



**State Forensic Science  
Laboratory, Himachal Pradesh,  
Junga -171218**

**Annual Administrative Report  
2011-2012**

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## FOREWORD

In a society that believes in the Rule of Law, it is a cardinal principle that no man is presumed guilty till proved otherwise, and also that no one can be forced to incriminate himself. Investigation and detection of crime in such circumstances is necessarily a complex task. The Investigating Officer has to collect sufficient proof capable of withstanding scrutiny in a Court of Law. Not only that, he has to do so in a manner that is acceptable to the Courts and to Society. Today, when human rights are being more and more elaborately defined, the Investigating Officer's task is no easy one. Little wonder that traditional investigating techniques are resulting in progressively higher acquittal rates.

In this context, the introduction of scientific methods of investigation assumes crucial importance as the only practical solution in the prevailing circumstances. The evidence collected, analyzed and interpreted using Forensic techniques has the advantage of being more acceptable to Courts, being in the nature of independent expert testimony. Forensic evidence has the unparalleled advantage that it can be presented even in case no eyewitness is available or where the witness is liable to be influenced or is otherwise unreliable. Forensic techniques are generally also acceptable from the human rights perspective, being relatively non-invasive in comparison with earlier methods. Of course, it is essential that forensic methods and expert resources have the requisite credibility, and this is possible only by the recruitment of properly qualified personnel and access to modern laboratory equipment and chemicals. In the long run however, there is no doubt that the detection and conviction rates go up substantially through the systematic use of forensics, and to that extent a comparatively small investment in forensic facilities is clearly highly cost-effective to get better value from the huge investment in crime detection machinery, not to mention the investment in the system of administration of justice itself.

In this light the State Government has taken steps to activate and energize the State Forensic setup. The Annual Report gives an overview of the activities during 2011-2012. It is expected that there will be a substantial step up during the coming years as a result of the creation of the State Forensic Science Board which oversees the planning and implementation of a time bound programme for induction of forensics into investigation of crime in the State.

During the financial year 2011-2012 the State Forensic Science Laboratory, Himachal Pradesh has extensively undertaken training programmes for the police, prosecution and judiciary in forensic science, which has improved the process of criminal justice delivery system in the state of Himachal Pradesh.

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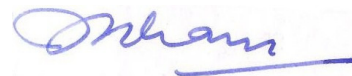
(P.C. Dhiman, IAS)  
Principal Secretary (Home) & Vigilance  
to the Government of Himachal Pradesh,

## PREFACE

There have been tremendous scientific developments in the 20<sup>th</sup> century and hence it has been called to be the age of science. Science has provided tools of committing crime by scientific and complex methods to the potential criminals on one hand in the world, on the other hand, it has provided the forensic scientist the methodology and technology to combat the menace of crime. A Forensic Scientist in this race has to be ahead of the criminals in scientific knowledge and technology to deal with the crimes committed by scientific methods by the contemporary criminals.

Since, the establishment of State Forensic Science Laboratory, Himachal Pradesh in 1988 we have been continuously introducing modern scientific technology in the State Forensic Science Laboratory, Himachal Pradesh. The year 2011-2012 has not been any exception. We have undertaken teaching and training programmes for the police and public to provide forensic knowledge for the scientific investigation of crime to the police and for protecting the scenes of crime by the public. For the better presentation and evaluation of Forensic Evidence, we have imparted forensic trainings to the prosecutors and judges. For better investigations police officers have also been trained for the purpose.

In spite of constraints of manpower, efforts have been made to send the reports from the State Forensic Science Laboratory at the earliest possible opportunity. We are committed to get provided un-delayed justice to the common man in the State through the aids of science. We are also committed for introducing latest scientific techniques in the investigation of crime and for the administration of justice in the State of Himachal Pradesh by modernizing our State Forensic Science Laboratory in respect of human resources development and latest scientific technology. During the year our two partially functional Regional Forensic Science Laboratories one each at Mandi and Dharmshala have been made fully functional so as to provide quick forensic service at the scenes of crime and in close proximity of the Hon'ble Courts and the police stations in the state. We aspire for help and co-operation from all concerned in our future endeavours.



Dr. J.R. Gaur  
Director

State Forensic Science Laboratory,  
Himachal Pradesh, Junga – 171218.

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## **I. The particulars of the State Forensic Science Laboratory, Himachal Pradesh, Junga – 171218, functions and duties:**

### **INTRODUCTION**

Himachal Pradesh got full statehood on 25<sup>th</sup> January 1971 and since then the State has progressed by leaps and bounds. Efforts were on to have its own State Forensic Science Laboratory which came to fruition in 1988 so as to become self reliant in the application of science in the investigation of crime and the administration of justice besides keeping pace with the modernized criminals and to meet their challenges in the times ahead. Thus, State Forensic Science Laboratory, Himachal Pradesh was established in 1988 at Shimla with basic infrastructure of Biology, Serology, Chemistry and Toxicology Divisions. With the increasing requirement of investigation agencies, two more Divisions comprising four specialties viz. Documents, Photography, Physics and Ballistics were added by the State Govt. in 1997, which became functional in the subsequent years. The State FSL was shifted in December 2004 and at present functioning from Junga. In 2006, the HP Govt created two more specialties in the State FSL viz. DNA Profiling Division and NDPS Division and two Regional Forensic Science Laboratories one each at Dharamshala and Mandi.

### **LOCATION**

Junga is situated at a distance of 26 KM from Shimla, 22 KM from Kandaghat and 18 KM from Chail. It is a hilly place having a forest cover of Kail, Deodar, Cheel, Oak and other trees. Temperature ranges between 4<sup>0</sup> C in winter to 35<sup>0</sup> C in summer months at Junga.

### **INFRASTRUCTURE**

The buildings of State Forensic Science Laboratory, Himachal Pradesh, at Junga have covered area of about 33000 square feet. The work is in progress for planned expansion of additional divisions /specialities in the State FSL.

There are six scientific Divisions:

- i.) Biology & Serology Division.
- ii.) Chemistry & Toxicology Division.
- iii.) Physics & Ballistics Division.
- iv.) Documents and Photography Division.
- v.) Narcotics Drugs & Psychotropic Substances Division
- vi.) DNA Profiling Division

Biology & Serology; Chemistry & Toxicology Divisions are fully functional since 1990. In Physics and Ballistics Division, examination of some physics cases has started in 1999, however, for Ballistics work examination of cases started during the year-2002 and the division is fully functional. As regards Documents and Photography Division, the division is fully functional since October 2000. The analysis of narcotics drugs and psychotropic substances started in November 2006. Also in changing crime scenario measures are being taken to address new challenges of modernized crimes timely and objectively by adopting innovations of science and technology in the Forensic Sciences.

The State Forensic Science Department has 122 sanctioned posts of scientific and supporting staff for State Forensic Science Laboratory and Regional laboratories.

Filling up of vacant staff positions is actively under process and the vacant positions are required to be filled up immediately so as to keep pace with the ever-increasing workload.

The police staff is temporarily doing the reception and administrative work regarding crime cases in the SFSL at present.

As the State Government has also created two Regional Forensic Science Laboratories one each at Dharmshala and Mandi in the year 2006, these have been setup in rented buildings at both the places during the financial year 2008-09. The laboratories have become fully functional.

## **WORKING**

- Lab analysis of crime exhibits
- Scene of occurrence examination
- Expert evidence in the courts
- Teaching, training & Awareness programmes
- Research and development activities
- Forensic intelligence – leads in the investigation of crime

The scientists of the SFSL are examining the exhibits sent by the investigating agencies in different crime cases and submitting their reports. The knowledge of forensic expertise has not been confined to the four walls of the lab rather found its utility and use in unravelling mysteries of crime in a number of cases by visiting and examining the scene of crimes all over the state of HP. At times, it helped in preventing miscarriage of justice and saving lives of innocent persons. Cases examined include – Burglary, homicide, suicide, road accident, railway accident, and fire in the buildings, vehicles i.e. arson cases, aerosol explosions, air crash cases. The reports of lab analysis of crime exhibits and scene of occurrence examination have been defended by deposing expert evidence in the courts as and when required / summoned. Noble deeds done in this arena earned appreciation from the courts as well.

Forensic scientists, during the previous years, have been disseminating forensic knowledge to the Gazetted Officers of Police, Prosecution, Judiciary and Medical Officers as well. Students from Government College Baijnath, Ayurvedic College Paprola and Punjab University Chandigarh visited the laboratory and were imparted forensic knowledge. Students of M.Sc.(Forensic Science)/B.Tech/Biotechnology were attached for internship from different institutions/universities of the country with the State Forensic Science Laboratory during the year 2011-2012.

Services of the scientists of the laboratory have also been utilized for teaching and training, Punjabi University Patiala, P.U. Chandigarh, Delhi University, National Institute of Criminology and Forensic Science, New Delhi, Govt. Ayurvedic College Paprola, H.P and Haryana Police.

Director, State Forensic Science Laboratory, Himachal Pradesh has delivered lectures to the visiting students from the universities and also arranged visits of other dignitaries. He also evaluated research papers for a few National and International journals and also acted as an examiner of Postgraduate classes and PhD. in Forensic Sciences of a few universities of the country. He coordinated with other forensic institutions in the country viz. SFSLs, CFSLS, Directorate of Forensic Science, Ministry of Home Affairs, Government of India, NICFS

and universities for promoting the facilities of forensic science in the State and country. During the year under consideration, Director, State FSL H.P. also carried out inspection of State FSL H.P. Junga and its Regional Forensic Science Laboratories at Dharamshala and Mandi, forwarded scientific reports, attended scenes of crime, delivered lectures and invited talks at various universities, training institutions of police, judiciary and prosecution.

Sometimes, techniques of routine analysis do not help in solving forensic problems and then R&D is resorted to dig out the truth. Also, in an endeavor to have database, the R&D is undertaken. In addition, the reports of lab analysis and scene of occurrence examination deliver essential scientific inputs to give leads in the investigation of crime thereby saving man hours besides putting an investigation on the right track.

## **WORKING OF BIOLOGY AND SEROLOGY DIVISION**

Examinations of the following types of evidentiary clues in different crime cases for identification and comparison:

- Blood, semen and saliva.
- Vomit, faecal matter.
- Tissues and skin in partially burnt bodies and in dowry deaths.
- Bone (Animal and Human) Age, sex and stature in respect of human bones.
- Superimposition for establishing identity from a skull and a lifetime photograph.
- Hair (animal & human)
- Feathers
- Maggots.
- Wood and Plant Products

Species of origin & ABO blood grouping tests are carried out more often than not in crime cases. However the laboratory has also got the expertise in rare blood groups and enzyme typing.

## **WORKING OF CHEMISTRY AND TOXICOLOGY DIVISION**

The division is examining the clue materials pertaining to different crime cases in respect of:

- Chemical Identification of substances.
- Poisons of various types.
- Petroleum products residues in arson cases and dowry deaths.
- Determination of drunkenness from blood and urine.
- Acids and alkalis in personal injury cases.
- Grease, Wax, natural oils and resins.
- Trap case samples in bribery cases.
- Hooch tragedy cases.
- Cosmetics and organic dyes.

Use of insecticides and pesticides by farmers in the horticulture and on other crops is enormous in HP. That makes these poisons' easy accessibility to the common man and deaths occur by the use of these poisons. Consequently there is a heavy work load of

toxicology cases in the State due to poisoning, and due to viscera being received for analysis in cases of accidental deaths. Its graph is on the increase with every passing year.

## **WORKING OF PHYSICS & BALLISTICS DIVISION**

The division started receiving crime cases for examination in 1999. During the year, maximum number of cases pertained to Ballistics, cables/wires and fire related cases. The trend continued this year too. In Himachal Pradesh single barrel breach loading (SBBL) and single barrel muzzle loading (SBML) guns are in common use and as such maximum cases are received involving an examination of these types of firearms. In cases of fire in buildings, vehicles, an examination of electric wires is undertaken to ascertain possible cause either by short-circuiting or other wise to answer the queries of the investigation agencies. In addition, cables, soil, paint, glass, cut marks, tool-marks and foot/shoe-prints are examined for comparison. Also the examination of building materials is undertaken to ascertain the composition and ratio of ingredients used in the construction material. The laboratory of Physics & Ballistics has the facility of comparison of bullets and cartridges by comparison microscope and elemental analysis of precious metals by XRF.

This Division carried out following examinations during the year:

- Soil examination and comparison.
- Footprints, shoe prints & tyre marks
- Gun shot residues.
- Comparison of Wires.
- Paints and Glass.
- Tool marks.
- Firearms examination.
- Cartridge and bullets comparisons and firearm identification.
- Building Materials.

## **WORKING OF DOCUMENTS & PHOTOGRAPHY DIVISION**

Document and Photography division started functioning from October 2000. Cases pertaining to analysis of handwriting, typewriting and computer typing, printed documents, alteration and addition, exercises especially mechanically erased documents, obliterated documents, indented documents, frauds, forgeries, fake currency and burnt documents were examined in the division. The division also carried out the work of examination of stamps and seals on the paper and wood -logs. The photography work was done inside the laboratory for the crime case exhibits and at the scenes of crime at different places. Efforts have been made in ink examination to establish nature of ink used in the writings. Following works were carried out by this division during the year:-

- Photography at scenes of crime.
- Indoor photography of exhibits.
- Photographic comparison.
- Photographic comparison for identification by superimposition.
- Examination of exhibits in respect of handwriting typewritten scripts, computer typed scripts, printing forgeries & frauds, security documents and completely soiled and burnt documents.
- Examination of stamps/seals.
- Examination of paper.
- Examination of exhibits pertaining to Cyber Forensics.

## **WORKING OF NARCOTICS & PSYCHOTROPIC DRUG SUBSTANCES DIVISION**

The division started functioning in November 2006 and perhaps first of its kind in the northern part of the country being exclusively devoted to the analysis of NDPS substances. With the availability of facility, cases started pouring in from different parts of the state. The division is well equipped to undertake examination of the varied nature of psychotropic cases.

Following types of cases were examined:

- Opium
- Charas
- Bhang
- Ganja
- Heroin/Smack/Brown sugar
- Poppy straw (Husk)

Other psychotropic substances are given in the NDPS Act. However psychotropic substances generally encountered in the cases are given below and testing facilities for their analysis exist:

- Alprazolam
- Dextropropoxyphene hydrochloride
- Codein phosphate
- Dextropropoxyphene Napsylate
- Buprenorphine hydrochloride
- Diazepam

## **WORKING OF DNA DIVISION**

The division became functional in 2009. The DNA division is actively involved in performing forensic DNA analysis to establish human identity. Various types of cases involving DNA profiling are being taken up for examination, which include establishment of paternity, murder, sexual assault, foeticide, establishing paternity of RPOC (Retained Product of Conception), identity establishment in cases where the dead-bodies have been exhumed after murder, and burglary. Various kinds of exhibits being routinely examined in the laboratory are:

- Blood stains on FTA paper.
- Blood stains on cloth, bed-linen, weapon of offence, pieces of glass-bottles, stone, soil, paper cuttings etc.
- Saliva stains on piece of mat, cigarette butts.
- Seminal stains on clothes.
- Retained product of conception (tissue and bone)
- Liquid blood samples.
- Saliva samples.
- Teeth
- Tissues/Flesh
- Hair samples
- Urine samples
- Nails/nail scrapings

From the above biological source materials, DNA is first extracted and then quantified. Specific regions of DNA are then copied (multiplied) with multiples/Polymerase Chain Reaction (PCR) to produce millions of copies for each DNA region of interest. The resulting PCR products are then separated and detected by capillary electrophoresis. The resulting profile is then compared to other samples.

# ORGANISATIONAL CHART

**STATE FORENSIC SCIENCE LABORATORY, HIMACHAL PRADESH, JUNGA- 171218**

**DIRECTOR-1**

<b>BIOLOGY &amp; SEROLOGY DIVISION</b>	<b>CHEMISTRY &amp; TOXICOLOGY DIVISION</b>	<b>OFFICE</b>	<b>PHYSICS &amp; BALLISTICS DIVISION</b>	<b>DOCUMENTS &amp; PHOTOGRAPHY DIVISION.</b>	<b>NDPS DIVISION</b>	<b>DNA PROFILING DIVISION</b>
Asstt. Director-1	Asstt. Director-1	Superintendent. -1	Asstt. Director-1	Asstt. Director-1	Asstt. Director-1	Deputy Director –1
Scientific Officer-1	Scientific Officer-1	Sr. Assistant. –2	Scientific Officer-1	Scientific Officer-1	Scientific Officer-1	Asstt. Director-2
Scientific Asstt.-2	Scientific Asstt.-2	Jr. Scale Steno-2	Scientific Asstt.-1	Scientific Asstt.-1		Scientific Officer-2
Laboratory Asstt.-3	Laboratory Asstt.-3	Clerks-4	Laboratory Asstt.-2	Laboratory Asstt.-2		
Lab.Attendant-3	Lab.Attendant-3	Stenotypist-4	Lab.Attendant-2	Lab.Attendant-2		
		Computer –1				
		HC-1 (Guard)				
		Constable-4				
		Constable Driver-3				
		Peons-7				
		Mali-1				
		Sweeper-2				

# ORGANISATIONAL CHART

REGIONAL FORENSIC SCIENCE LABORATORY DHARAMSHALA  
HIMACHAL PRADESH,

DEPUTY DIRECTOR-1

BIOLOGICAL SCIENCES DIVISION	CHEMICAL SCIENCES DIVISION	PHYSICAL SCIENCES DIVISION	MINISTERIAL STAFF.
Assistant.Director-1	Assistant Director-1	Assistant Director-1	Sr.Assistant-1
Scientific Officer-1	Scientific Officer-1	Scientific Officer-1	Clerk-1
Scientific Assistant-1	Scientific Assistant-1	Scientific Assistant-1	Jr.Scale Steno-1
Laboratory Assistant-1	Laboratory Assistant-1	Laboratory Assistant-1	Stenotypist-1
Laboratory Attendant-1	Laboratory Attendant-1	Laboratory Attendant-1	Peon-2
			Sweeper-1
			Driver-1

# ORGANISATIONAL CHART

REGIONAL FORENSIC SCIENCE LABORATORY MANDI  
HIMACHAL PRADESH

DEPUTY DIRECTOR-1

BIOLOGICAL SCIENCES DIVISION	CHEMICAL SCIENCES DIVISION	PHYSICAL SCIENCES DIVISION	MINISTERIAL STAFF
Assistant.Director-1	Assistant Director-1	Assistant Director-1	Sr.Assistant-1
Scientific Officer-1	Scientific Officer-1	Scientific Officer-1	Clerk-1
Scientific Assistant-1	Scientific Assistant-1	Scientific Assistant-1	Jr.Scale Steno-1
Laboratory Assistant-1	Laboratory Assistant-1	Laboratory Assistant-1	Stenotypist-1
Laboratory Attendant-1	Laboratory Attendant-1	Laboratory Attendant-1	Peon-2
			Sweeper-1
			Driver-1

## II. The powers and duties of its officers and employees:

Following are the duties of the officers/officials of the scientific staff of State Forensic Science Laboratory, HP, Junga:

### 1. Director

1. Examination, evaluation, comparison of clue materials and to submit scientific reports.

2. To testify or give evidence before Judicial/Semi-judicial/Inquiry authority as and when required.
3. Examination of scene of crime and submission of reports.
4. Research in Forensic Science and related fields.
5. Teaching and training of IOs/NGOs of Police Prosecution and Judiciary in Forensic Science.
6. Any other scientific and Administrative work assigned by the, senior officers /Government.

Besides above duties, he is the head of the Institution as well as Controlling Officer and has to perform duties related to it. He has to manage all the Scientific matters for the over all scientific development of the Institution for the incorporation of new technology.

## **2. Deputy Director**

1. Examination, evaluation, comparison of clue materials and to submit scientific reports.
2. To testify or give evidence before Judicial/Semi-judicial/Inquiry authority as and when required.
3. Examination of scene of crime and submission of reports.
4. Research in Forensic Science and related fields.
5. Teaching and training of personnel's in Forensic Science and related fields.
6. 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.
7. He/she will render all assistance to the D/FSL in updating and introducing new technologies in the division(s).
8. Any other work related to scientific or administrative nature assigned to him by the Director FSL/Government.

Besides above duties, he is required to assist the Director, FSL in the matters of scientific and administrative nature. He is the supervisory officer and Divisional Incharge of atleast two Divisions and has to guide the Scientists working under him. Management of Scientific and Administrative work has also to be looked after by him under the guidance of Director, State FSL, HP.

## **3. Assistant Director**

1. Examination, evaluation, comparison of clue materials and to submit scientific reports.
2. To testify or give evidence before Judicial/Semi-judicial/Inquiry authority as and when required.
3. Examination of scene of crime and submission of reports.
4. Research in Forensic Science and related fields.
5. Teaching and training of personals in Forensic Science and related fields.
6. 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.
7. He/she will render all assistance to the D/FSL in updating and introducing new technologies in the division.
8. Any other work assigned by senior officers/Govt.

He/she is Divisional Incharge of his/her division. He also supervises and guide the scientific and technical staff of his division concerned in Administrative and scientific matters.

#### **4. Scientific Officer**

1. Examination, evaluation, comparison of clue materials and to submit scientific reports.
2. To testify or give evidence before Judicial/Semi-judicial/Inquiry authority as and when required.
3. Examination of scene of crime and submission of reports.
4. Research in Forensic Science and related fields.
5. Teaching and training of personals in Forensic Science and related fields.
6. 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.
7. He/she will render all assistance to the D/FSL in updating and introducing new technologies in the division.
8. Any other work assigned by senior officers/Govt.

He/she is also Incharge scientific unit of staff working under him /her and also has to guide and supervisor the Unit.

#### **5. Scientific Assistant**

1. Examination, evaluation, comparison of clue materials and to submit scientific reports.
2. To assist the officers/Experts in examination of scene of crime and the exhibits in the laboratory.
3. Assistance in research in Forensic Science and related fields under the supervision of experts.
4. Assistance in practical demonstration during teaching and training.
5. Any other work assigned by the senior officers.
6. 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.
7. He/she will also render all assistance to the senior officers in the division in updating and introducing new technology in the division.

#### **6. Laboratory Assistant**

1. 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.
2. 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.
3. To perform another duties assigned by senior officers.

## 7. Laboratory Attendant

1. To clean the laboratory tables / apparatus sinks, shelves, furniture and other items in the division.
2. 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.
3. 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.

### III. The procedure followed in the decision making process, including channels of supervision and accountability.

The cases are examined by the teams of the experts in different divisions. The exhibits are examined as per scientific protocols in the manuals of different divisions of Forensic Science. The scientific and administrative work of the different divisions is supervised by the Assistant Directors; heads of the divisions and overall supervision of the scientific and administrative work is carried out by the Director, State Forensic Science Laboratory, Himachal Pradesh, Junga – 171218. The laboratory is functioning under the Administrative control of Home Department, Govt. of Himachal Pradesh. The exhibits for examination are received in sealed condition from the Investigating Agencies alongwith samples of seals used. After examination of the exhibits in the laboratory the remanants of the exhibits are sealed and returned to the Investigating Agency, which can be used for re-examination, if required. This is being done to keep transparency in the examination process. The reagents and chemicals used in testing are tested with negative as well as positive control samples so as to checkup the potency and validity of the reagents and chemicals. This avoids erroneous false positive or negative results. The tests are repeated twice to check the reproducibility of the results. After reproducible results have been obtained the reports are prepared accordingly and sent to the investigating agencies. Efforts have always been made to give the reports in the minimum possible time depending upon workload in different divisions. However, most of the cases are reported within a month or earlier.

### IV. The norms set by it for the discharge of its functions.

The Directorate of Forensic Science, Ministry of Home Affairs, Govt. of India, has setup work norms for all the Central and State Forensic Science Laboratories in the county. The same are being followed in Himachal Pradesh, which are as under:

#### WORK NORMS OF FORENSIC SCIENCE LABORATORY AND GOVERNMENT EXAMINERS OF QUESTIONED DOCUMENTS.

Division	No. of cases/exhibits to be examined per year. (200 working days.)	Scope
Biology	750 cases with 4500 exhibits	Stain examination, routine microscopic examination, hair examination and routine botanical examination etc.
Serology	700 cases with 3200	Origin, Routine blood grouping, Iso-enzyme etc.

	exhibits	
DNA	150 cases with 750 exhibits	DNA Analysis, superimposition, anthropological examination, food poisoning etc.
Toxicology	450 cases with 1200 exhibit	Extraction, detection and identification of poisoning in body tissues, detection and estimation of blood drug level in clinical toxicological cases, detection and identification of poisons in suspected poisonous samples.
Chemistry	300 cases with 800 exhibits	Arson, Petroleum products, General Analysis of Chemical substances
Liquor (Chemistry)	4000 cases with 8000 exhibits	Chemical/Instrumental Analysis of Liquor samples with respect to qualitative and quantitative estimation of ethyl alcohol and all other related substances.
Narcotics	4000 cases with 1200 exhibits	Analysis of narcotics and psychotropic substances.
Explosives	300 cases with 1200 exhibits	Analysis of Post Blast explosive residues, unexploded explosive material, identification of pyro-techniques etc.
Ballistics	200 cases with 750 exhibits	Firearm and ammunition identification, bullet examination, range of firing, time of firing, GSR residue analysis etc.
Physics	200 cases with 750 exhibits	Physical examination of trace elements like physical measurements, trace element profile, tool marks, deciphering, building materials, fiber and fabrics, glass/plastics, voice analysis, fake currency, counterfeit coins, broken objects.
Questioned Documents	240 cases with 12000 exhibits	Forensic Examination of documents including examination of signatures, writings, stamp impression, typewriting, printed matter, erasures, addition/obliteration, currency note, lottery tickets etc.
Photography	20,000 prints.	In-door and outdoor photography, micro and macro photography, videography, digital photography, invisible/ visible photography, development of films etc in addition to this other supporting photography techniques will also be handled.
Psychology	200 subjects/ exhibits	Lie detection examination, psychoanalysis examination, psychological assessment, Narco analysis and voice stress analysis etc.

**V. The rules, regulations, instructions, manuals and records, held by it or under its control or used by its employees for discharging its functions:**

The Directorate of Forensic Sciences, Ministry of Home Affairs, Govt. of India has prepared and published laboratory procedure manual in various discipline of Forensic Science in the year-2005. These manuals have been circulated to all the State and Central Laboratory in the India so as to have uniformity in examination and reports. We are following the same laboratory manual procedures alongwith other published protocols in Forensic Sciences in the State Forensic Science Laboratory in HP.

- i.) **Forensic Biology Manual:-** It gives the protocols for the examination of:-
- Examination of blood and blood stains.
  - Examination of other fluids and the stains.
  - Hair and fibre Examination.
  - Histological examination of tissues.
  - Identification of foodstuffs and stains.
  - Analysis of paper.
  - Poisonous plants.
  - Identification of wood.
  - Plants and their derivatives.
- ii.) **Forensic Serology Manual: -** It contains the protocols for the search, sampling and storage procedure of serological samples, procedure for species of origin test, alongwith blood grouping, Isogyne and paternity testing and the statistical methods for the calculation of Gene frequency and paternity index.  
**Note:- For Biological and Serological examinations Methods Manual of Metropolitan Police Forensic Science. Biology Laboratory, London is also consulted.**
- iii.) **Forensic Chemistry Manual: -** It gives the protocols for the examination of cement, mortar, concrete fires and arson scene residues.
- Oil and fats.
  - Analysis of gold and other metals in cheating cases.
  - Acid and alkalies.
  - Examination of chemicals used in trap cases.
  - Analysis in liquors/ drinks.
  - Soaps and detergent and other miscellaneous items.
- Manual of petroleum products-**It gives the protocol for the examination of petroleum products.
- Motor gasoline/motor spirit/petrol.
  - Kerosene / super kerosene oil (SKO).
  - Diesel (light diesel oil and high speed diesel),
  - Aviation turbine fuel (ATF Kerosene).
  - Engine lubricating oils.
  - Grease.
  - Furnace oils.
  - It contains the methods for the analysis of poisons and poisoning isolation and purification of poisons.
  - Analysis of inorganic poison (cations and anions)
  - Analysis of natural poison (organic non-volatiles)
  - Analysis of acidic (organic non-volatiles poisons/drugs).
  - Analysis of miscellaneous substances.
  - Instrumental analysis in Toxicology.
- iv.) **Forensic Physics Manual: -** It gives the procedure for the examination of foot/foot wear/tyres impressions.
- Feature of Tool Marks.
  - Examination of Tampered electronic energy meters.
  - Identification of cameras from film negatives.

- Examination of paint.
- Examination of identification marks.
- Examination of glass fragments voice analysis.
- Examination of soil samples.
- Examination of concrete.
- Forensic Fiber Examination.
- Examination of broken objects.
- Forensic Examination of Electrical cables/ wires.
- Forensic Examination of papers.

v.) **Forensic Ballistics Manual:** - This manual contains the general procedure for the receipt opening, marking, examination and reporting procedures of the Forensic Ballistics exhibits. The examination procedures on the following aspects are contained in the manual along with requirements and safety aspects. The examination procedures have been prescribed for :-

- Barrel wash examination.
- Examination of firearm or parts, thereof manufacturing tool.
- Examination of firearm, prone to accidental discharge.
- Identification of firearm type, and model.
- Examination of firearm, whether its parts tempered with.
- Restoration of Erased marking on firearm.
- Examination of ammunition or parts thereof / manufacturing Tools.
- Identification of ammunition/ parts thereof for type, make, and caliber.
- Identification of Bullet/ slug / parts thereof.
- Identification of shots and pellets.
- Identification of wads/ wad pieces.
- Identification of propellant change.
- Linkage of fired/ misfired cartridge.
- Linkage of Fired Bullet/ Bullet Fragments with Rifled firearm.
- Bullets/ Pallets/ wad whether fired or not.
- Examination of Target involved in shooting.
- Measurement of wound ballistic parameters.
- Chemical tests.
- Test firing.
- Test specimen.
- Automatic examination and comparison of fired bullets/ cartridge cases and creation of a national Database.

vi.) **Forensic Document examination Manual:-** It gives the general principles of identification: \_

- Basis of Handwriting identification.
- Detection of forgery and fixing the authorship of forged signatures.
- Examination type-script.
- Determination of Sequence of strokes in Forensic Document Problems.
- Examination of other physical evidences like folds and creases, staples; alpin marks etc.
- Identification of printed matter, computer print-outs and other Mechanical impressions.
- Examination of credit cards and travel documents.
- Forensic Examination of writing materials i.e. inks and paper.
- Indentations, alterations, erasures, additions, substitution and obliteration in Forensic Documents.

- List of standard reference books and journals in Forensic Documents containing the methods and techniques of analysis as applicable in forensic Documents.

**Laboratory Procedure Manuals: For examination of counterfeit or forged currency/ bank notes and other related exhibits -2004.** The instructions for IOs for forwarding of cases.

- Report case in the laboratory.
- Laboratory Examination.
- Examination of security features.
- Instrumental techniques.
- Case opening sheet.
- Work/observation sheet.
- Examination report programme.

**vii.) Forensic photography:** - It is done by Forensic methods published in the scientific literature Indoor photography for recording the forensic findings in the laboratory and out door photography at the scenes of crime is done to record the forensic evidence present at the SOC. The negatives of the photographs are taken and preserved in the case files of the laboratory. The photographs are submitted to the courts of law whenever required.

**viii.) DNA Examination manual:** - This manual contains the general procedure for the receipt, opening, marking, examination and reporting procedures of the DNA exhibits. The examination procedures on the following aspects are contained in the manual alongwith requirements and safety aspects:

- DNA isolation from Biospecimen.
- Quantitation of DNA.
- STR Typing by Automated DNA sequencer.
- Mitochondrial DNA Analysis.
- Y – STR Analysis.
- Identification of Wildlife Species.
- Statistical Analysis.
- Quality Assurance Standards.
- Reagent Preparation.

**ix.) Narcotic Drugs & Psychotropic Substances:** - This manual contains the genera, procedure for the receipt, opening, marking, examination and reporting procedures of the NDPS exhibits. The examination procedures on the following aspects are contained in the manual alongwith requirements and safety aspects

- Identification and examination of:-
  - Opium/crude morphine/poppy straw.
  - Diacetyl morphine/Heroin/Smack/Brown Sugar.
  - Cannabis
  - Methaqualone/Mecloqualone.
  - Amphetamines/Methamphetamines.
  - Barbiturates/barbiturate Derivatives.
  - Benzodiazepines.
  - Mescaline.
  - Psilocin/Psilocybin.

- Lysergide (LSD)
- Miscellaneous drugs.

**VI. A statement of the categories of documents that are held by it or under its control.**

1. Administrative files
2. Accounts files
3. Crime case files.

**VII. The particulars of any arrangement that exists for consultation with, or representation by, the members of the public in relation to the formulation of its policy or implementation thereof.**

Not applicable to the State Forensic Science Laboratory, Himachal Pradesh as public has no direct access to the office; rather crime matters are referred by the Police to this office.

**VIII. A statement of the boards, councils, committees and other bodies consisting of two or more persons constituted as its part or for the purpose of its advice, and as to whether meetings of those boards, councils, committees and other bodies are open to the public, or the minutes of such meetings are accessible for public.**

Himachal Pradesh Forensic Science Development Board was constituted vide Govt. of H.P. Notification No. Home (A)B(12)3/94 dated 09/12/2005. The terms of references are as under:

**Government of Himachal Pradesh**

**“Home Department”**

No. Home(A)B(12)3/94

Dated 09/12/2005 Shimla 171002

**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:-

- |  |                 |
|--|-----------------|
| 1. Hon’ble Chief Minister, Himachal Pradesh.   | <b>Chairman</b> |
| 2. Chief Secretary to the Govt. of H.P.  | Vice-Chairman   |
| 3. Advocate General, Himachal Pradesh, Shimla.   | Member          |
| 4. Addl. Chief Secretary/Pr.Secretary (Finance) to the Govt. of Himachal Pradesh.  | Member          |
| 5. Pr. Secretary (Home) to the Govt. of H.P.   | Member          |
| 6. Director General of Police, Himachal Pradesh.   | Member          |
| 7. Director-cum—Chief Forensic Scientist, Directorate of Forensic Science, MHA, GOI, New Delhi or Regional Forensic Science Lab. Chandigarh. | Member          |
| 8. Director, Vigilance, Himachal Pradesh.  | Member          |

9. Director, Prosecution Govt.of Himachal Pradesh.	Member
10. Director, State Forensic Science Lab. H.P.	Member Secretary
11. Addl. Director General (APT), H.P.Shimla.	Member
12. 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

**Government of Himachal Pradesh**  
**“Home Department”**

No.Home-C(C)14-1/2005

Dated: Shimla-2 the 13/3/2007

**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, Jung 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. (Acctts.), PHQ   | Member   |

**BY ORDER**

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

## IX. Directory of its officers and officials.

### STATE FSL H.P. JUNGA

#### OFFICERS

S. No.	Name & Designation	Date of Birth	Date of Apptt.	Date of Promotion	Qualification	Departmental Examination	Category	Home District
1.	Dr. J. R. Gaur, Director	15.8.1954	27.06.1978	07.01.1998	M.Sc. Ph.D. (Physical Anthropology)	Passed	General	Karnal (Haryana)
2.	Dr. Gian Chand, Assistant Director	11.11.1963	29.10.1990	07.03.1998 SO 08.07.2008 AD	M.Sc (Gold Medalist) M.Phil, Ph.D (Botany)	-do-	General	Kullu
3.	Dr. Vijay Singh Jamwal, Assistant Director	16.07.1963	30.08.1990 FN	07.03.1998 SO 08.07.2008 AD	MSc,MPhil,PhD (Chemistry)	-do-	General	Mandi
4.	Sh. Visheshwar Sharma, Assistant Director	02.07.1965	31.05.1991	20.03.1998 SA 05.02.1999 SO 08.07.2008 AD	B.Sc.(Med.), A.I.C. Equivalent to M.Sc. (Chemistry)	-do-	General	Shimla
5.	Dr. Aparna Sharma Assistant Director	11.08.1972	01.05.2009	-	M.Sc. Ph.D. Life Sciences	Not Passed	General	Solan
6.	Dr. Vivek Sahajpal Assistant Director	30.11.1977	23.01.2010	-	M.Sc. Ph.D. Forensic Science	-do-	General	Bilaspur
7.	Sh. Kapil Sharma, Assistant Director	30.04.1978	09.01.2009	05.08.2010 AD	M.Sc. Chemistry	-do-	General	Kangra
8.	Sh.Chaman Lal Scientific Officer	30.04.1959	17.06.1991	11.06.2008 SO	M.Sc. Bio Chemistry	Not Passed	General	Kangra
9.	Sh.Nasib Singh, Scientific Officer	07.06.1969	01.07.1999 F.N	28.06.2001 SA 11.06.2008 SO	M.Sc. Maths B.Ed, PG Diploma in Ballistics	Not Passed	General	Kangra
10.	Dr. Jagjeet Singh Scientific Officer	01.01.1980	04.09.2009	-	M.Sc. Ph.D. PGDCA, B.Ed.	-do-	General	Bathinda (Punjab)
11.	Dr. Neelam Kumari Scientific Officer	12.04.1979	28.10.2010	-	Ph.D Biotechnology	-do-	SC	Hamirpur
12.	Smt. Ayesha Patial Scientific Officer	27.01.1977	02.11.2010	-	M.Sc. Microbiology	Not Passed	General	Kangra

#### OFFICIALS

S. No.	Name & Designation	Date of Birth	Date of Apptt.	Date of Promotion	Qualification	Departmental Examinations	Category	Home District
1.	Sh. Hari Krishan, Scientific Assistant	24.03.1973	18.5.1999 as Lab Asstt	22.11.2004 SA	B.Sc.(Medical)	NA	General	Kullu
2.	Sh.Ravinder Attri,	15.03.1975	10.05.1999	10.10.2007	B.Sc	-do-	General	Solan

	Scientific Assistant			as SA	(Non-medical)			
3.	Sh.Rakesh Kumar, Scientific Assistant	19.04.1972	11.03.2002	12.08.2008 SA	B.Sc.(Medical)	-do-	General	Hamirpur
4.	Sh. Rajat Chaudhary Scientific Assistant	07.01.1985	09.04.2010	-	M.Sc. Forensic Science	-do-	OBC	Kanga
5.	Sh. Sanjeev Singh Scientific Assistant	22.12.1977	29.07.2010	-	M.Sc. (Physics)	-do-	General	Kangra
6.	Sh. Ajay Singh Rana Scientific Assistant	09.01.1985	03.08.2010	-	M.Sc. (Botany)	-do-	General	Hamirpur
7.	Sh. Madan Gopal, Lab. Assistant	24.07.1968	06.01.1990 As Lab Attd.	21.08.2004 Lab Asstt	+2 Pass	-do-	General	Shimla
8.	Sh.Santosh Singh, Lab. Assistant	10.07.1966	06.01.1990	01.06.2009 Lab. Asstt.	+2 Pass	-do-	S.C	Shimla
9.	Smt. Nisha Devi Lab. Assistant	01.01.1982	09.04.2010	-	B.Sc. B.Ed., M.Sc. (Microbiology)	-do-	General	Mandi
10.	Sh. Hitesh Singh Lab. Assistant	31.08.1986	09.04.2010	-	M.Sc. Biotechnology	-do-	General	Mandi
11.	Sh. Suneel Kumar Lab. Assistant	22.01.1980	12.04.2010	-	B.Sc. Biotechnology	-do-	General	Mandi
12.	Ms. Sarita Gupta Lab. Assistant	02.10.1987	29.07.2010	-	M.Sc.	-do-	General	Sirmour
13.	Sh. Naresh Kumar Lab. Assistant	26.01.1980	29.07.2010	-	M.Sc.	-do-	OBC	Una
14.	Sh. Satya Prakash Lab. Assistant	05.11.1979	30.07.2010	-	B.Sc, MBA	-do-	General	Shimla
15.	Sh. Heera Nand Lab. Assistant	19.02.1978	10.11.2010	-	B.Sc.	-do-	SC	Solan
16.	Sh.Brij Lal, Lab. Attendant	10.10.1964	03.01.1990	-	+2 Pass	-do-	General	Kangra
17.	Sh. Padam Nabh, Lab.Attendant	04.04.1966	12.12.1997	-	8th Pass	-do-	General	Mandi
18.	Sh. Dina Nath Lab. Attendant	16/09/1971	20/03/1998	-	8 <sup>th</sup> Pass	-do-	General	Shimla
19.	Sh.Chander Lal, Lab. Attendant	02.03.1963	28.03.1998	-	Matric	-do-	General	Shimla
20.	Sh. Prem Kumar, Lab. Attendant	15.02.1972	26.08.2000	-	9 <sup>th</sup> Pass	-do-	General	Shimla
21.	Sh. Devender Lab. Attendant	15.03.1968	08.10.2007	-	Matric	-do-	General	Shimla
22.	Smt. Nirmal Nehru Lab. Attendant	04.01.1962	01.06.2011	-	Matric	-do-	General	Shimla
23.	Sh. O.P. Gautam, Supdt. Gd-11	18.09.1954	04.11.1980	27.02.1984 Sr. Asstt. 02.03.2009 as Supdt.	Matric	-do-	General	Shimla
24.	Sh. Hari Chand, Sr.Assistant	15.12.1961	03.02.1983	5.10.1994 Sr. Asstt.	Matric	-do-	General	Shimla
25.	Sh. Narinder Singh,	05.10.1962	14.06.1985	30.08.2001	B.A	-do-	General	Solan

	Sr.Assistant			Sr. Asstt.				
26.	Sh. Mahesh Kumar, Jr.Assistant	08.04.1971	01.06.1994	-	BA Part-I	-do-	General	Shimla
27.	Sh. Chaman Lal, Clerk	24.10.1975	11.02.1997	-	+2 Pass	-do-	General	Bilaspur
28.	Smt. Sulakshana Rani. Clerk	04.01.1977	02.12.1997	-	+2 Pass	-do-	OBC	Hamirpur
29.	Sh. Jasmer Singh Jr.Scale Steno	01.11.1966	12.11.1986	18.05.2007	Matric	-do-	General	Hamirpur
30.	Sh. Nater Singh Jr.Scale Steno	07/12/1960	29/09/1988	12/09/2008	Matric	-do-	General	Mandi
31.	Sh. Dinesh Kumar Computer	06.12.1973	02.12.2002	-	B.Sc. B.Ed. PGDCA, CIC DCSM	-do-	General	Mandi
32.	Smt.Shimlo Devi Stentypist	26.02.1977	11.02.1997	-	+2 Pass	-do-	General	Bilaspur
33.	Sh. Dhani Ram Peon	04.02.1958	29.12.1989	-	Middle	-do-	SC	Solan
34.	Sh. Roop Lal, Peon	10.03.1967	17.10.1989	-	+2 Pass	-do-	General	Bilaspur
35.	Sh. Sarbjeet Singh Peon	04.06.1964	08.08.1995	-	9 <sup>th</sup> Pass	-do-	General	Una
36.	Smt. Chinta Devi Peon	01.08.1958	20.05.1996	-	Illiterate	-do-	General	Bilaspur
37.	Sh. Baljeet Singh Peon	16.12.1972	06.08.1997	-	Middle	-do-	General	Hamirpur
38.	Sh. Shish Kumar Peon	20.04.1976	10.09.1997	-	Middle	-do-	SC	Kullu
39.	Smt. Binta Devi Mali	01.03.1970	26.08.1997	-	4 <sup>th</sup> Pass	-do-	SC	Shimla
40.	Sh. Shiv Charan Sweeper	01.04.1959	10.12.1980	-	4 <sup>th</sup> Pass	-do-	SC	Shimla
41.	Smt Kamla Devi Sweeper	13.01.1969	24.11.2006	-	Illiterate	-do-	SC	Shimla
42.	Const./Driver Jagat Ram	15.04.1969	01.04.1998	Good - 09	Matric	1. RTC	SC	Bilaspur
43.	HHC./Driver Sukh Dev	10.02.1958	27.02.1996	Good - 05	Middle Pass	1. RTC	SC	Una
44.	HC Anil Kumar	26.04.1974	21.03.1998	21.01.2007 as HC	BA	RTC Lower Pass	SC	Sirmour
45.	C. Desh Raj	18.04.1962	16.12.2008	-	Madhyama Visharad (Dwitiya Khand)	RTC	General	Hamirpur
46.	C. Pradeep Kumar	15.06.1974	16.12.2008	-	+2 Pass	RTC	General	Hamirpur
47.	C. Khushvinder Singh Negi	06.10.1984	01.07.2008	-	BA	RTC	ST	Kinnaur
48.	C. Kamaljeet	26.08.1983	06.11.2008	-	+2 Pass	RTC	General	Hamirpur

## REGIONAL FSL DHARAMSHALA.

### OFFICERS

S. No.	Name & Designation	Date of Birth	Date of Apptt.	Date of Promotion	Qualification	Departmental Examinations	Category	Home Distt.
1.	Dr. Arun Sharma, Deputy Director	31.3.1963	30.08.1991	02.06.2008	M.Sc., Ph.D Forensic Science	Passed	General	Mandi
2.	Dr. Meenakshi Mahajan, Assistant Director	23.12.1970	13.06.2000	-	MSc., Ph.D. (Chemistry)	-do-	General	Kangra
3.	Dr. Neeti Prakash Assistant Director	10.07.1976	04.07.2009	-	M.Sc. Ph.D. Forensic Science	Not Passed	General	Jhansi (U.P.)
4.	Dr. Surender Kumar Pal Assistant Director	10.05.1969	26.10.2010	-	M.Sc. (Hons) Ph.D. (Physical Anthropology), MA (English), PGJMC, Diploma in Translation	-do-	General	Solan
5.	Sh. Ajay Kumar, Scientific Officer	06.04.1971	31.03.1998	12.06.2008	M.Sc. (Botany) B.Ed.	Passed	General	Hamirpur
6.	Sh. Mam Raj, Scientific Officer	10.05.1973	20.05.1999	12.06.2008	M.Sc. Mathematics	Not Passed	OBC	Sirmaur
7.	Dr. Vijay Kumar Scientific Officer	02.08.1981	30.10.2010	-	M.S. (Pharm), Ph.D. (Pharmaceutical Analysis)	Not Passed	General	Bilaspur

### OFFICIALS

S. No.	Name & Designation	Date of Birth	Date of Apptt.	Date of Promotion	Qualification	Departmental Qualification	Category	Home District
1.	Sh. Rajesh Kumar, Scientific Assistant	25.08.1968	19.05.1999	10.10.2007 as S.A	B.Sc., PG Diploma in Instrumentation, A.I.C. (Chemistry)	NA	General	Bilaspur
2.	Sh. Jaswant Singh, Scientific Assistant	02.03.1978	11.02.2002	10.10.2007 as S.A	M.Sc. Mathematics	-do-	S.C	Una
3.	Smt Poonam Sharma Lab. Assistant	11.01.1983	30.07.2010	-	M.Sc. (Botany), B.Ed.	-do-	General	Hamirpur
4.	Sh. Upender Lab. Assistant	19.07.1976	31.07.2010	-	M.Sc. (Physics), B.Ed.	-do-	General	Kangra
5.	Sh. Jasmir Singh, Lab Attendant	08.03.1969	28.02.1990	-	+2 Pass (Arts)	-do-	OBC	Kangra
6.	Sh. Nand Lal, Lab. Attendant	10.03.1972	06.09.2000	-	Middle (8 <sup>th</sup> ) Pass	-do-	S.T	Chamba
7.	Sh. Jagroop Singh Lab. Attendant	12.03.1960	10.05.2011	-	7 <sup>th</sup> Pass	-do-	General	Kangra
8.	Smt. Suman Lata Sr. Assistant	10.02.1962	09.02.1985 At FSL	24.11.2003	Matric	-do-	General	Una

			07/12/2007					
9.	Sh. Kanshi Ram Peon	11.07.1974	10.10.2007 At FSL 21/06/2009	-	10+2 Arts	-do-	General	Mandi
10.	Sh. Hari Singh Peon	08.03.1967	10.10.2007 At FSL 21/06/2009	-	Under Matric	-do-	General	Mandi
11.	Smt. Shakuntla Sweeper	04.02.1956	15.05.1998 At FSL 21.06.2009	-	Illiterate	-do-	SC	Solan

## REGIONAL FSL MANDI

### OFFICERS

S. No.	Name & Designation	Date of Birth	Date of Apptt.	Date of Promotion	Qualification	Departmental Examinations	Category	Home Distt.
1.	Dr. Rajesh Verma, Deputy Director	06.10.1965	22.02.2000 F.N	13.01.2011	MSc, Ph.D (Physics)	Passed	General	Mandi
2.	Dr. B. R. Rawat, Assistant Director	16.7.1955	14.01.1991 F.N	13.08.1998	M.Sc,M.Phil, Ph.D (Chemistry)	-do-	General	Mandi
3.	Sh. Rajesh Kumar, Assistant Director	09.10.1969	03.02.1999 FN	10.12.2008	MSc.M. Phil. (Physics)	-do-	General	Hamirpur
4.	Sh. Tek Chand Assistant Director	10.03.1965	27.10.2010 FN	-	M.Sc. (Botany) M.Tech (Applied Botany)	Not Passed	General	Mandi
5.	Sh. Naresh Sharma Scientific Officer	31.03.1979	27.10.2010 FN	-	M.Sc. Ph.D. (Microbiology)	Not passed	General	Hamirpur

### OFFICIALS

S. No.	Name & Designation	Date of Birth	Date of Apptt.	Date of Promotion	Qualification	Departmental Examinations	Category	Home District
1.	Sh. Lakshmi Dutt Scientific Assistant	10.08.1969	18.05.1999 as Lab.Asstt.	20.03.2002 Direct S.A	M.Sc. (Chemistry)	NA	SC	Solan
2.	Sh. Dev Raj, Scientific Assistant	02.07.1973	18.05.1999	10.10.2007 as S.A	B.Sc.(Medical)	-do-	SC	Bilaspur
3.	Sh. Chander Kant, Scientific Asstt.	01.10.1974	19.04.2002	10.10.2007 as S.A	B.Sc. (Non-medical)	-do-	General	Mandi
4.	Sh. Ram Singh Lab. Assistant	22.09.1983	16.04.2010	-	M.Sc. M.Phil Biotechnology	-do-	OBC	Kangra
5.	Sh. Vinay Kumar Lab. Assistant	15.03.1983	16.04.2011	-	M.Sc Microbiology	-do-	OBC	Kangra
6.	Sh. Lok Raj, Laboratory Attendant	15.01.1970	22.01.1998	-	Matric	-do-	General	Mandi
7.	Sh. Rajesh Kumar Sr. Assistant	15.01.1970	22.01.1998	-	Matric	-do-	General	Mandi
8.	Sh. Sanal Kumar Clerk	10.06.1966	01.04.1999	-	Matric	-do-	General	Kullu

9.	Smt Phoola Devi Lab. Attendant	04.04.1967	19.09.1998	-	5 <sup>th</sup> Pass	-do-	General	Mandi
10.	Sh. Paras Ram Peon	07.10.1969	10.10.2007	-	Matric	-do-	SC	Mandi
11.	Sh. Jai Chand Peon	11.03.1965	03.09.2007	-	Ninth Class	-do-	General	Mandi
12.	Sh. Shyam Lal Sweeper	05.06.1967	08.09.1994	-	-	-do-	SC	Patiala (Punjab)

**X. The monthly remuneration received by each of its officers and employees, including the system of compensation as provided in its regulations.**

Statement Showing the Names and Designation of State F.S.L, H.P. and Regional Forensic Science Laboratories at Mandi and Dharmshala employees along with pay scale and total emoluments.

**STATE FSL H.P. JUNGA**

Sr. No.	Name & Designation	Pay Scale	Grade Pay	Total Emoluments
1.	Dr. J.R. Gaur, Director	37400-67000	8800	99,693
2.	Dr. Gian Chand, Assistant Director	15600-39100	6600	47,047
3.	Dr. Vijay Singh Jamwal, Assistant Director	15600-39100	6600	47,047
4.	Sh. Visheshwar Sharma, Assistant Director	15600-39100	6600	44,677
5.	Dr. Aparna Sharma, Assistant Director	15600-39100	6600	42,528
6.	Dr. Vivek Sahajpal, Assistant Director	15600-39100	6600	42,528
7.	Sh. Kapil Sharma, Assistant Director	15600-39100	6600	41,296
8.	Sh. Chaman Lal, Scientific Officer	10300-34800	4400	39,636
9.	Sh. Nasib Singh, Scientific Officer	10300-34800	4400	32,543
10.	Dr. Jagjeet Singh, Scientific Officer	10300-34800	4400	29,414
11.	Dr. Neelam Kumari, Scientific Officer	10300-34800	4400	29,011
12.	Smt. Ayesha Patial, Scientific Officer	10300-34800	4400	28,561
13.	Sh. Hari Krishan, Scientific Assistant	10300-34800	3800	28,950
14.	Sh. Ravinder Attri, Scientific Assistant	10300-34800	3800	26,559
15.	Sh. Rakesh Kumar, Scientific Assistant	10300-34800	3800	25,801
16.	Sh. Rajat Chaudhary, Scientific Assistant	10300-34800	3800	23,947
17.	Sh. Sanjeev Singh, Scientific Assistant	10300-34800	3800	23,947
18.	Sh. Ajay Singh Rana, Scientific Assistant	10300-34800	3800	24,347
19.	Sh. Madan Gopal, Lab. Assistant	5910-20200	2400	20,903
20.	Sh. Santosh Singh, Lab. Assistant	5910-20200	2400	20,787
21.	Smt. Nisha Devi, Lab. Assistant	5910-20200	2400	16,584
22.	Sh. Hitesh Singh, Lab. Assistant	5910-20200	2400	16,584

23.	Sh. Suneel Kumar, Lab. Assistant	5910-20200	2400	16,584
24.	Ms. Sarita Gupta, Lab. Assistant	5910-20200	2400	16,284
25.	Sh. Naresh Kumar, Lab. Assistant	5910-20200	2400	16,584
26.	Sh. Satya Prakash, Lab. Assistant	5910-20200	2400	16,584
27.	Sh. Heera Nand, Lab. Assistant	5910-20200	2400	16,584
28.	Sh. Brij Lal, Lab. Attendant	5910-20200	1900	20,256
29.	Sh. Padam Nabh, Attendant	5910-20200	1900	17,312
30.	Sh. Dina Nath, Lab. Attendant	5910-20200	1900	17,438
31.	Sh. Chander Lal, Lab. Attendant	5910-20200	1900	17,438
32.	Sh. Prem Kumar, Lab. Attendant	5910-20200	1900	16,227
33.	Sh. Devender Singh, Lab. Attendant	4900-10680	1650	13,127
34.	Smt. Nirmal Nehru, Lab. Attendant	4900-10,680	1300	11,450
35.	Sh. Om Prakash Gautam, Office Supdt.	10300-34800	4200	47,473
36.	Sh. Hari Chand, Sr. Asstt.	10300-34800	4200	37,339
37.	Sh. Narinder Singh, -do-	10300-34800	3800	33,298
38.	Sh. Mahesh Kumar, Jr. Asstt.	5910-20200	2800	23,236
39.	Sh. Chaman Lal, Clerk	5910-20200	1950	19,560
40.	Smt. Sulakshana Rani, -do-	5910-20200	1950	18,991
41.	Sh. Jasmer Singh, Jr. Scale Steno	5910-20200	2800	27,449
42.	Sh. Nater Singh, Jr. Scale Steno	5910-20200	2800	26,546
43.	Smt. Shimlo Devi, Steno	5910-20200	2400	20,303
44.	Sh. Dinesh Kumar, Computer	5910-20200	1900	16,300
45.	H. C. Anil Kumar	5910-20200	2400	21,174
46.	HHC/Dvr. Sukhdev Singh	5910-20200	1950	29,881
47.	Const. Dvr. Jagat Ram	5910-20200	1950	25,337
48.	Const. Desh Raj	5910-20200	1900	23,797
49.	Const. Pradeep Kumar	5910-20200	1900	20,084
50.	Const. Khushvinder Singh Negi	5910-20200	1900	13,059
51.	Const. Kamaljeet	5910-20200	1900	13,859
52.	Sh. Roop Lal, Peon	4900-10680	1400	18,123
53.	Sh. Dhani Ram, Peon	4900-10680	1400	18,123
54.	Sh. Sarbjeet Singh, Peon	4900-10680	1400	16,714
55.	Sh. Ramesh Kumar, Peon	4900-10680	1400	16,364
56.	Smt. Chinta Devi, Peon	4900-10680	1400	16,271
57.	Sh. Baljeet Singh, Peon	4900-10680	1400	15,526
58.	Sh. Shish Kumar, Peon	4900-10680	1400	15,826
59.	Sh. Shiv Charan, Sweeper	4900-10680	1400	21,140

60.	Smt. Binta Devi, Mali	4900-10680	1400	15,826
61.	Smt. Kamala Devi, Sweeper	On Part Time Basis	-	1984

#### **RFSL, DHARMASHALA**

<b>Sr. No.</b>	<b>Name &amp; Designation</b>	<b>Pay Scale</b>	<b>Grade Pay</b>	<b>Total Emoluments</b>
1.	Dr. Arun Sharma, Deputy Director	15600-39100	7600	62491
2.	Dr. Meenakshi Mahajan, Assistant Director	15600-39100	7600	57988
3.	Dr. Neeti Prakash, Assistant Director	15600-39100	6600	43578
4.	Dr. Surender Kumar Pal, Assistant Director	15600-39100	6600	41346
5.	Sh. Ajay Kumar, Scientific Officer	10300-34800	4400	36879
6.	Sh. Mam Raj, Scientific Officer	10300-34800	4400	32666
7.	Dr. Vijay Kumar, Scientific Officer	10300-34800	4400	29311
8.	Sh. Rajesh Kumar Jamwal, S.A.	10300-34800	3800	26929
9.	Sh. Jaswant Singh, S.A.	10300-34800	3800	26809
10.	Smt. Poonam Sharma, LA	5910-20200	2400	16734
11.	Sh. Upender, LA	5910-20200	2400	16734
12.	Sh. Jasmir Singh, Lab Attendant	5910-20200	1900	20906
13.	Sh. Nand Lal, Lab Attendant	5910-20200	1900	16577
14.	Sh. Jagroop Singh, Lab Attendant	4900-10680	1400	16945
15.	Smt. Suman Lata, Sr. Assistant	10300-34800	3800	29227
16.	Sh. Kanshi Ram, Peon	4900-10680	1300	11800
17.	Sh. Hari Singh, Peon	4900-10680	1300	11800
18.	Smt. Shakuntla Devi, Sweeper	4900-10680	1400	17673

#### **RFSL, MANDI**

<b>Sr. No.</b>	<b>Name &amp; Designation</b>	<b>Pay Scale</b>	<b>Grade Pay</b>	<b>Total Emoluments</b>
1.	Dr. Rajesh Verma, Deputy Director	15600-39100	7600	56,279
2.	Dr. B.R. Rawat, Assistant Director	15600-39100	6600	60,875
3.	Sh. Rajesh Kumar, Assistant Director	15600-39100	6600	45,077
4.	Sh. Tek Chand, Assistant Director	15600-39100	6600	42,296
5.	Sh. Naresh Sharma, Scientific Officer	10300-34800	4400	29,261
6.	Sh. Laxmi Dutt Raghav, S.A.	10300-34800	3800	31,589
7.	Sh. Dev Raj Kalia, S.A.	10300-34800	3800	26,759

8.	Sh. Chander Kant, S.A.	10300-34800	3800	26,759
9.	Sh. Ram Singh, L.A.	5910-20200	2400	16,684
10.	Sh. Vinay Kumar, Lab. Assistant	5910-20200	2400	16,210
11.	Sh. Lok Raj, Lab. Attendant	4900-10680	1650	16,058
12.	Smt. Phoola Devi, Lab. Attendant	4900-10680	1400	15,210
13.	Sh. Rajesh Gupta, Sr. Assistant	10300-34800	3800	29,169
14.	Sh. Sanal Kumar, Clerk	5900-20200	1950	18,222
15.	Sh. Paras Ram, Peon	4900-10680	1300	11,750
16.	Sh. Jai Chand, Peon	4900-10680	1300	11,750
17.	Sh. Shayam Lal, Sweeper	4900-10680	1400	15832

**XI. The budget allocated to each of its agency, indicating the particulars of all plans, proposed expenditures and reports on disbursements made.**

**HOME DEPARTMENT**

**HIMACHAL PRADESH**

Statement showing the allotment of budget for the year 2010-2011 under head "2055-Police-116- Forensic Science-01-State Forensic Science Laboratory" (SOON) (Non-Plan)

**(Demand No. 7)**

**Figures in Rupees**

**STATE FORENSIC SCIENCE LABORATORY AND IT'S REGIONAL FSLs**

<b>Object Code/SOE</b>	<b>Sanctioned Budget + Additionality</b>	<b>State FSL H.P. Junga</b>	<b>RFSL Dharamshala</b>	<b>RFSL Mandi</b>
01-Salary	3,16,09,000	1,88,86,000	70,00,000	57,23,000
02-Wages	2,20,000	1,20,000	50,000	50,000
03-Travel Expenses	5,99,000	3,79,000	1,60,000	60,000
05-Office Expenses	12,70,000	8,90,000	1,90,000	1,90,000
06-Medical Re-Imbursement	2,18,000	1,23,000	45,000	50,000
07- Rent, Rate & Taxes	2,58,000	-	1,29,800	1,28,200
09-Advertising & Publicity	25,000	25,000	-	-
10-Hospitality & Entertainment	10,000	8,500	1000	500
15-Training	79,000	59,000	10,000	10,000
21- Maintenance	5,73,370	5,73,370	-	-
30-Motor Vehicle	4,34,000	2,99,000	1,15,000	20,000
31-Mechaniry & Equipments	3,40,000	3,40,000	-	-
33-Material & Supply	26,32,000	22,82,000	2,00,000	1,50,000
64-Transfer Expenses	32,000	12,000	10,000	10,000
<b>Total</b>	<b>3,82,99,370</b>	<b>2,39,96,870</b>	<b>79,10,800</b>	<b>63,91,700</b>

**XII. The manner of execution of subsidy programmes, including the amounts allocated and the details of beneficiaries of such programmes**

Not Applicable.

**XIII. Particulars of recipients of concessions, permits or authorizations granted by it.**

Not Applicable.

**XIV. Details in respect of the information, available to or held by it, reduced in an electronic form.**

As in the booklet please. The information as contained in the booklet can be accessed at the website of Home Department, Govt. of Himachal Pradesh on [www.himachal.nic.in/home](http://www.himachal.nic.in/home).

**XV. The particulars of facilities available to citizens for obtaining information, including the working hours of a library or reading room, if maintained for public use.**

The information regarding reports is exempted from being made available to the public as per provisions in section 8 (h) of the Act. However, for other information can be obtained as per provisions of RTI Act 2005

The library of the institution is a scientific library and is accessible to the working scientists or the permitted scientists only. The library is not for public use. Due to security reasons the laboratory is locked and sealed after office hours till the start of office the next day and is guarded by a police guard for the safety and security of the crime case exhibits.

**XVI. The names, designations and other particulars of the Public Information Officers.**

**STATE FSL, H.P. JUNGA**

Sr. No.	Name & Designation.	Designated As	Telephone No (O)	Telephone No (M)
1.	Dr. J.R. Gaur Director	Appellate Authority	0177-2752527	94180-22220
2.	Dr. Gian Thakur Assistant Director Biology & Serology	Public Information Officer	0177-2752521 Ext. No. 106	94181-29210

**REGIONAL FSL DHARMSHALA**

Sr. No.	Name & Designation.	Designated As	Telephone No (O)	Telephone No (M)
1.	Dr. Arun Sharma Deputy Director	Appellate Authority	01892-222463	94180-29755
2.	Sh. Neeti Prakash Dubey, Assistant Director	Public Information Officer	01892-222463	94180-37330

## REGIONAL FSL MANDI

Sr. No.	Name & Designation.	Designated As	Telephone No (O)	Telephone No (M)
1.	Dr. Rajesh Verma Deputy Director	Appellate Authority	01905-247510	94185-55668
2.		Public Information Officer	01905-247510	

**XVII. Such other information as may be prescribed and thereafter update these publications every year.**

### SANCTIONED AND POSTED STRENGTH OF STATE FORENSIC SCIENCE LABORATORY, HIMACHAL PRADESH, JUNGA.

Sr. No.	Name of Post	Sanctioned Strength	Posted	Vacancy	Remarks
1.	Director	1	1	0	
2.	Deputy Director	1	0	1	For DNA Division
3.	Assistant Director	7	6	1	For Physics & Ballistics.
4.	Scientific Officer	7	5	2	1 for DNA, 1 for NDPS
5.	Scientific Assistant	6	6	0	
6.	Laboratory Assistant	10	9	1	For Physics & Ballistics
7.	Laboratory Attendant	10	6	4	
8.	Supdt. Gd. – II	1	1	0	
9.	Sr. Assistant	2	2	0	
10.	Clerk	4	3	1	
11.	Computer	1	1	0	
12.	Jr. Scale Stenographer	2	2	0	
13.	Steno Typist	4	1	3	
14.	Peon	7	7	0	
15.	Mali	1	1	0	
16.	Sweeper	2	1	1	
17.	Head Constable	1	1	0	
18.	Constable Driver	3	3	0	
19.	Constable	4	4	0	
	<b>Total</b>	<b>74</b>	<b>60</b>	<b>14</b>	

**SANCTIONED AND POSTED STRENGTH OF REGIONAL FORENSIC SCIENCE  
LABORATORY, DHARMSHALA, HIMACHAL PRADESH.**

Sr. No.	Name of Post	Sanctioned Strength	Posted	Vacancy	Remarks
1.	Deputy Director	1	1	0	
2.	Assistant Director	3	3	0	
3.	Scientific Officer	3	3	0	
4.	Scientific Assistant	3	2	1	For Biology Division
5.	Laboratory Assistant	3	2	1	For Biology Division
6.	Laboratory Attendant	3	3	0	
7.	Senior Assistant	1	1	0	
8.	Clerk	1	0	1	For Office vacant since Feb 2012.
9.	Jr. Scale Stenographer	1	0	1	
10.	Steno Typist	1	0	1	
11.	Peon	2	2	0	
12.	Sweeper	1	1	0	
13.	Constable Driver	1	0	1	
	<b>Total</b>	<b>24</b>	<b>18</b>	<b>6</b>	

- Note:**
1. HC Sanjeev Katoch and one constable to man Crime Branch on deployment from the SP Kangra.
  2. Guard (1+4) sanctioned by the Government on deployment from SP Kangra has been posted at RFSL Dharmshala for the security purpose

**SANCTIONED AND POSTED STRENGTH OF REGIONAL FORENSIC SCIENCE  
LABORATORY, MANDI, HIMACHAL PRADESH**

Sr. No.	Name of Post	Sanctioned Strength	Posted	Vacancy	Remarks
1.	Deputy Director	1	1	0	
2.	Assistant Director	3	3	0	
3.	Scientific Officer	3	1	2	One each for Physics and Ballistics and Chemistry and Toxicology division.
4.	Scientific Assistant	3	3	0	
5.	Laboratory Assistant	3	2	1	For Physics & Ballistics division.
6.	Laboratory Attendant	3	2	1	For Biology & Serology division.
7.	Sr. Assistant	1	1	0	

8.	Clerk	1	1	0	
9.	Jr. Scale Stenographer	1	0	1	For Office (Deputy Director)
10.	Steno Typist	1	0	1	For office (Assistant Directors)
11.	Peon	2	2	0	
12.	Sweeper	1	1	0	
13.	Driver	1	0	1	For office
	<b>Total</b>	<b>24</b>	<b>17</b>	<b>7</b>	

- Note:**
1. For the security of RFSL and crime exhibits, the HP Government sanctioned guard (1+4) is posted at RFSL Mandi which is borne on the strength of SP Mandi.
  2. The SP Mandi has posted a Head Constable and a Constable to man the crime branch of the RFSL Mandi.

## **LECTURES DELIVERED BY OFFICERS/OFFICIALS**

### **STATE FSL H.P. JUNGA**

<b>S. No.</b>	<b>Name &amp; Designation of Officer/Official</b>	<b>Number of lectures delivered/ demonstrations</b>
1.	Dr. J. R. Gaur, Director	50
2.	Dr. B. R. Rawat, Assistant Director	06
3.	Dr. Meenakshi Mahajan, Assistant Director	13
4.	Dr. Vijay Singh Jamwal, Assistant Director	16
5.	Dr. G. C Thakur, Assistant Director	31
6.	Sh. Visheshwar Sharma, Assistant Director	10
7.	Dr. Aparna Sharma, Assistant Director	05
8.	Dr. Vivek Sahajpal, Assistant Director	09
9.	Sh. Kapil Sharma, Assistant Director	17
10.	Sh. C.L. Sharma, Scientific Officer	09
11.	Sh. Nasib Patial, Scientific Officer	35
12.	Dr. Jagjeet Singh, Scientific Officer	26
13.	Dr. Neelam Kaushik, Scientific Officer	06
14.	Smt. Ayesha Patial, Scientific Officer	09
15.	Sh. Ravinder Attri, Scientific Assistant	05
16.	Sh. Rakesh Kumar Rana, Scientific Assistant	04
17.	Sh. Rajat Chaudhary, Scientific Assistant	10
18.	Sh. Madan Gopal, Laboratory Assistant	09
19.	Sh. Satya Prakash, Laboratory Assistant	01

## **REGIONAL FSL DHARAMSHALA**

<b>S. No.</b>	<b>Name &amp; Designation of Officer/Official</b>	<b>Number of lectures delivered/ demonstrations</b>
1.	Dr. Arun Sharma, Deputy Director	75
2.	Dr. Meenakshi Mahajan, Assistant Director (29/11/2011 to 31/03/2011)	25
3.	Sh. Visheshwar Sharma, Assistant Director (01/04/2011 to 22/09/2011)	08
4.	Dr. Neeti Prakash Dubey, Assistant Director	19
5.	Dr. Surender Kumar Pal, Assistant Director	48
6.	Sh. Ajay Sehgal, Scientific Officer	41
7.	Sh. Mam Raj Sharma, Scientific Officer	13
8.	Dr. Vijay Kumar, Scientific Officer	10
9.	Sh. Rajesh Kumar Jamwal, Scientific Assistant	13
10.	Sh. Jaswant Singh, Scientific Assistant	13

## **REGIONAL FSL MANDI**

<b>S. No.</b>	<b>Name &amp; Designation of Officer/Official</b>	<b>Number of lectures delivered/ demonstrations</b>
1.	Dr. Rajesh Kumar, Deputy Director	34
2.	Dr. B.R. Rawat, Assistant Director	14
3.	Sh. Rajesh Kumar, Assistant Director	24
4.	Sh. Tek Chand, Assistant Director	20
5.	Dr. Naresh Kumar, Scientific Officer	02
6.	Sh. Laxmi Dutt, Scientific Assistant	09
7.	Sh. Dev Raj Kalia, Scientific Assistant	22
8.	Sh. Chanderkant Sharma, Scientific Assistant	17

**TRAININGS ATTENDED BY THE SCIENTIFIC STAFF  
(STATE FSL H.P. JUNGA)**

<b>S.No.</b>	<b>Name and Designation</b>	<b>Course name and venue</b>
1.	Dr. G.C Thakur Assistant Director	Attended a specialized Forensic Medicine Engagement, a training programme sponsored by FBI, USA, at Honolulu, Hawaii, Los Angeles (LA) California and Knoxville w.e.f. 15/08/2011 to 26/08/2011.
2.	Dr. Aparna Sharma Assistant Director	<ol style="list-style-type: none"> <li>1. Attended Human Identification (HID) training by Life Technologies (Invitrogen), USA at Invitrogen Bioservices India Pvt. Ltd, Guargaon from 07/09/2011 to 09/09/2011.</li> <li>2. Attended Hands on training on DNA typing workshop forum at CDFD Hyderabad from 11/11/2011 to 13/11/2011.</li> </ol>
3.	Dr. Vivek Sahajpal Assistant Director	Attended training on Quality Management for ISO 17025 accreditation at CIPET, Gurgaon From 05/07/2011 to 08/07/2011.
4.	Dr. Neelam Kaushik Scientific Officer	Attended a training programme at National Institute of Criminology and Forensic Science, New Delhi w.e.f. 02/01/2012 to 12/01/2012.
5.	Smt. Ayesha Patial Scientific Officer	<ol style="list-style-type: none"> <li>1. Attended Human Identification (HID) training by Life Technologies (Invitrogen), USA at Invitrogen Bioservices India Pvt. Ltd, Guargaon from 07/09/2011 to 09/09/2011.</li> <li>2. Hands on training on DNA Fingerprinting in criminal investigation from 22-26, November 2011 at Sagar, Madhya Pradesh.</li> <li>3. Hands on training on DNA typing workshop forum at CDFD, Hyderabad from 11/11/2011 to 13/11/2011.</li> </ol>

**RFSL, DHARAMSHALA**

<b>S.No.</b>	<b>Name and Designation</b>	<b>Course name and venue</b>
1.	Dr. Arun Sharma Deputy Director	Two days training programme on RTI act at RTC HIPA w.e.f. 27 & 28.1.2012.
2.	Dr. Meenakshi Mahajan Assistant Director	1. One day training on e. procurement organized at DIT Dharmshala on 23.1.2012. 2. Two days training programme on RTI act at RTC HIPA w.e.f. 27 & 28.1.2012.
3.	Dr. Neeti Prakash Dubey, Assistant Director	Two days training programme on RTI act at RTC HIPA w.e.f. 27 <sup>th</sup> & 28.1.2012.
4.	Dr. Surender Kumar Pal, Assistant Director	One week training on Office Procedures and financial administration at RTC, HIPA w. e. f. 18-4-2011 to 23-4-2011.

**RFSL MANDI**

<b>S.No.</b>	<b>Name and Designation</b>	<b>Course name and venue</b>
1.	Sh. Tek Chand Assistant Director	1. Attended three days training on ' <i>Investigation of Rape &amp; Murder cases</i> ' at LNJJN, NICFS, w.e.f. 16.01.12 to 18.01.12.  2. Attended training course on ' <i>Induction course in Forensic Science</i> ' at LNJJN, NICFS, Rohini, New Delhi w.e.f. 12.03.12 to 23.03.12.  3. Attended one day ' <i>Awareness workshop on IPR</i> ' at NIT, Hamirpur on 15.10.11.
2.	Dr. Naresh Sharma, Scientific Officer	Attended 5 days training on ' <i>Official Procedures and Financial administration</i> ' at HIPA centre Mandi w.e.f. 2.8.11 to 6.8.11
3.	Sh. Ram Singh Laboratory Assistant	Attended training on ' <i>Basic computer course in MS-Word &amp; excel</i> ' at HIPA centre Mandi w.e.f. 23.8.11 to 27.8.11

**CONFERENCES/MEETINGS/SEMINARS/WORKSHOPS ATTENDED**

**STATE FSL H.P. JUNGA**

<b>S.No.</b>	<b>Name &amp; Designation</b>	<b>Remarks</b>
1.	Dr. J.R. Gaur, Director	<ol style="list-style-type: none"> <li>1. Attended 28 meetings with the Central/State Government Administrative Officers for the finalization of policies and decision making process in the matter pertaining to Forensic Science in the State.</li> <li>2. Attended workshop on Cyber laws and Prevention of Corruption Act organized by the H.P. State Judicial Academy at Manali from 16/09/2011 to 18/09/2011.</li> </ol>
2.	Dr. Aparna Sharma Assistant Director	Attended National Seminar on Contemporary Issues in Human Biology in the 21 <sup>st</sup> Century from 31 <sup>st</sup> March, 2011 to 1 <sup>st</sup> April 2012 organized by the Department of Human Biology, Punjabi University, Patiala.
3.	Sh. Kapil Sharma Assistant Director	<ol style="list-style-type: none"> <li>1. Attended two days workshop on NDPS Act and related issues on 4<sup>th</sup> and 5<sup>th</sup> September 2010 at Manali organized by H.P. State Judicial Academy, Shimla.</li> <li>2. Attended two days workshop on NDPS Act and related issues on 27<sup>th</sup> and 28<sup>th</sup> November 2010 at Palampur organized by H.P. State Judicial Academy, Shimla.</li> </ol>
4.	Sh. Nasib Singh Scientific Officer	Attended workshop on Scientific Investigation on Crime Involving Firearms w.e.f. 29/09/2011 to 28/09/2011 at Rohini, Delhi.
5.	Dr. Jagjeet Singh Scientific Officer	<ol style="list-style-type: none"> <li>1. Attended two days workshop on Cyber Forensic w.e.f. 05/05/2011 to 06/05/2011 at the Department of Information Technology, New Delhi.</li> <li>2. Attended two days workshop on Cyber Laws and Prevention of Corruption Act on 6<sup>th</sup> and 7<sup>th</sup> November, 2011 at CSIR, Palampur, H.P.</li> <li>3. Attended one day workshop on Advanced Internet Investigations and Cyber Forensic on 18<sup>th</sup> November 2011 at Department of Information and Technology, New Delhi.</li> </ol>

6.	Sh. Rajat Chaudhary Scientific Assistant	1. Two days workshop on Cyber Forensics w.e.f. 05-06 May 2011 at Department of Information Technology, New Delhi. 2. Two days conference on Cyber Laws and Prevention of Corruption Act at H.P. High Court, Shimla.
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#### **RFSL, DHARAMSHALA**

<b>S.No.</b>	<b>Name &amp; Designation</b>	<b>Remarks</b>
1.	Dr. Arun Sharma Deputy Director	1. One day Workshop at SP office Kangra for “Awareness of Drug Abuse” on 8.12.11 2. Two days National Symposium on Education & Research Forensic Science: Issues & challenges at PU Patiala on 15& 16th March 2012.
2.	Dr. Meenakshi Mahajan Assistant Director	Two days National Symposium on Education & Research Forensic Science: Issues & challenges at PU Patiala on 15 <sup>th</sup> & 16 <sup>th</sup> March 2012.
3.	Sh. Visheshwar Sharma, Assistant Director	Two days workshop on Cyber Laws & Prevention of Corruption Act at Manali on 17 <sup>th</sup> & 18 <sup>th</sup> Sept. 2011.
4.	Sh. Mam Raj Sharma, Scientific Officer	Two days workshop on Cyber Laws & Prevention of Corruption Act at Palampur on 5 & 6th Nov. 2011.
5.	Sh. Jaswant Singh Scientific Assistant	Two days workshop on Cyber Laws & Prevention of Corruption Act at Palampur on 5 <sup>th</sup> & 6 <sup>th</sup> November 2011.

#### **RFSL, MANDI**

<b>S.No.</b>	<b>Name &amp; Designation</b>	<b>Remarks</b>
1.	Dr. Rajesh Verma Deputy Director	Attended workshop on “Intellectual Property Rights” at the National Institute of Technology, Hamirpur on 15/10/2011.
2.	Sh. Rajesh Kumar Assistant Director	Two days National Symposium on Education & Research Forensic Science: Issues & challenges at PU Patiala on 15 <sup>th</sup> & 16 <sup>th</sup> March 2012.

## MEETINGS/SESSION CHAIRED/RADIO TALKS/EXTRA ACTIVITIES

### RFSL, DHARAMSHALA

S.No.	Name & Designation	Activity
1.	Dr. Arun Sharma, Deputy Director	<ul style="list-style-type: none"><li>▪ Chaired Scientific Session “Criminalistics I” in two days National Symposium on Education &amp; Research Forensic Science: Issues &amp; challenges at PU Patiala on 15&amp; 16th March 2012.</li><li>▪ Attended Meeting at PTC Daroh on 27.2.12.</li><li>▪ Attended Meeting at SFSL Junga for preparation of Result Frame Document &amp; E. governance.</li><li>▪ An Examiner for Practical &amp; Viva Voce examination in Department of Forensic Science at PU Patiala on 3.8.11.</li><li>▪ Deliberations at CSK HPKV Palampur under programme “INSPIRE 2011” funded by DST / DOI</li><li>▪ Member of Inspection Committee constituted by Dept. of Science &amp; Technology &amp; Environment GOVT. of HP in connection with opening of course Mater of Science in Biotechnology at Chamba on 26-4-2012.</li><li>▪ Guided PhD Student in preparing research project</li><li>▪ Lectures were delivered at RFSL, Dharamshala, Police Line Sakoh, PTC Daroh and TTR Shimla.</li><li>▪ Transfer of land for staff quarters and proposal at different levels.</li><li>▪ Submitted proposal for the purchase of equipments under plan scheme for the period 2012 to 2017.</li><li>▪ Examined and reported 148 liquor cases in Chemistry and Toxicology Division.</li><li>▪ Examined and reported 10 cases in Biology and Serology Division.</li><li>▪ Examined and reported 01 case of DNA analysis submitted at DNA Division of State FSL, Junga.</li></ul>

2.	Dr Meenakshi Mahajan Assistant Director	<ul style="list-style-type: none"> <li>▪ Chaired Scientific Session “Criminalistics II” in two days National Symposium on Education &amp; Research Forensic Science: Issues &amp; challenges at PU Patiala on 15 &amp;16th March 2012.</li> <li>▪ Radio talk on Forensic Science at AIR Dharmshala in December 2011.</li> <li>▪ Lectures were delivered at RFSL, Dharamshala, and PTC Daroh.</li> <li>▪ Examined and reported 05 cases in Document and Photo Division of State FSL, Junga.</li> </ul>
3.	Dr. Neeti Prakash Dubey	<ul style="list-style-type: none"> <li>▪ Attended Meeting at SFSL Junga for preparation of Result Frame Document from 27 to 28 Feb. 2012.</li> </ul>

### TRAININGS ORGANIZED

Following courses were organised by the State Forensic Science Laboratory, H.P. Junga during 2011-2012:

- **JUDICIAL OFFICERS**

Course Title	No. of Participants
Induction Training Programme for newly appointed Judicial Officers of Himachal Pradesh w.e.f. 13/02/2012 to 18/02/2012.	01
<b>Total No. of Participants</b>	<b>01</b>

### COURSE FOR INVESTIGATION OFFICERS OF POLICE

Course Title/Course Director	No. of Participants
Course on Scientific Investigation of Crime for the Investigation Officers of Police from 18/04/2011 to 30/04/2011.  <b>Course Director:</b> <b>Dr. B.R. Rawat, Assistant Director</b>	38

1. Course on “Scientific Aid to Investigation” in State Police Duty Meet-2011 at State Forensic Science Laboratory Junga w.e.f. 16/09/11 to 21/09/11.	16
2. Course on “Scientific Aid to Investigation” w.e.f. 02/01/12 to 13/01/12 for the I.O.’s of Southern Range.  <b>Course Director: Dr. Vijay Singh Jamwal, Assistant Director</b>	22
Course on Scientific Investigation of Crime for the Investigation Officers of Police from 11/07/2011 to 23/07/2011.  <b>Course Director: Dr. G.C. Thakur, Assistant Director</b>	26
Course on Scientific Investigation of Crime for the Investigation Officers of Police from 10/10/2011 to 22/10/2011.  <b>Course Director: Sh. Visheshwar Sharma, Assistant Director</b>	25
Competition of Photography and Videography for Annual Duty Meet competition in Scientific Aids from 16/12/2011 to 21/12/2011.  <b>Course Director: Dr. Jagjeet Singh, Scientific Officer</b>	08
<b>Total No. of Participants</b>	<b>135</b>

#### INTERNSHIP TRAINEES

Title	No. of Participants
<b>Chemistry &amp; Toxicology Division, State FSL H.P., Junga:</b>	
<ul style="list-style-type: none"> <li>▪ Student of M.Sc. Forensic Science from Dr. Harisingh Gour Vishwavidyalaya, Sagar, M.P. w.e.f. 07/07/2011 to 04/08/2011.</li> </ul>	01
<ul style="list-style-type: none"> <li>▪ Sr. Scientific Assistant from Forensic Science Laboratory, Dehradun, Uttrakhand was imparted training on “Toxicological Analysis” w.e.f. 02/02/2012 to 10/02/2012.</li> </ul>	01

<b>Biology and Serology Division, State FSL H.P. Junga. :</b>	
<ul style="list-style-type: none"> <li>▪ Students of B.Tech from Lovely Professional University, Jalandhar w.e.f. 01/04/2011 to 30/04/2011.</li> </ul>	02
<ul style="list-style-type: none"> <li>▪ Student of M.Sc. (Forensic Science) from Amity University, Noida w.e.f. 18/05/2011 to 18/06/2011.</li> </ul>	01
<ul style="list-style-type: none"> <li>▪ Students of M.Sc. (Anthropology) from Panjab University, Chandigarh from 01/06/2011 to 30/06/2011.</li> </ul>	01
<ul style="list-style-type: none"> <li>▪ Student of M.Sc. (Forensic Science) from Panjab University, Chandigarh w.e.f. 01/06/2011 to 30/06/2011.</li> </ul>	02
<ul style="list-style-type: none"> <li>▪ Students of B.Tech from Lovely Professional University, Jalandhar w.e.f. 10/06/2011 to 30/06/2011.</li> </ul>	01
<ul style="list-style-type: none"> <li>▪ Student of M.Sc. (Forensic Science) from Panjab University, Chandigarh w.e.f. 24/06/2011 to 30/06/2011.</li> </ul>	03
<ul style="list-style-type: none"> <li>▪ Student of M.Sc. (Forensic Science) from Panjab University, Chandigarh w.e.f. 26/12/2011 to 13/01/2012.</li> </ul>	01
<ul style="list-style-type: none"> <li>▪ Students of M.Sc. B.Tech. from Abhilashi Institute, Sundernagar, Mandi w.e.f. 05/01/2011 to 31/01/2012.</li> </ul>	01
<b>DNA Division, State FSL H.P. Junga:</b>	06
<ul style="list-style-type: none"> <li>▪ Students from Panjab University, Chandigarh were imparted training in various techniques of Forensic DNA examination in the DNA division.</li> </ul>	
<ul style="list-style-type: none"> <li>▪ Students of Shoolini Institute of Life Sciences and Business Management, Solan.</li> </ul>	02
<ul style="list-style-type: none"> <li>▪ Students from Abhilashi Institut, Mandi were imparted training on Forensic DNA.</li> </ul>	02
<ul style="list-style-type: none"> <li>▪ Student from Amity University, Noida.</li> </ul>	01
<b>Total No. of Participants</b>	<b>25</b>

**Following courses were organised by the Regional Forensic Science Laboratory, Mandi, H.P. during 2011-2012:**

- Dr Rajesh Verma, Deputy Director organized 3 training courses in Forensic Science for the IOs of Central Police Range.
- One month training on Forensic Science titled “Winter Training Course” was imparted to two M.Sc. students of Abhilashi Institute of Life Sciences, Ner-Chowk, Distt. Mandi (HP) w.e.f. 5.1.12 to 4.2.12 in Biology & Serology

Division under the technical guidance of Sh. Tek Chand, Assistant Director to fulfill the partial requirement for the award of M.Sc. degree.

**Following courses were organised by the Regional Forensic Science Laboratory, Dharamshala, H.P. during 2011-2012:**

- **Four** courses- Two weeks training for sub cadre of investigating Officers of the Northern Range in '**Forensic Science**'
  1. w.e.f 23-05-2011 to 04-06-2011
  2. w.e.f. 23-08-2011 to 05-09-2011
  3. w.e.f. 23-11-2011 to 03-12-2011
  4. w.e.f. 27-02-2012 to 10-03-2012
- **Workshop:** One day workshop on '**Digital Investigation**' for S.P's and other G.O.'s of Northern Range including SV&ACB, CID, APT and PTC Daroh.

#### **RESEARCH AND DEVELOPMENT**

- **Dr. J.R. Gaur, Director, State FSL H.P.:**
  - i. Worked as member of Bill Draft Committee on Forensic Act as nominated by Government of India on behalf of all the States of the Country.
  - ii. Worked as Examiner of M.Sc. Forensic Science and P.G. Diploma in Forensic Science for Panjabi University Chandigarh, Panjabi University Patiala, Maharishi Daya Nand University Rohtak, Kurukshetra University Kurukshetra and PTC Daroh for Promotional Courses and HIPA for DE in Forensic Science.
  - iii. Supervised the work of one Ph.D student of Punjabi University Patiala as Co-guide in Forensic Entomology.
  - iv. Worked as member Editorial Board of the Indian Police Journal and the Anthropologist Journal (both international journals).
  - v. Delivered invited talks one on Narcotics Drugs & Psychotropic Substances at the National Institute of Criminology and Forensic Science Govt. of India, New Delhi and another on Aircraft Accidents Investigation at UPES Dehradun.
- **Dr. Aparna Sharma, Assistant Director, DNA division:**
  - i. Acted as Co-chairperson in the scientific session "**Human Genotoxicity and Clinical Genetics**" in national Seminar on **Contemporary issues in Human Biology in the 21<sup>st</sup> Century** from 31<sup>st</sup> March, 2011 to 1<sup>st</sup> April, 2012 organized by the **Department of Human Biology, Punjabi University, Patiala.**

- ii. Conducted viva-voce examination of dissertations of M.Sc. II students of the Department of Human Biology, Punjabi University, Patiala.

▪ **Dr. Vivek Sahajpal, Assistant Director, DNA division:**

- i. Prepared the Manual of Standard Operation Procedures for DNA division which is a requirement for **ISO 17025 Accreditation by National Accreditation Board for Testing and Calibration Laboratories (NABL)**.
- ii. Co-authored a book titled “**Species identification from guard hair of selected Indian Mammals: A reference Guide**” which has been published by the Wildlife Institute of India (Ministry of Environment and Forests, Government of India). (Ministry of Environment and Forests, Government of India) for use by Wildlife Crime Investigation agencies and Forensic Laboratories by the funding of TRAFFIC (Trade Records Analysis of Flora and Fauna in Commerce – A joint programme of World Wide Fund for Nature (WWF) & the World Conservation Union (IUCN) and DEFRA( Department of Environment, Food and Rural Affairs, Government of United Kingdom).
- iii. Prepared Quality Manual for SFSL, Junga for ISO 17025 Accreditation.

▪ **Sh. Rajat Chaudhary, Scientific Assistant, Document & Photography :**

Examined and reported one scene of crime case FIR No. 78/12 dated 17/03/2012 u/s 379, 304A IPC, 187 MV Act PS Baddi.

**SCENE OF CRIME ATTENDED BY STATE FORENSIC SCIENCE LABORATORY AND REGIONAL LABORATORIES, HIMACHAL PRADESH**

	<b>State Forensic Science Laboratory, Junga</b>	<b>Regional Forensic Science Laboratory, Dharmshala</b>	<b>Regional Forensic Science Laboratory, Mandi</b>
Scene of Crime Attended	21	60	34

**COURT EVIDENCES GIVEN BY OFFICERS/OFFICIALS**

**STATE FSL H.P. JUNGA**

<b>S. No.</b>	<b>Name &amp; Designation of Officer/Official</b>	<b>Number of Court evidences</b>
1.	Dr. J.R. Gaur, Director	01
2.	Dr. Meenakshi Mahajan, Assistant Director	25

3.	Dr. Vijay Singh Jamwal, Assistant Director	25
4.	Dr. G. C. Thakur, Assistant Director	15
5.	Sh. Visheshwar Sharma, Assistant Director	16
6.	Dr. Aparna Sharma, Assistant Director	01
7.	Dr. Vivek Sahajpal, Assistant Director	01
8.	Sh. Kapil Sharma, Assistant Director	26
9.	Sh. Chamam Lal, Scientific Officer	20
10.	Sh. Ajay Sehgal, Scientific Officer	09
11.	Sh. Nasib Singh, Scientific Officer	16
12.	Dr. Jagjeet Singh, Scientific Officer	03
13.	Smt. Ayesha Patial, Scientific Officer	01

**RFSL, DHARAMSHALA**

<b>S. No.</b>	<b>Name &amp; Designation of Officer/Official</b>	<b>Number of Court evidences</b>
1.	Dr. Arun Sharma, Deputy Director	03
2.	Dr. Meenakshi Mahajan, Assistant Director (29/11/2011 to 31/03/2011)	20
3.	Sh. Visheshwar Sharma, Assistant Director (01/04/2011 to 22/09/2011)	13
4.	Dr. Neeti Prakash Dubey, Assistant Director	04
5.	Sh. Ajay Sehgal, Scientific Officer	09
6.	Sh. Mam Raj Sharma, Scientific Officer	03

**RFSL, MANDI**

<b>S. No.</b>	<b>Name &amp; Designation of Officer/Official</b>	<b>Number of Court evidences</b>
1.	Dr. Rajesh Verma, Deputy Director	06
2.	Dr. B.R. Rawat, Assistant Director	08
3.	Sh. Rajesh Kumar, Assistant Director	08
4.	Sh. Tek Chand, Assistant Director	04
5.	Sh. Dev Raj Kalia Scientific Assistant	01

**CASE STATISTICS OF THE STATE FORENSIC SCIENCE LABORATORY,  
HIMACHAL PRADESH, JUNGA 2011-2012**

<b>Name of Division</b>	<b>No. of cases pending at beginning (A)</b>	<b>No. of cases received during the period (B)</b>	<b>Total no. of cases (C=A+B)</b>	<b>No. of cases disposed off during the period (D)</b>	<b>No. of cases pending at the end (E=C-D)</b>
Biology and Serology	54	517	571	543	28
Chemistry and Toxicology	77	803	880	825	55
Physics and Ballistics	25	182	207	194	13
Documents and Photography	21	251	272	232	40
NDPS	20	571	591	582	09
DNA	50	202	252	157	94
<b>Total</b>	<b>247</b>	<b>2526</b>	<b>2773</b>	<b>2533</b>	<b>240</b>

**CASE STATISTICS OF THE REGIONAL FORENSIC SCIENCE LABORATORY,  
DHARMSHALA 2011-2012**

Name of Division	No. of cases pending at beginning (A)	No. of cases received during the period (B)	Total no. of cases (C=A+B)	No. of cases disposed off during the period (D)	No. of cases pending at the end (E=C-D)
Biology and Serology	06	185	191	172	19
Chemistry and Toxicology	52	718	770	721	49
Documents and Photography	20	141	161	155	06
Excise (Liquor) Cases	46	707	753	533	220
<b>Total</b>	<b>124</b>	<b>1751</b>	<b>1875</b>	<b>1581</b>	<b>294</b>

**CASE STATISTICS OF THE REGIONAL FORENSIC SCIENCE LABORATORY,  
MANDI 2011-2012**

Name of Division	No. of cases pending at beginning (A)	No. of cases received during the period (B)	Total no. of cases (C=A+B)	No. of cases disposed off during the period (D)	No. of cases pending at the end (E=C-D)
Biology and Serology	05	173	178	160	18
Chemistry and Toxicology	33	709	742	683	59
Physics & Ballistics	07	158	165	160	05
<b>Total</b>	<b>45</b>	<b>1040</b>	<b>1085</b>	<b>1003</b>	<b>82</b>

## RESEARCH PAPERS PUBLISHED

Various scientific research papers were written by the scientists of this laboratory during the year 2011-2012. The details of research papers/abstracts published, presented and communicated for publication are given below:

### LIST OF RESEARCH PAPERS PUBLISHED / PRESENTED/COMMUNICATED BY DIFFERENT SCIENTISTS

SNo	Name of Author(s)	Title of the Research Paper	Remarks
1.	Gaur, J.R. (2011)	Investigation of Railway Accidents	The Indian Police Journal, Volume L VIII, No. 3, pp. 79083
2.	Sharma, Arun (2011)	Human body in parts on a railway trace: homicide, suicide or accident.	An Abstract
3.	Sharma, Arun (2011)	Fire in a Petrol Tanker due to static electricity: A case Study.	An abstract has been published in the National Symposium on Education and Research in Forensic Science: Issues and Challenges organized by the Department of Forensic Science, Punjabi University, Patiala, Punjab.
4.	Verma, Rajesh Patial, N.S. (2011)	Identification of toolmarks of a sickle on a telephone cable.	Accepted for publication in the Journal of Forensic Sciences, USA.
5.	Rawat, B.R. (2012)	Paper Head Space Chromatography (HS-GC) Analysis of post mortem unpreserved blood samples and identification of volatiles produced.	Accepted for oral presentation in the International Symposium on recent advanced in chromatography sciences and green chemistry organized by Indian Society of analytical scientist (ISAS w.e.f. 12/01/2012 to 14/01/2012)
6.	Rawat, B.R. (2011)	Analysis of body fluids by Head Space-Gas Chromatography in illicit Liquor poisoning.	Accepted for publication by the Indian Journal of Forensic Medicine and Toxicology.
7.	Mahajan, Meenakshi (2011)	1. Cell Phone: A vital clue 2. Examination of coins buried in earthen pot. 3. Studies on security features of Japanese Yen, American Dollar and Indian Rupee.	Abstracts published
8.	Mahajan, Meenakshi (2011)	Examination of US Dollar Bank Notes	Research paper communicated for publication.
9.	Sharma, Aparna (2012)	Identification of skeletal remains of a child.	Presented at the National Seminar on Contemporary Issues in Human

Biology in the 21<sup>st</sup> Century from 31<sup>st</sup> March, 2011 to 1<sup>st</sup> April, 2012 organized by the Department of Human Biology, Punjabi University, Patiala.

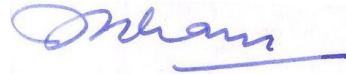
10. Bahuguna, A, Species identification from guard Wildlife Institute of India, **Sahajpal,** hair of selected Indian Mammals: Dehradun, pp. 447. ISBN 81- V.,Goyal, A reference Guide. 85496-24-2. S.P.,Mukherjee ,S.K.Thakur, V. (2010)
11. Dubey, Neeti Drug facilitated sexual assault: Abstract published. Prakash Challenge to Forensic Toxicology. (2011)
12. Singh, Jagjeet Physical Examination of Photocopied Documents. Published in the journal of Forensic Identification. (2011)
13. Chaudhary, 1. Cell Phone: A vital clue Abstracts published Rajat 2. Studies on security features of Japanese Yen, American Dollar and Indian Rupee. (2011)
14. Chaudhary, Examination of US Dollar Bank Notes Research paper communicated for Rajat publication. (2011)

#### HONOURS AND AWARDS AND APPRECIATIONS

- **Dr. Vivek Sahajpal, Assistant Director, DNA division, State FSL H.P. :** Has been offered for publication of his Ph.D. thesis in form of a Printed Book by **LAP LAMBERT Academic Publishing VmbH & Co. Saarbrücken, Germany.** The thesis is one of the pioneering work in field of Wildlife Forensics and Genetics.
- **Sh. Rajesh Kumar, Assistant Director, Physics & Ballistics, RFSL Mandi:** Received appreciation from the Superintendent of Police, Bilaspur in solving clueless criminal case FIR No. 39/11 dated 28/05/2011 to connect the two trucks to the case by applying the chemical etching method during the scene of crime visit and for showing devotion to duty and high sense of professional responsibility.
- **Sh. Chander Kant, Scientific Assistant, Physics & Ballistics, RFSL, Mandi:** Received appreciation from the Superintendent of Police, Bilaspur for the cooperation extended to the District Police to resolve the clueless cases during the year 2011.

## **FUTURE VISION.**

**Keeping pace with the recent developments in Science & Technology which can be used in crime investigation and the administration of justice providing un-delayed quality reports in crime cases and immediate forensic assistance at the scenes of crime is the future vision of the State Forensic Science Laboratory, Himachal Pradesh. Not only this, we are committed to introduce high tech machines as deterrents to contemporary criminals and to provide all scientific assistance to the criminal justice system in the state.**



Director

State Forensic Science Laboratory,  
Himachal Pradesh, Junga- 171218.