

CENTRAL FORENSIC SCIENCE LABORATORY

KAMRUP



ANNUAL REPORT 2018-19

MANPOWER RESOURCES

SCIENTIFIC/TECHNICAL MANPOWER			
DESIGNATION	SANCTIONED	FILLED	VACANT
Group 'A'	19	08	11
JSO	05	03	02
Gazetted	24	11	13
SSA	02	00	02
ACIO	01	01	00
Photographer	01	00	01
Non-Gazetted	04	01	03
Total	28	12	16
MINISTERIAL			
DESIGNATION	SANCTIONED	FILLED	VACANT
Section Officer	01	01	00
Gazetted	01	01	00
Assistant	03	01	02
Sr. Accountant	01	00	01
Steno II	01	01	00
Steno III	02	01	01
UDC	03	02	01
Hindi Translator	01	00	01
LDC	01	01	00
Driver	01	00	01
LA/MTS	03	00	03
Non-Gazetted	16	06	10
Total	17	07	10
Grand Total	45	19	26

CASES EXAMINED

DIVISION WISE DATA SHOWING THE TOTAL NUMBER OF CASES RECEIVED DURING 2018-19 AND DISPOSED OFF DURING THE YEAR BY CFSL, KAMRUP						
Division	DETAILS					
	Received		Disposed		Pending	
	Cases	Exhibits	Cases	Exhibits	Cases	Exhibits
Ballistics	1	13	2	18	0	0
Biology	9	61	8	59	1	2
Chemistry	0	0	0	0	0	0
Documents	48	15841	58	17427	3	3723
Electronics	173	590	93	990	165	634
Explosive	2	2	2	2	0	0
Narcotics	1	9	1	9	0	0
Physics	1	2	1	8	1	2
Toxicology	3	8	3	8	0	0
Total	238	16526	168	18521	170	4361

IMPORTANT CASES EXAMINED

A case for determining whether the entries in the notary register were executed in same/different time intervals and with same or different ink was received from NIA, Guwahati. On the basis of observations under white light and IR Radiations using Projectina Docucenter Nirvis equipment, it was reported that the ink of the questioned writings belong to different class of inks and writings were executed in different time intervals.

A case for determining signs of manipulation/obliteration/alteration in the entries of marks of mark sheets in the questioned documents was received from Anti-Corruption Branch, CBI, Shillong. On the basis of observations under white light and luminescence using Projectina Docucenter Nirvis equipment, manipulations and obliterations in the entries of marks were successfully deciphered.

Around 1000Kg of suspected explosive substance was seized from river Surma near Bangladesh border by Border Guards Bangladesh (BGB) on 17/05/2018. A sample of said seized suspected substance was handed over to BSF on 18/05/2018 after a meeting between Border Security Force (BSF) and BGB. Low explosive was detected in the sample forwarded by BSF.

COURT EVIDENCE

45 Court evidence deposited by the officers in the Hon'ble Courts of Assam, Bihar, Delhi, J&K, Jharkhand, Madhya Pradesh, Manipur, Odisha, Uttarakhand, Uttar Pradesh, West Bengal, A&N Islands.

VISIT OF CRIME SCENE

In the month of November 2018, five people were killed by some unidentified gunmen at Kherbari located near the Dhola-Sadiya bridge in Assam's Tinsukia District.



Officers of Ballistics and Biology divisions of CFSL visited the violent scene of crime and assisted to Investigation Agency in identifying and collecting physical evidences from Scene of Crime on 22/11/2018.

TRAINING PROGRAMME ORGANISED

Sh. R. Suresh, Assistant Director (Ballistics), Sh. Argha Bandyopadhyay, Scientist- B (Explosive), Sh. Samir Datta, ACIO (Photo) delivered lectures and imparted training on “**Preservation of Crime/Incident Scenes and Recording by Still Photography and Videography**” to eight photographers of Border Security Force (BSF) at their Office of Guwahati Frontier on August 02, 2018.



LECTURES DELIVERED

Sh. Arun Kumar Pal, Scientist B (Ballistics) delivered a lecture on “Forensic Ballistics-Scientific Investigation of Cases involving Firearms” at North Eastern Police Academy (NEPA), Meghalaya on July 02, 2018.

Dr. Rajeev Jain, JSO (Toxicology) delivered a lecture on “Forensic Toxicology: Introduction and Application in Crime Investigation” at North Eastern Police Academy (NEPA), Meghalaya on July 03, 2019.

Sh. L. Nato Singh, Scientist B (Documents) delivered a lecture on “Cyber Crime: Overview and Standard Operating Procedure for Handling of Digital Evidence at Crime Scene” at North Eastern Police Academy (NEPA), Meghalaya on July 04, 2018.

Sh. Sujit Kumar Mallick, Scientist B (Biology) delivered a lecture on “Forensic Biology: Introduction, Application in Crime Investigation including Superimposition Technique” at North Eastern Police Academy (NEPA), Meghalaya on July 05, 2018.

Sh. L. Nato Singh, Scientist B (Documents) delivered a lecture on “SOP for Search and Seizure of Digital Evidence” and also demonstrated at “Hands on Session” at North Eastern Police Academy (NEPA), Meghalaya on August 02, 2018.

<p>Sh. R. Suresh, Assistant Director (Ballistics) delivered a lecture on “Inspection and Preservation of Crime/Incident Scenes of Firing, including Electrical Fires” also demonstrated “Mock Crime Scene Still Photography and Videography” at Office of Guwahati Frontier, Border Security Force (BSF), Guwahati on August 02, 2018.</p>
<p>Sh. ArghaBandyopadhyay, Scientist B (Explosive) delivered a lecture on “Inspection and Preservation of Crime/Incident Scenes of Arson and Explosion” at Office of Guwahati Frontier, Border Security Force (BSF), Guwahati on August 02, 2018.</p>
<p>Sh. L. Nato Singh, Scientist B (Documents) delivered a lecture on “Cyber Security- Forensic Aspects” at Engineering Export Promotion Council of India (EEPC India), Kolkata on October 04, 2018.</p>
<p>Sh. L. Nato Singh, Scientist B (Documents) delivered a lecture on “Search and Seizure of Digital Evidence” at North Eastern Police Academy (NEPA), Meghalaya on October 09, 2018.</p>
<p>Sh. Sujit Kumar Mallick, Scientist B (Biology) delivered a lecture on “Forensic Biology: Introduction and Application in Crime Investigation, Latest Techniques, Case Studies, Collection and Packing of Biological Evidence” at North Eastern Police Academy (NEPA), Meghalaya on November 27, 2018.</p>
<p>Dr. Rajeev Jain, JSO (Toxicology) delivered a lecture on “Forensic Toxicology: Introduction and Application in Investigation of Poisoning Cases, Latest Techniques, Case Studies, Collection & Packing of Toxicology Evidence” at North Eastern Police Academy (NEPA), Meghalaya on November 27, 2019.</p>
<p>Sh. R. Suresh, Assistant Director (Ballistics) delivered lectures on “Forensic Ballistics: Scientific Investigation of Cases involving Firearms, Linkage of Bullet & Empty Cases with Suspected Firearms, Gun Shot Residue, Range of Firing, Case Studies, Latest Techniques, Collection & Packaging of Firearm Evidence” at North Eastern Police Academy (NEPA), Meghalaya on November 28, 2018.</p>
<p>Sh. L. Nato Singh, Scientist B (Documents) delivered a lecture on “Forensic Documents: Examination of Forgery in Documents, Latest Techniques, Case Studies, Guidelines on Typescript and Printed Matters” at North Eastern Police Academy (NEPA), Meghalaya on November 29, 2018.</p>
<p>Sh. L. Nato Singh, Scientist B (Documents) delivered a lecture on “Collection of Standard Documents for Questioned Documents Examination” at Anti Corruption Branch, CBI, Imphal on March 08, 2019.</p>

TRAINING PROGRAMME ATTENDED

- Sh. Sujit Kumar Mallick, Scientist 'B' (Biology) participated in the Training programme on **Right to Information Public Information Officers** organized by Institute of Secretariat Training & Management (ISTM), New Delhi from June 11-13, 2018.
- Sh. Chandan Das, Section Officer participated in the Workshop on **Financial Management in Government** organized by Institute of Secretariat Training & Management (ISTM), New Delhi from August 06-10, 2018.
- Sh. Arun Kumar, Assistant participated in the orientation training programme on **GFRs 2017** organized by Institute of Secretariat Training & Management (ISTM), New Delhi from October 04-05, 2018.
- Sh. Shishir Pratap Singh, Scientist 'B' (Toxicology) participated in the Workshop on **LC-MS for analysis of Drugs & Explosives** organized by LNIN National Institute of Criminology & Forensic Science (NICFS), New Delhi from December 10-14, 2018.
- Sh. Ankit Tripathi, Assistant Central Intelligence Officer (ACIO) attended a training programme in the Case Acceptance and Preliminary Examination of the Questioned Documents at CFSL, Kolkata from January 21- March 20, 2019.
- Sh. R. Suresh, Assistant Director & Scientist 'C' (Ballistics) participated in the **INTERPOL 1st Project Watchmaker Working Group Meeting** for India and Bangladesh held at Goa, India from January 29-31, 2019.
- Sh. R. Suresh, Assistant Director & Scientist 'C' (Ballistics) participated in the **INTERPOL 2nd Project Watchmaker Working Group Meeting** for India and Bangladesh held at Colombo, Sri Lanka, from March 26-28, 2019.

EQUIPMENT AVAILABLE

Division	Equipment
Ballistics	Stereozoom Trinocular Microscope, Analytical Balance, Bullet Recovery Box, Digital Micrometer, Digital Measuring Tape.
Biology	Binocular Microscope, Vortex Shaker, Micro Centrifuge, Electronic Digital Balance, Digital Hot Air Oven, Micro Centrifuge, Deep Freezer - 20°C, Water Bath.
Chemistry/ Narcotics/ Explosive Toxicology	Vortex shaker, Refrigerator, Digital Balance, Hotplate, pH meter, Ultrasonicator, UV- cabinet, Hot air oven, Table Top Centrifuge, Analytical Balance, Tissue homogeniser.
Documents	Stereomicroscope Leica Zoom 2000, Kaiser Photography Repro Unit, Digital photocopier machine, High Resolution Spectral Computer (HRSC).
Physics/ Forensic Electronics	TRUE IMAGER V.2.0 Hardware for imaging, Cyber Check Suite Ver. 4.0, Net Force Suit V1.0 (cyber investigator, NeSA and Email Tracer), Mobile Check V1.0, CDR Analyser V1.0, WinLift V1.0, Workstation, Online UPS 2KVPA, Desktop and laptop hard disk casing. Laptop adaptor i-ball universal multicharger, USB to SATA/IDE adaptor, FTK 6.0, VPER kit (mobile edit software & OS Forensic incident response & Digital Forensic analysis software tool), AD triage, Passware kit forensic 2015 ver. 4, Encase V.7, Magnet Forensic Lab, UFED Link Analysis, UFED touch Ultimate, UFED Chinex, Paraben's Sim card seizer, Encase portable, Amped Five.

RESEARCH PAPERS PUBLISHED

- Jain R. Optimization of ultrasound-assisted emulsification microextraction by experimental design for determination of over-the-counter drugs by thin-layer chromatography–image-processing method, **Journal of Planar Chromatography - Modern TLC**, Aug 2018, 31(4): 265-271.
- Mahanta LB, Bora K, Kumar R, Purkayastha S, Suresh R. A pilot study on image processing methods for segmentation of striations in fired bullets. **International Journal of Computer Sciences and Engineering**, Mar 2019, 7(3): 449-455. DOI: <https://doi.org/10.26438/ijcse/v7i3.449455>
- Suresh R. Design and utilities of self protection system for test firing small arms and ammunition in Govt. Forensic Laboratories and law enforcement establishments, **Indian Police Journal**, January - March 2019 (accepted).

DETAILS OF THE NEWLY APPOINTED/PROMOTION PERSONNEL



Sh. Shivam Trivedi, Lower Division Clerk joined this laboratory by direct recruitment on 08/05/2018.



Sh. Shishir Pratap Singh, Scientist 'B' (Toxicology) joined this laboratory from CFSL, Hyderabad on promotion basis on 05/06/2018.



Sh. Suraj Kumar, Stenographer Grade-II joined this laboratory by direct recruitment on 13/07/2018.



Sh. Nischaya Kumar, Stenographer Grade- III joined this laboratory by direct recruitment on 25/07/2018.



Sh. Ankit Tripathi, Assistant Central Intelligence Officer Grade- I (Documents) joined this laboratory by direct recruitment on 12/12/2018.



Sh. Alonga Mandi, Junior Scientific Officer (Biology) joined this laboratory from CFSL, Kolkata on promotion basis on 31/12/2018.



Sh. Bikash Patra, Junior Scientific Officer (Toxicology) joined this laboratory from CFSL, Kolkata on promotion basis on 31/12/2018.

A BRIEF WRITE UP ABOUT THE PERSONNEL SUPERANNUATED

No official superannuated in this financial year.

PHOTOGRAPHS OF THE MAJOR EVENTS HELD



Hon'ble Union Home Minister Shri Rajnath Singh inaugurated the newly constructed building of CFSL, Kamrup, Assam on March 06, 2019.



Sh. R. Suresh, Assistant Director & Scientist ‘C’ (Ballistics) participated in the INTERPOL 1st Project Watchmaker Working Group Meeting for India and Bangladesh held at Goa, India from January 29-31, 2019.



Sh. R. Suresh, Assistant Director & Scientist ‘C’ (Ballistics) participated in the INTERPOL 2nd Project Watchmaker Working Group Meeting for India and Bangladesh held at Colombo, Sri Lanka, from March 26-28, 2019.

ANY OTHER RELEVANT INFORMATION/SCIENTIFIC ACHIEVEMENTS

BUDGET 2018-19

Total amount allocated to CFSL, Kamrup during 2018-19	Rs. 8,56,00,000
Total expenditure incurred by CFSL, Kamrup during 2018-19	Rs. 6,46,11,346
% of expenditure	75.48%

RTI

NUMBER OF RTI APPLICATIONS RECEIVED DURING 2018-19	25
NUMBER OF RTI APPLICATIONS DISPOSED OFF DURING 2018-19	24
NUMBER OF RTI APPEAL RECEIVED	0
NUMBER OF RTI APPEAL DISPOSED OFF	0
