

FOR OFFICIAL USE ONLY

Annual Administrative Report



2005

**STATE FORENSIC SCIENCE LABORATORY
HIMACHAL PRADESH, JUNGA-173216**

PREFACE

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 constantly introducing modern scientific technology in the State Forensic Science Laboratory, Himachal Pradesh. The year 2005 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.

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 undelayed 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. 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 – 173216*

INTRODUCTION

Himachal Pradesh got full statehood on 25th January 1971 and since then the State has progressed by leaps and bounds. During 1988 the State Government felt the necessity of having its own State Forensic Science Laboratory so as to become self reliant in the application of science in crime investigation and the administration of justice. Thus, State Forensic Science Laboratory, Himachal Pradesh was established in 1988 at Shimla with basic infrastructure of Biology and Serology, Chemistry and Toxicology Divisions. Two more Divisions including four specialties that is, Documents and Photography, Physics and Ballistics were added to this laboratory by the State Govt. in 1997, which became functional in the subsequent years. The laboratory was shifted to Junga at the present location in December 2004, where it is functioning at present.



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, Ban and other trees. The temperature of the site ranges between 4⁰ C in winter to 35⁰ C in summer.

INFRASTRUCTURE

The laboratory buildings of State Forensic Science Laboratory, Himachal Pradesh, Junga have covered area of about 28000 square feet. However, further expansion is under way for the existing and additional divisions /specialities.

The laboratory has following four scientific Divisions:

- i. Biology & Serology Division.
- ii. Chemistry & Toxicology Division.
- iii. Physics & Ballistics Division.
- iv. Documents & Photography 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. However,

for adopting innovations of science and technology in Forensic Sciences continuous efforts are being made by the department.

The laboratory has sixty-seven sanctioned posts of scientific and supporting staff. The detailed staff position is given in Annexure-I and the organisational chart appended as Annexure-II.

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 laboratory at present.

FORENSIC FACILITIES IN THE DISTRICTS

All Police Stations in the State have been provided with Motorcycles alongwith kits and materials and modern scientific equipments to investigate the crime cases with scientific methods. The investigating officers from all the twelve districts of the State have been imparted appropriate training of scientific Aids to Investigation by the State Forensic Science Laboratory during the previous year.

WORKING OF STATE FORENSIC SCIENCE LABORATORY

The scientists of the laboratory are examining the exhibits sent by the Investigating Agencies in different crime cases and submitting their reports. They are also attending scenes of crime all over the State of Himachal Pradesh and appear for Court evidences, whenever summoned for the purpose. Besides, they have been imparting Forensic Training to the Gazetted Officers of Police, Prosecution, Judiciary and Medical Officers of the Health Department in the previous years. The non-Gazetted Police ranks (150 persons) have also been trained in six courses during the current year.

Services of the scientists of the laboratory have also been utilised for teaching and training purposes by the State CID H.P., Police Training College, Dahrongarh, Panjabi university Patiala, P.U. Chandigarh, Indira Gandhi Medical College Shimla, Law Deptt. H.P. University Shimla, Govt. Ayurvedic College Paprola, H.P and Uttranchal Police. Not only this, for exposing the common masses to the knowledge of the Forensic Sciences, Director of the laboratory and Assistant Director (Document & Photography) have also delivered radio talks from All India Radio, Shimla. This programme has been under taken keeping in view that the public should know do's and don'ts at the scenes of crime. It will help protecting scenes of crime till examination by police and the experts.

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 also assisted the Union Public Service Commission, New Delhi in selections in Forensic Sciences.

The crime cases reported, lectures delivered, courses and conferences attended are given in Annexure-III & IV.

EQUIPMENTS

Every year the laboratory has been adding useful major and minor scientific equipments to its various divisions, keeping in view the advancements in the Science and Technology. The list of the major equipments available with the laboratory is given in Annexure-V.

WORKING OF BIOLOGY AND SEROLOGY DIVISION

This division carried out the examinations of the following types of evidentiary clues in different crime cases for identification and comparison.

- Blood, semen and saliva.
- Vomit, faecal matter.
- Skin in burnt bodies.
- Bone (Animal and Human) Age, sex and stature in respect of human bones.
- Superimposition cases for establishing identity.
- Hair (animal & human).
- Maggots.
- Wood and Plant Products.

Routinely, species of origin & ABO blood grouping tests are carried out in crime cases. However the laboratory has also got the expertise in rare blood groups and enzyme typing. Cases are being referred to CFSL, Kolkatta and CFSL Chandigarh for DNA typing in gang rape cases (mixed body fluid stains) and in identity problems. A few paternity and other cases have also been referred to CFSL Chandigarh for DNA profiling. It is planned to establish our own DNA typing facilities in State FSL in future.

WORKING OF CHEMISTRY AND TOXICOLOGY DIVISION

This 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 alkalies in personal injury cases.

- Grease, Wax, natural oils and resins.
- Trap case samples in bribery cases.
- Hooch tragedy cases.
- Cosmetics examination.
- Examination of Drugs and organic dyes.

It may be mentioned that in Himachal Pradesh the use of insecticides and pesticides by farmers on the horticultural crops is enormous. Such poisons are accessible to the common man and maximum human poisoning/deaths take place by the use of these poisons. There is heavy workload of toxicology cases in the State due to poisoning and accident cases every year. As per existing workload the division needs to be supported by one additional unit of manpower for toxicology cases and another unit of staff for NDPS cases. Efforts are on to start NDPS Division in this laboratory in near future.

WORKING OF PHYSICS & BALLISTICS DIVISION

The division started receiving crime cases for laboratory examination in the year, 1999. In the year 2000 maximum number of cases pertained to Ballistics, cables/wires and fire related cases. This trend has continued this year also. 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 in which such types of firearms are involved. In fire related cases, queries are directed towards ascertaining the possible short-circuiting or other wise by examination of electric wires. In addition to the above cases pertaining to cables, soil, paint, glass, cut marks, tool-marks and foot/shoe-prints are also being examined in the division. The examination of building materials in this division has also been started in this division.

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 and cutmarks.
- Firearms examination.
- Cartridge and bullets comparisons and firearm identification.
- Building Materials.
- Restoration of numbers in vehicular theft cases.

WORKING OF DOCUMENTS & PHOTOGRAPHY DIVISION

Document and Photography division started functioning from October 2000. During the period 2005, the division examined the cases pertaining to 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. The division also carried out the work of examination of stamps/seals. Besides this photography work was done inside the laboratory for the crime case exhibits and also at the scenes of crime. Efforts have also been made in respect of examination of ink in some cases. Following works were carried out by this Division during the year 2005:

- 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.

SCENES OF CRIME

In total 13 scenes of crime were attended and reports were given during the year 2005 by various officers of the State FSL (H.P). The cases pertained to thefts, Homicides, Suicides, Accidents, Fires and Explosions. The scenes of crime re-constructions were carried out in several cases. The details of scenes of crimes attended are given in Annexure-VI

COURT EVIDENCES

The experts from the laboratory attended 72 cases for court evidences in various courts of law in H.P. as shown in Annexure-VII.

RESEARCH AND DEVELOPMENT

08 Research papers/articles were presented/published from this laboratory in various books/journals and conferences during the year 2005(see Annexure-VIII).

BUDGET

During the financial year 2005-2006 Himachal Pradesh Govt. sanctioned a sum of Rs. **1,10,84,000/-**(Part I & II) for this laboratory (see Annexure –IX).

TRAINING

- (a.) 04 Officers/officials were sent for training from State FSL (H.P) during the year 2005. The details are given in Annexure – IV.
- (b.) Following courses were organised by State Forensic Science Laboratory:

| <u>Course</u> | <u>No. of persons Trained.</u> |
|---|--------------------------------|
| i.) Finger Prints and Foot Prints | = 28 |
| ii.) Scientific Techniques to Detect Crime | = 26 |
| iii.) Forensic Physics & Ballistics | = 29 |
| iv.) Investigation course for Graduate Lower pass candidates | = 28 |
| v.) Course on "Scientific Techniques to detect crime" | = 23 |
| vi.) Investigation course for graduates (lower pass candidates) | = 16 |
| | ----- |
| Total | = 150 |
| | ----- |

- (c.) Also imparted training to the trainees of State Police Duty Meet and All India Police Meet – 2005.

SCIENTIFIC COMPETITIONS CONDUCTED /SCIENTIFIC SESSIONS CHAIRED

1. A team headed by Dr. B. R. Rawat, Assistant Director, (Chemistry & Toxicology) conducted Scientific Aids to Investigation competition of H.P. State Police Duty Meet 2005.
2. Dr. J.R. Gaur, Director, State Forensic Science Laboratory, Himachal Pradesh chaired scientific session on Biological sciences in the 17th All India Forensic Science Conference at Raipur (Chhatisgarh) from 09/11/2005 to 11/11/2005.

VISITORS

The following eminent personalities visited the State F.S.L. (H.P) during 2005 and witnessed the working of the laboratory.

- Sh. Ajit Narayan, IPS, Director General of Police, Himachal Pradesh, Shimla.
- Sh. I.D. Bhandari, IPS, Inspector General of Police, State CID, Himachal Pradesh, Shimla.
- Sh. Probodh Saxena, IAS, Secretary Home & Director Vigilance, Govt. of Himachal Pradesh
- Sh. D.D. Sharma, HAS, Joint Secretary (Home), Govt. of H.P.
- Sh. N.S. Bharwal, Under Secretary (Home), Govt. of H.P.
- Dr. Manoj Agrawal, Scientist, Uttranchal State Forensic Science Laboratory, Dehradun.
- Sh. Arvind Chaudhry, Deputy Superintendent of Police, Mandi.
- Sh. C.J. Erwin and Dr. Kewal Krishan respectively Reader and Lecturer from Department of Anthropology, Punjab University, Chandigarh.
- Lt. Col. K. S. Chauhan from Himachal Pradesh Boys Battalion NCC Solan.
- Sh. A.N. Sharma, IPS, Deputy Inspector General of Police, Administration, Police Headquarters, Shimla.

HONOURS AND AWARRDS

Dr. J.R. Gaur, Director State Forensic Science Laboratory, Himachal Pradesh, received Appreciation letter from the Principal Secretary Home, to the Government of Himachal Pradesh in recognition of the work done for getting Forensic Science Excellence National award 2003 of the Union Home Ministry, Govt of India, New Delhi.

MEETINGS ATTENDED

48 meetings were attended by the Director, State Forensic Science Laboratory, Himachal Pradesh in Police Headquarters, State CID and H.P. Secretariat. Assistant Director's of the laboratory also attended meetings at Shimla whenever, they were summoned for purpose.

GRANT OF FELLOWSHIP

Dr. Meenakshi Mahajan, Assistant Director, Document & Photography was selected for Matsumac International Foundation fellowship to pursue further research.

RELEASE OF BOOK ON FORENSIC SCIENCE

The book titled "Nayayalik Vigyan – Ek Parichay" in Hindi written by Dr. J.R. Gaur, Director, State Forensic Science Laboratory, Himachal Pradesh was released by the Hon'ble Chief Minister, Chhatisgarh and other dignitaries in the valedictory function of the XVIIth All India Forensic Science Conference at Raipur on 11/11/2005.

IMPORTANT EVENTS

1. His Excellency the Governor of Himachal Pradesh was pleased to place the Administrative control of the State Forensic Science Laboratory, Himachal Pradesh directly under Home Department vide Notification No. Home (A) B (12)/3/24 dated 29/10/2005
2. The Govt of Himachal Pradesh constituted Forensic Science Development Board in the State Vide Notification No. Home (A) B (12)/3/94 dated 09/12/2005 under the chairmanship of the Hon'ble Chief Minister of Himachal Pradesh.

Director
State Forensic Science Laboratory,
Himachal Pradesh, Junga- 173216

ANNEXURE-I

STAFF POSITION

A-SCIENTIFIC

| SL.NO. | POST | SANCTIONED | FILLED | VACANT |
|--------|----------------------|------------|--------|--------|
| 1. | Director | 1 | 1 | - |
| 2. | Assistant Director | 4 | 4 | - |
| 3. | Scientific Officer | 4 | 4 | - |
| 4. | Scientific Assistant | 6 | 6 | - |
| 5. | Laboratory Assistant | 10 | 7 | 3 |
| 6. | Laboratory Attendant | 10 | 9 | 1 |

B-MINISTERIAL

| | | | | |
|----|---------------------------|---|---|---|
| 1. | Superintendent | 1 | 1 | - |
| 2. | Senior Assistant | 2 | 2 | - |
| 3. | Junior Scale Stenographer | 2 | 2 | - |
| 4. | Clerks | 4 | 4 | - |
| 5. | Steno-typists | 4 | 3 | 1 |
| 6. | Computer clerk | 1 | 1 | - |
| 7. | Sweeper | 2 | 1 | 1 |
| 8. | Mali | 1 | 1 | - |
| 9. | Peons | 7 | 7 | - |

C-EXECUTIVE

| | | | | |
|--------------|-----------------------------|-----------|-----------|----------|
| 1. | Head Constable (I/C Guard) | 1 | 1 | - |
| 2. | Constables (Guard) | 4 | 4 | - |
| 3. | Constable Driver | 3 | 3 | - |
| Total | | 67 | 62 | 5 |

**ORGANISATIONAL CHART
STATE FORENSIC SCIENCE LABORATORY, HIMACHAL PRADESH**

DIRECTOR – 1

| BIOLOGY & SEROLOGY DIVISION | CHEMISTRY & TOXICOLOGY DIVISION | OFFICE | PHYSICS & BALLISTICS DIVISION | DOCUMENTS & PHOTOGRAPHY DIVISION |
|--|--|----------------------|--|---|
| 1 | 2 | 3 | 4 | 5 |
| AD =01 | AD =01 | Supdt. Gd-II =01 | AD =01 | AD =01 |
| SO =01 | SO =01 | Sr. Asstt. =02 | SO =01 | SO =01 |
| SA =02 | SA =02 | Jr. Scale Steno. =02 | SA =01 | SA =01 |
| LA =03 | LA =03 | Clerks =04 | LA =02 | LA =02 |
| Lab. Attd. =03 | L.Attd. =03 | Steno. typist =04 | L. Attd. =02 | L.Attd. =02 |
| | | Computer =01 | | |
| | | HC Guard =01 | | |
| | | Constables =04 | | |
| | | Const. Driver =03 | | |
| | | Peon =07 | | |
| | | Mali =01 | | |
| | | Sweeper =02 | | |

The *abbreviation* stand for AD-Assistant Director, SO-Scientific Officer, SA-Scientific Assistant, LA- Laboratory Assistant and Lab. Attd.- Laboratory attendant.

ANNEXURE-III

**CASE STATISTICS OF THE STATE FORENSIC SCIENCE LABORATORY,
HIMACHAL PRADESH, JUNGA DURING 2005**

| Name of Division | No. of cases pending at beginning (A) | No. of cases received during the year (B) | Total no. of cases (C=A+B) | No. of cases disposed off during the year (D) | No. of cases pending at the end of year. (E=C-D) |
|--------------------------|--|--|-------------------------------|--|---|
| Biology & Serology | 34 | 381 | 415 | 373 | 42 |
| Chemistry & Toxicology | 315 | 1254 | 1569 | 1228 | 341 |
| Physics & Ballistics | 22 | 138 | 160 | 136 | 24 |
| Documents & Photography* | 16 | 206 | 222 | 178 | 44 |
| Total | 387 | 1979 | 2366 | 1915 | 451 |

* Indoor photography of case exhibits in the laboratory and outdoor photography at the scene of crimes was also done by this division in 189 cases.

ANNEXURE-IV

**LECTURES DELIVERED BY OFFICERS/OFFICIALS
STATE FORENSIC SCIENCE LABORATORY DURING 2005**

| Sl. No. | Name & Designation of Officer/Official | Number of lectures delivered on Forensic Science |
|----------------|---|---|
| 1. | Dr. J. R. Gaur, Director | 52 |
| 2. | Dr. Arun Sharma, Assistant Director | 12 |
| 3. | Dr. B. R. Rawat, Assistant Director | 12 |
| 4. | Dr. Meenakshi Mahajan, Assistant Director | 12 |
| 5. | Dr. Rajesh Kumar, Assistant Director | 16 |
| 6. | Dr. V. S. Jamwal, Scientific Officer | 07 |
| 7. | Dr. G. C Thakur, Scientific Officer | 10 |
| 8. | Sh. Rajesh Kumar, Scientific Officer | 17 |
| 9. | Sh. Visheshwar Sharma, Scientific Officer | 07 |
| 10. | Sh. Chaman Lal Sharma, Scientific Assistant | 05 |
| 11. | Sh. Ajay Segal, Scientific Assistant | 07 |
| 12. | Sh. Mam Raj, Scientific Assistant | 06 |
| 13. | Sh. Hari Krishan Bhardwaj, Scientific Assistant | 03 |
| 14. | Sh Laxmi Dutt, Scientific Assistant | 06 |

COURSES CONDUCTED

| Sl.No. | Name of Course. | Date | Course Director |
|---------------|--|--------------------------------|---|
| 1. | One week course on "Finger Prints and Foot Prints" | 02/05/2005 to 07/05/2005 | Dr. Arun Sharma, Assistant Director, Biology & Serology |
| 2. | One Week course on "Scientific Techniques to detect crime" | 13/06/2005 to 18/06/2005 | Dr. B.R. Rawat, Assistant Director, Chemistry & Toxicology |
| 3. | Four days (04) course on Forensic Physics & Ballistics | 04/07/2005 to 07/07/2005 | Dr. Rajesh Kumar, Assistant Director, Physics & Ballistics |
| 4. | Investigation course for graduates (lower pass candidates) | 22/08/2005 to 25/08/2005 | Sh. Visheshwar Sharma, Scientific Officer, Document & Photography |
| 5. | One Week course on "Scientific Techniques to detect crime" | 19/09/2005 to 24/09/2005 | Dr. V.S. Jamwal, Scientific Officer, Chemistry & Toxicology |
| 6. | Investigation course for graduates (lower pass candidates) | 26/12/2005 to 31/12/2005 | Dr. Meenakshi Mahajan, Assistant Director, Document & Photography |

COURSES ATTENDED BY THE SCIENTIFIC STAFF

| S.No. | Name and Designation | Date | Course name and venue |
|-------|---|--------------------------------|---|
| 1. | Sh. Rajesh Jamwal, Laboratory Assistant | 07/02/2005 to 11/02/2005 | Pesticides Residue Analysis in Biological Matrix at NICFS New Delhi |
| 2. | Sh. Ravinder Attri, Laboratory Assistant | 14/02/2005 to 18/02/2005 | Detection of Phosphene Toxicity in Biological fluids at CFSL Hyderabad. |
| 3. | Sh. Rajesh Kumar, Scientific Officer | 25/04/2005 to 29/04/2005 | Application of statistics and use of data in Government at HIPA. |
| 4. | Sh. Rajesh Kumar, Scientific Officer | 12/12/2005 to 14/12/2005 | Application of statistics and use of data in Government at HIPA |
| 5. | Dr. Rajesh Kumar, Assistant Director | 12/12/2005 to 14/12/2005 | Application of statistics and use of data in Government at HIPA. |

CONFERENCES/MEETINGS/SEMINARS ATTENDED

| S.No. | Name and Designation | Date | Remarks |
|-------|---|--------------------------------|--|
| 1. | Dr. J.R. Gaur, * Director | 09/11/2005 to 11/11/2005 | Attended 17 th All India Forensic Science Conference and Director's Meeting at Raipur (Chhatisgarh) |
| | -do- | 22/09/2005 | Meeting with Director-cum-Chief Forensic Scientist, Directorate of Forensic Science, Ministry of Home Affairs, Govt. of India, New Delhi |
| | -do- | 03/03/2005 | Attended a seminar on DNA Profiling at CFSL, Chandigarh. |
| 2. | Dr. Arun Sharma, Assistant Director | 03/03/2005 | Attended a seminar on DNA Profiling at CFSL, Chandigarh. |
| | -do- | 21/08/2005 to 26/08/2005 | Attended 17 th meeting of International Association of Forensic Science at Hong-Kong |
| 3. | Dr. Meenakshi Mahajan Assistant Director | 21/08/2005 to 26/08/2005 | Attended 17 th meeting of International Association of Forensic Science at Hong Kong. |
| 4. | Dr. G.C. Thakur Scientific Officer | 03/03/2005 | Attended a seminar on DNA Profiling at CFSL, Chandigarh. |

* Director, State Forensic Science Laboratory, Himachal Pradesh also attended 48 official meetings during – 2005 at State Headquarters Shimla.

ANNEXURE-V

**LIST OF MAJOR EQUIPMENTS AVAILABLE IN THE FORENSIC SCIENCE
LABORATORY**

| SL. NO. | NAME OF MAJOR EQUIPMENT |
|----------------|--|
| 1. | COMPARISON MICROSCOPE |
| 2. | FLUORESCENCE MICROSCOPE |
| 3. | METTLER ELECTRONIC PRECISION BALANCE. |
| 4. | TVC/TC BLACK & WHITE TWIN. |
| 5. | ESDA |
| 6. | D.L.K. |
| 7. | UV-VIS RECORDING S.P. |
| 8. | G.C. MODEL 3300 VARIAN |
| 9. | LKB FAST SYSTEM |
| 10. | SIGMA 3K-12, HIGH SPEED REFRIGERATED TABLE TOP CENTRIFUGE. |
| 11. | FINGERPRINT KIT/FOOTPRINT KIT |
| 12. | DIGITAL PH METER. |
| 13. | MICROSCOPE, ORDINARY, STEREO, RESEARCH ETC. |
| 14. | OVENS, INCUBATORS, WATER BATHS, |
| 15. | CENTRIFUGE, STIRRERS AND SHAKERS. |
| 16. | MUFFLE FURNACE, |
| 17. | REFRIGERATORS. |
| 18. | THERMOSTATIC WATER BATH. |
| 19. | ELECTROPHORESIS HORIZONTAL, SUB MARINE APPARATUS. |
| 20. | VIDEO-GRAPHIC EQUIPMENT WITH T.V., VCP, VIDEO-PRINTER AND PHOTO PACK KIT WITH ACCESSORIES |
| 21. | COOL WATER RE-CIRCULATOR. |
| 22. | DEEP FREEZERS (REMI). |
| 23. | PORTABLE GENERATOR SETS. |
| 24. | VIDEO SPECTRAL COMPARATOR –2000 WITH CVM – 2000 MICROSCOPE. |
| 25. | COMPUTER DATA DLP PROJECTOR. |
| 26. | KAISER EVISION EXECUTIVE MODEL RAPRO SYSTEM (5212). |
| 27. | VIDEO SUPER IMPOSITION SYSTEM. |
| 28. | UT 500/10 MICRO AX-ADVANCED UNIVERSAL TESTER. |
| 29. | POLI LIGHT. |
| 30. | POLIRAY. |
| 31. | XRF. |
| 32. | GCHS. |
| 33. | WATER PURIFICATION SYSTEM. |
| 34. | DOCU COLOUR COPIER |

ANNEXURE-VI

SCENE OF CRIME ATTENDED BY DIFFERENT OFFICERS/OFFICIALS OF STATE FORENSIC SCIENCE LABORATORY, HIMACHAL PRADESH, JUNGA DURING 2005

| Sl.No. | Date/Year | Case particulars | Attended by |
|---------------|------------------|--|--|
| 1. | 19/01/2005 | Case FIR No. 10/05 dated 16/01/05 u/s 302, 380, 457 IPC PS Ghumarwein | Dr. V.S. Jamwal, Scientific Officer Sh. Visheshwar Sharma, Scientific Officer |
| 2. | 17/02/2005 | Case FIR No. 29/05 dated 17/02/05 u/s 302, 436, 307 IPC PS Gagret | Dr. B.R. Rawat, Assistant Director Dr. G.C. Thakur, Scientific Officer Sh. Nasib Singh Patial, Scientific Assistant Sh. Mam Raj, Scientific Assistant |
| 3. | 14/03/2005 | Building Fire at Palampur case of PS Palampur | Sh. Rajesh Kumar, Scientific Officer Sh. Chaman Lal Sharma Scientific Assistant |
| 4. | 03/04/2005 | Case FIR No. 92/05 dated 29/03/2005 u/s 364, 302, 201 & 34 IPC PS Palampur | Sh. Ajay Sehgal Scientific Assistant |
| 5. | 06/04/2005 | Case FIR No. 69/05 dated 06/04/05 u/s 364 IPC later on 302 IPC PS Gagret | Dr. J. R. Gaur, Director |
| 6. | 13/04/2005 | In the case of Timber House Building at Shimla PS East Shimla. | Dr. Arun Sharma Assistant Director |
| 7. | 05/05/2005 | Case FIR No. 103/05 dated 25/04/2005 u/s 454, 380 IPC PS East Shimla. | Dr. J. R. Gaur, Director Dr. V.S. Jamwal, Scientific Officer |
| 8. | 14/05/2005 | Cse FIR No. 39/05 dated 13/05/05 u/s 3 Explosive Act and 307, 323 IPC PS Reongpeo. | Sh. Rajesh Kumar, Scientific Officer, Sh. Nasib Singh Patial, Scientific Assistant |
| 9. | 20-21/05/2005 | Case FIR No. 140/05 dated 24/03/05 u/s 364, 34 IPC PS Sadar Mandi. | Dr. Arun Sharma, Assistant Director |
| 10. | 05/06/2005 | Case FIR No. 166/05 u/s 302, 201 IPC PS Sadar Shimla. | Dr. J. R. Gaur, Director |
| 11. | 19/08/2005 | Case FIR No. 183/05 dated 16/08/05 u/s 392, 323 IPC & 25, 54, 59 of Arms Act PS Nalagarh | Sh. Nasib Singh Patial, Scientific Assistant Sh. Dev Raj Kalia, Laboratory Assistant Sh. Prem Kumar, Laboratory Attendant. |
| 12. | 14/09/2005 | Case FIR No. 232/05 dated 12/09/05 u/s 279, 304 IPC PP Yol D/Shala. | Sh. Visheshwar Sharma, Scientific Officer Sh. Nasib Singh Patial, Scientific Assistant |
| 13. | 18/09/2005 | In Case of suspicious burning of a lady PS Paonta u/s 174 Cr. PC | Dr. Arun Sharma Assistant Director Sh. Laxmi Dutt Scientific Assistant |

ANNEXURE-VII

**COURT EVIDENCE GIVEN BY OFFICERS/OFFICIALS OF FORENSIC SCIENCE
LABORATORY, HIMACHAL PRADESH DURING 2005**

| Sl. No. | Name & Designation of Officer/Official | Number of Court evidences |
|----------------|---|----------------------------------|
| 1. | Dr. J. R. Gaur, Director | 02 |
| 2. | Dr. Arun Sharma, Assistant Director | 07 |
| 3. | Dr. B. R. Rawat, Assistant Director | 03 |
| 4. | Dr. Meenakshi Mahajan, Assistant Director | 24 |
| 5. | Dr. Rajesh Kumar, Assistant Director | 01 |
| 6. | Dr. V. S. Jamwal, Scientific Officer | 05 |
| 7. | Dr. G. C. Thakur, Scientific Officer | 13 |
| 8. | Sh. Visheshwar Sharma, Scientific Officer | 11 |
| 9. | Sh. Rajesh Kumar, Scientific Officer | 06 |

ANNEXURE-VIII

**LIST OF RESEARCH PAPERS PUBLISHED / PRESENTED GENERAL ARTICLES
AND RADIO TALKS DELIVERED BY DIFFERENT SCIENTISTS OF STATE
FORENSIC SCIENCE LABORATORY DURING 2005**

| Sl. No. | Name of Author(s) | Title |
|----------------|------------------------------|--|
| 1. | Gaur, J.R. (2005) | Forensic Investigations in unveiling the mystery of a death. Proc. 17 th All India Forensic Science Conference. 2005. |
| 2. | Gaur, J.R. (2005) | Scene of crime Two Best photographs, Proc. 17 th All India Forensic Science Conference. 2005. |
| 3. | Gaur, J.R. (2005) | Crime conviction imbalance and applications of Forensic Science communicated to the Indian Police Journal. |
| 4. | Gaur, J.R. (2005) | Prashnaspad Pralekh Parikshan published in the Vigyan Prakash, a Hindi Magazine Published by World Hindi Foundation. |
| 5. | Gaur, J.R. (2005) | Uses & Limitations of Forensic Interrogation Techniques Published in the CBI Bulletin |
| 6. | Gaur, J.R. (2005) | A book titled “Nayayalic Vigyan – Ek Parichay”, Select Publishers, NewDelhi.PP-106. |
| 7. | Gaur, J.R. (2005) | Submitted a paper titled “Role of All India Radio in the Socio-economic growth of Himachal Pradesh-since last 50 years” for the seminar of All India Radio, Shimla on completion of 50 years of its establishment. |
| 8. | Mahajan, Meenakshi (2005) | Examination of writings obliterated by pressure sensitive adhesive tapes. Proc. XVII th International Conference, Hong Kong. |

RADIO TALKS

1. “Apradh Anveshan mein janta ka sahyog” at All India Radio, Shimla on 21/12/2005 at 3:00 pm broadcasted on 02/01/2006 at 7:30 am by Dr. J.R Gaur, Director.
2. “Apradh Anveshan mein pralekh prikshan” at All India Radio, Shimla on 14-12-2005 at 3.00 pm. broadcasted on 01-01-2006 at 9.00 am. By Dr. Meenakshi Mahajan, Assistant Director.

ANNEXURE-IX

**FINANCIAL ALLOCATIONS TO THE STATE FORENSIC SCIENCE
LABORATORY FOR THE FINANCIAL YEAR 2005-2006**

The Financial allocations for the year 2005-2006 under different S.Oes. are given below:

| SOE Head | Funds allotted by State Govt. | Funds allotted by Police Hqrs. |
|-----------------------------|--|--|
| Salaries | 1,03,05,000/- | 1,03,05,000/- |
| Advertising and publication | 48,000/- | 48,000/- |
| Travel expenses | 67,000/- | 97,000/- |
| -do- | | 72,000/- Allotted by the State Govt. |
| Office expenses | 3,54,000/- | 3,34,000/- |
| Medical Reimbursement | 62,000/- | 1,02,000/- |
| Hospitality | 3,000/- | 3,000/- |
| Motor Vehicle | 2,00,000/- | 1,80,000/- |
| Material & Supply | 32,000/- | 32,000/- |
| Transfer Expenses | 13,000/- | 13,000/- |
| Total:- | 1,10,84,000 | 1,11,86,000/- |

FUTURE VISION.

The introduction of DNA Technology in crime investigation and the administration of Justice, creation of facilities for the examination of NDPS cases and Regional Forensic Science Laboratories for providing quick services at the scenes of crime and further development of State Forensic Science Laboratory by introducing Hi-tech machines as deterrents to contemporary criminals and to provide all scientific assistance to the criminal justice system in the State is the future vision of the State Forensic Science Laboratory, Himachal Pradesh.