, computer print outs & printed materials
- Additions, Alteration, obliteration, substitutions, erasures
- Stamps & seals, counterfeit currency
- Security documents, currency, passports, credit & debit cards
- Burnt & soiled documents, paper and ink analysis
- Scene of crime photography
- Inter and intra division photography

CASE STATISTICS

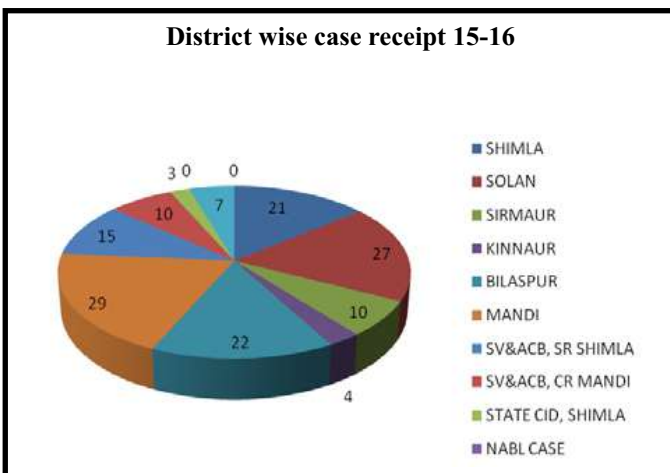
Documents cases



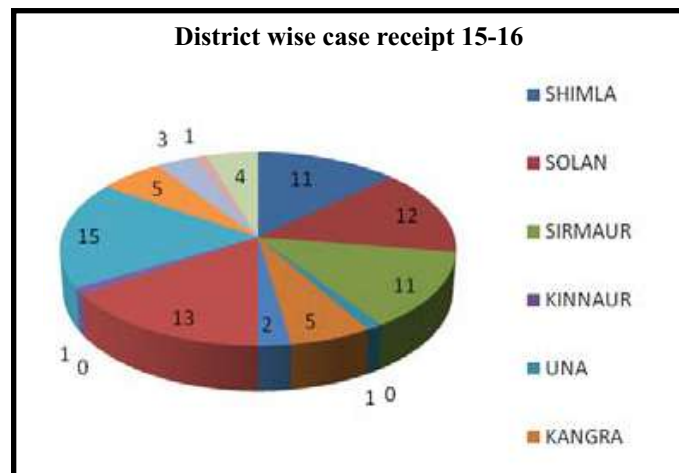
Cyber Cases



District wise case receipt 15-16



District wise case receipt 15-16

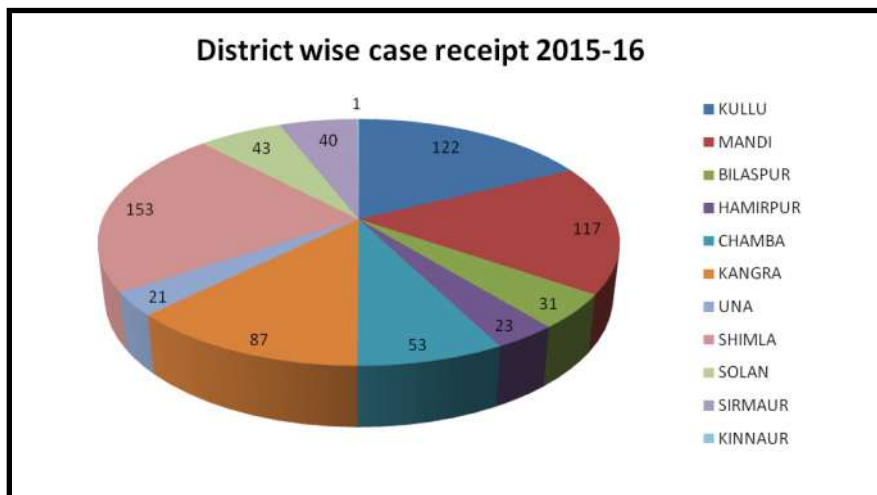
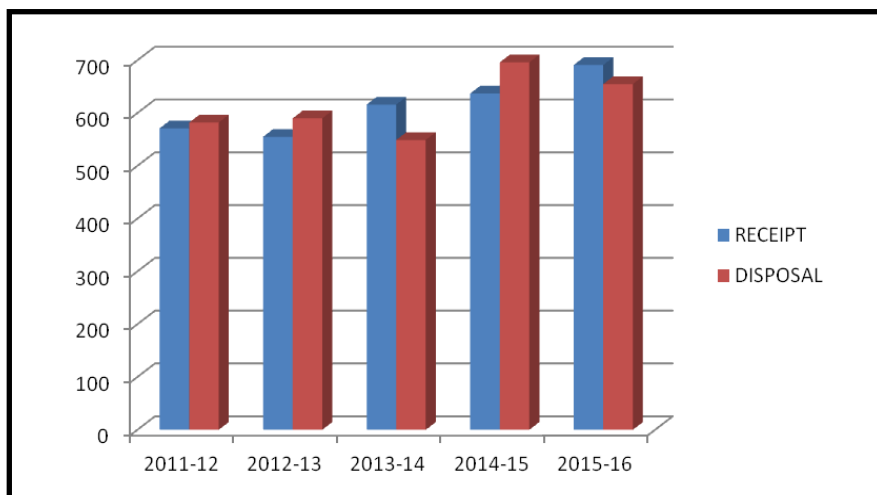


NDPS DIVISION

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 dedicated NDPS division, first of its kind in northern India, in the year 2006. This division noted an increase in the amount of high potency drugs such as LSD, amphetamine (MDA) & methamphetamine (MDMA) submitted during the period. The division undertakes examination of the followings:

- Opium, poppy straw, heroin/smack/brown sugar
- Charas, ganja, bhang & hashish oil
- Cocaine
- LSD, amphetamine & methamphetamine
- Benzodiazepines & pharmaceutical preparations containing NDPS drugs
- Manufactured & Designer drugs

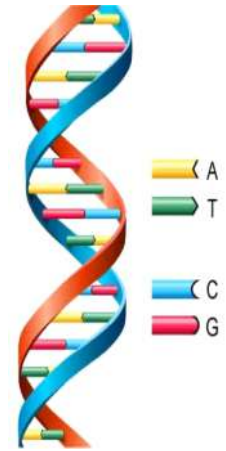
CASE STATISTICS



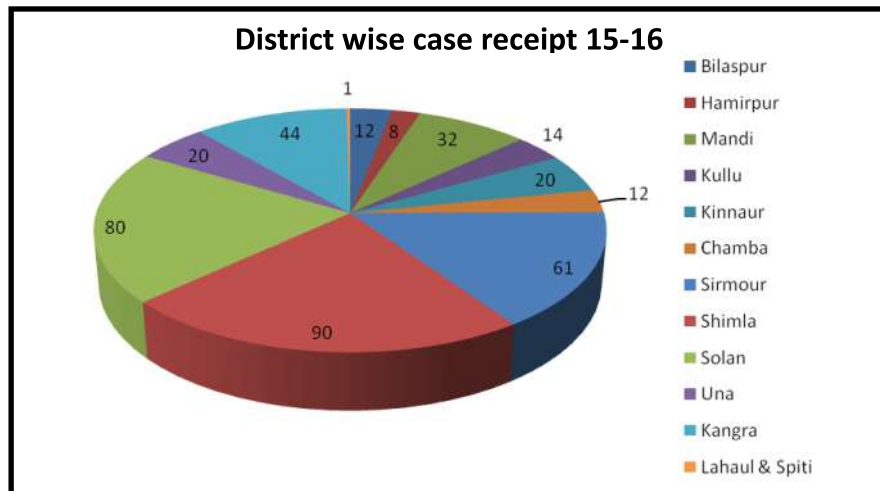
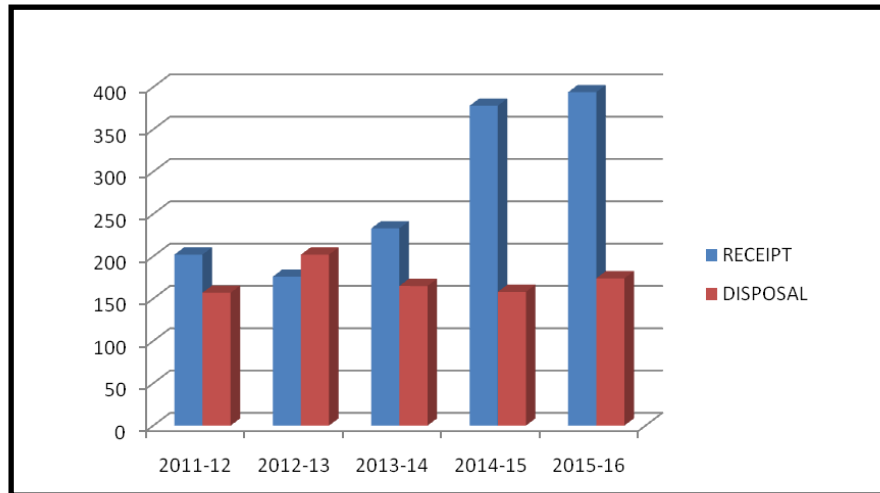
DNA DIVISION

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 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, homicide, sexual assaults, burglary & in identity problems. The division undertakes DNA profiling of biological clues such as:

- Human body fluids (blood, semen, saliva, urine etc.)
- Human body tissues (hair, skin, flesh & bone)
- Nail bed materials
- Teeth
- Vomit
- Foetal remains & retained product of conception
- Cigarette butts



CASE STATISTICS



TEACHING & TRAINING

Name & Designation	No. of lectures / demonstrations
Dr. Arun Sharma, Director	55
Dr. G. C Thakur, Assistant Director	11
Dr. V.S. Jamwal, Assistant Director	11
Sh. Visheshwar Sharma, Assistant Director	15
Dr. Vivek Sahajpal, Assistant Director	20
Sh. Kapil Sharma, Assistant Director	16
Dr. Sanjeev Kumar, Assistant Director	04
Sh. Nasib Singh, Scientific Officer	14
Dr. Jagjeet Singh, Scientific Officer	23
Dr. Neelam Kaushik, Scientific Officer	07
Sh. Rajesh Jamwal, Scientific Officer	05
Sh. H.K. Bhardwaj, Scientific Assistant	03
Sh. Jaswant Singh, Scientific Assistant	13
Sh. Madan Gopal, Laboratory Assistant	03
Sh. Satya Prakash, Laboratory Assistant	04
Sh. Sunil Kumar, Laboratory 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. Arun Sharma	<ul style="list-style-type: none"> • Training on Science Administration and Research Management at Administration Staff College of India, Hyderabad on 01-12.02.16.
Dr. G.C. Thakur	<ul style="list-style-type: none"> • Course on IT for effective office management at HIPA, Shimla on 10-11.08.15.
Dr. V.S. Jamwal	<ul style="list-style-type: none"> • Sevottam Complaint Citizen Charter at HIPA, Shimla on 17-19.08.15.
Sh. Kapil Sharma	<ul style="list-style-type: none"> • Sevottam Complaint Citizen Charter at HIPA, Shimla on 17-19.08.15.
Dr. Sanjeev Kumar	<ul style="list-style-type: none"> • Training on Physics & Ballistics at FSL Madhuban, Karnal on 06-10.04.15. • Course on Expert Testimony in Criminal justice delivery system at NICFS, Delhi on 06-10.07.15. • Training on Physics & Ballistics at SFSL, Mumbai on 13-17.07.15.

	<ul style="list-style-type: none"> • Course on Explosive & Explosion Investigation at NICFS Delhi on 22-24.07.15.
Sh. Nasib Singh Patial	<ul style="list-style-type: none"> • Training on Audio & Video Analysis at Telangana SFSL Hyderabad on 17-28.08.15. • Training on Importance of Ethics & Value at HIPA Shimla on 26-28.11.15.
Sh Rajesh Kumar	<ul style="list-style-type: none"> • Training on Collection, Preservation, Forwarding, analysis of Viscera and body fluids at NICFS, Delhi on 15.05.15

CONFERENCE/SEMINAR/WORKSHOP/SYMPOSIUM ATTENDED

Name	Remarks
Dr. Arun Sharma	<ul style="list-style-type: none"> • Seminar on Impact of Forensic Report on Judicial Decisions in a Criminal Trial at NICFS Delhi on 26-27.10.15. • National Conference on Drug Menace in India: overview challenges and solutions at Manali on 11-13.06.15 • Workshop on E-Governance under Mission Mode Project at HIPA, Shimla on 16.05.15.
Dr. GC Thakur, Dr Sanjeev Kumar	<ul style="list-style-type: none"> • Workshop on E-Governance under Mission Mode Project at HIPA, Shimla on 16.05.15
Sh. Visheshwar Sharma and Dr. Jagjeet Singh	<ul style="list-style-type: none"> • One day Workshop on Audio, Video & Image processing using open source tools at RFSL, CR, Mandi on 25.04. 15.

WORKSHOP/SEMINAR ORGANISED

Workshop on assessment of quality system, document and technical capabilities for NABL Accreditation was organized for the officers of state FSL at Forensic Headquarters on 18-20.03.16.



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. 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"> • Two days training programme for Officers of Prosecution department posted in Southern Range on 3-4.05.15. 	10
<ul style="list-style-type: none"> • Three days induction training programme for Newly Appointed Civil Judge (Jr. Division) on 31.08 to 02.09.15 	15
<ul style="list-style-type: none"> • Two week training in Forensic Science for Investigating Officers of Southern Range on 15- 27.02.16 	19
<ul style="list-style-type: none"> • Training on Forensic Science for HPS, Probationers on 18-24.10.15 	05
<ul style="list-style-type: none"> • Training on Forensic Science for HPS, Probationers on 23-30.11.15 	01
<ul style="list-style-type: none"> • Training on Forensic Science for HPS, Probationers on 18-24.03.16 	01
Total	51



Trainee Judicial officers with the faculty



Trainee Officers in a class room

SESSION CHAIRED/RADIO TALK/TV TALK/ INVITED TALK

Name & Designation	Activity
Dr. Arun Sharma Director	<ul style="list-style-type: none"> • Chaired Technical session in International Conference on Emerging Trends in Basic and Applied Sciences at MAU, Baddi on 2.5.15. • Delivered a talk to the basic course trainees (SI to DSP) of NEPA (MHA/GOI), Shillong, Meghalaya on 27-28.5.15. • Delivered talk to the students and the faculty of School of basic and applied sciences, MAU, Baddi. • Delivered a talk in one day Workshop on Disaster Victim Identification (DVI) to Medical Officers on 12.05.15
Dr. Vivek Sehjpal	<ul style="list-style-type: none"> • Delivered talk in one day Workshop on Disaster Victim Identification (DVI) to Medical Officers on 12.05.15
Sh. Kapil Sharma	<ul style="list-style-type: none"> • Delivered a talk in the one day seminar on Narcotic Drugs and Psychotropic substances to Judicial, Police, Prosecution and Forensic Experts on 26.03.16. • Delivered a talk on Forensic Aspects of NDPS Act in a workshop on NDPS organized for ETIs & AETOs of Excise & taxation Department at Excise & taxation Headquarters Shimla on 30.07.15



Training on DVI for Medical officers at RFSL, NR, Dharamshala

INTERNSHIP

Analysis of clues in the forensic lab has 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	Institute/University	Date	No. of Students
1	NIILM University, Kaithal, Haryana	08.04-06.05.15	01
2	Maharshi Dayanand University, Rohtak, Haryana.	21-25.04.15	08
3	Institute of Forensic Science, Gujarat	16-29.05.15	06
4	Institute of Forensic Science, Mumbai	21.05-20.06.15	01
5	Amity University, Noida	25.05-20.06.15	02
6	Teerthanker Mahaveer, University, Moradabad.	01.06-15.07.15	06
7	Panjab University, Chandigarh	01-06-04.07.15	08
8	Maharshi Dayanand University, Rohtak, Haryana.	03.06-03.07.15	03
9	Jaypee University, Wagnaghat, Solan.	08.06-07.07.15	01
10	Shoolini University, Solan	16.06-20.08.15	04
11	Amity University, Haryana.	29.06-21.07.15	01
12	Shoolini University, Solan	02.07-15.09.15	02
13	Amity University, Haryana.	15 -16.03.16	20



Law students at FHQ with the faculty

VISITS TO STATE FSL HP

Title	Number
One day visit of Law Students from A.P. Goyal, Shimla on 04.04.15.	42
One day visit of trainees (CDPOs), HIPA Shimla. on 01.08.15.	10
One day visit of HAS Officer from HIPA Shimla on 22.08.15	06
One day visit of Students from Govt. Degree College, Arki on 08.09.15	11
One day visit of Students from Homeopathic Medical College, Solan on 16.10.15	33
One day visit of Law Students from H.P. University, Shimla on 17.10.15	60
One day visit of Students from GSSS, Junga on 04.11.15	46
One day visit of Medical Officers from Parimahal, Shimla on 03.12.15	13
One day visit of IPS Officers from AP&T Shimla on 07.01.16	02
One day visit of Students from Shivalik Institute of Nursing, Shimla on 27.02.16	58



Students (10+2) of science stream at FHQ

DIGNITARY

Visitor(s)	Date
Sh. Virbhadra Singh, Hon'ble Chief Minister, Himachal Pradesh	16.12.15
Sh. Anirudh Sen, MLA, Kasumpti, Distt. Shimla	16.12.15
Sh. I.B. Negi, IPS, First DGP (Retd.), Himachal Pradesh	16.12.15
Sh. B.R. Sharma, Founder Director, State FSL, Himachal Pradesh	16.12.15
Sh. Dinesh Malhotra, IAS, Deputy Commissioner, Shimla	16.12.15



**Sh. Virbhadra Singh, Hon'ble Chief Minister, Himachal Pradesh
releasing Do's and Don'ts booklet for Investigating officers**

RFSL, NR, DHARAMSHALA

Dharamshala became headquarters 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 serving 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 setting up of the 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. The RFSL 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 of 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 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, 16. 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 Utrakhand FSL received training on the instrument at RFSL, NR, Dharamshala. On 16.04.15 Hon'ble Chief Minister Himachal Pradesh has laid foundation stone of residential complex for the staff of Regional Forensic Science Laboratory, NR, Dharamshala and thus will become first RFSL in the country to have its own residential complex for the officers and officials.

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 is 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
- Diatom from bone
- Vomit and faecal matter
- Charred bones, tissues and skin
- Bone (animal and human)
- Hair (animal & human), fibre, feather
- Wildlife cases (flora and fauna)
- Wood and plant products
- Maggots

CASE STATISTICS

