

# CENTRAL FINGER PRINT BUREAU

The world's first Finger Print Bureau was set up in Calcutta in 1897. CFPB is the apex body in the country which coordinates, guides, monitors and provides technical support to the State Finger Print Bureaux, as well as investigating agencies and international organizations in all matters related to Finger Print Science.

## I. CFPB EVOLUTION

<b>1897</b>	<b>First Finger Print Bureau of the world was set up in Calcutta (now State FPB, Kolkata)</b>
<b>1905</b>	<b>Central Finger Print Bureau was shifted to Shimla</b>
<b>1922</b>	<b>CFPB closed as a result of retrenchment proposals of the "Inchcape Committee"</b>
<b>1951</b>	<b>Conference of DIGs, CID Recommendation for re-establishment of CFPB</b>
<b>1955</b>	<b>CFPB re-established under Intelligence Bureau in Delhi</b>
<b>1956</b>	<b>CFPB relocated to Calcutta(now Kolkata)</b>
<b>1958</b>	<b>Commencement of All India Board Examination for Finger Print Experts</b>
<b>1973</b>	<b>Administrative control of CFPB shifted to CBI</b>
<b>1980</b>	<b>All India Conference of Directors of Finger Print Bureaux</b>
<b>1986</b>	<b>Administrative control of CFPB shifted to NCRB</b>
<b>1992</b>	<b>First version of "Fingerprint Analysis &amp; Criminal Tracing System"(FACTS) installed</b>
<b>1995</b>	<b>FACTS - 3 operationalized</b>
<b>1997</b>	<b>Finger Print in India Publication</b>
<b>2007</b>	<b>FACTS – 5 operationalized</b>
<b>2018</b>	<b>NAFIS (Under process)</b>

## II. OBJECTIVES

- To maintain Finger Print record slips of the persons convicted under various Acts/ sections of IPC.
- To conduct search relating to unidentified Interstate arrested/suspected persons received from police stations and other investigating agencies.
- To maintain the fingerprints of international criminals and red corner notices sent by Interpol and to conduct search on references received from foreign countries, through Interpol.
- To undertake examination of questioned finger impressions on documents received from Central Government Departments/ Undertakings/Courts of law.
- To co-ordinate the work of the State Finger Print Bureaux and to give necessary guidance in all matters relating to Fingerprint Science.
- To impart training in Fingerprint Science to State/Central Police personnel and personnel from foreign countries under MEA sponsored scheme.
- To conduct the All India Conference of Directors of Finger Print Bureaux.
- To conduct All India Board Examination annually for accrediting Finger Print Experts.
- To conduct competition in Finger Print science at the All India Police Duty Meet held annually.

### III. CFPB KOLKATA

Since 1957, CFPB Kolkata has developed a museum over the time. It has a collection of many ancient, historic documents, photographs and instruments related to Finger Print science.



a)



b)

a) In 1858 historical Contract drew between Hooghly Magistrate Sir William James Herschel and contractor Konai using palm print for supplying road making material

b) ICS officer William James Herschel operated from Writers Building.

### IV. ACTIVITIES OF CFPB

#### 1) AFIS

The CFPB has pioneered the automation of fingerprints through its Automated Finger Print Identification System (AFIS) in 1992. This software was jointly developed by NCRB and CMC Ltd. and named as "Fingerprint Analysis & Criminal Tracing System" (FACTS). As on 31<sup>st</sup> May 2018 the number of **Ten Digit Finger Print Record slips** of convicted and arrested persons maintained at CFPB is **11, 68,775**. These Finger Print Slips (Record& Search) are received from the Finger Print Bureaux of various States/Union Territories and also from the police stations.

Activity	2017
Record slips(Finger Prints of convicted persons)	46,658
PID slips(Finger prints of arrested persons)	17,422
Traced slips(Fingerprints matched with existing database)	3,463
Trace %	19.9%
Chance prints (Fingerprints lifted from scene of crime)	183
Document cases (Documents with questioned fingerprints)	123

This includes, 179 Search references & 800 record slips received from Interpol Division of Central Bureau of Investigation (CBI), New Delhi.

#### 2) NAFIS

NCRB is planning to procure a new National Automated Fingerprint Identification System (NAFIS), a web-based application, scalable architecture and latest NIST compliant software with standard data format. The proposed NAFIS solution is envisaged to consolidate all Fingerprint data available with States/UTs over 5 million for creation of a national level searchable fingerprint database. The proposed system have configurable virtual partitions with write access only to the respective States/UTs with search facility will be available across virtual partitions in national search.

In Phase II Fingerprint Enrolment Device (FED) along with single scanner reader device to be deployed at police stations level for accessing the central NAFIS database for quick response. The proposed system will provide NAFIS database interconnectivity and able to exchange FP data electronically with other standard AFIS system across the globe. NAFIS system will be integrated with CCTNS and ICJS in future.

#### 3) All India Board Examination of Finger Print Experts (AIBE)

The All India Board Examination is conducted every year at CFPB for declaring FP Experts. Certificates are awarded to the candidates who clear the examination making them eligible to give evidence in court of law. Those who secure 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> places are also rewarded with cash prize. The **Aziz-ul Haque Rolling Shield** is awarded to the topper of the AIBE.

#### 4) All India Conference of Directors of Finger Print Bureaux

The All India Conference of Directors of Finger Print Bureaux of States/UTs, is a regular event of CFPB/NCRB. It is being held to deliberate on recent trends in the field of finger print science and other priority issues concerning finger print fraternity of the nation. This conference was started in the year 1980 at New Delhi and since then it has been conducted in different states of our country. The 19<sup>th</sup> edition of Directors Conference is scheduled on 21<sup>st</sup>& 22<sup>nd</sup> June, 2018, at Dr. Marri Channa Reddy, Human Resource Development Institute of Telangana, Road No.25, Jubilee Hills, Hyderabad, Telangana.



#### 5) All India Police Duty Meet (AIPDM)

CFPB is participating in All India Police Duty Meet (AIPDM) for conducting Finger Print Test to judge the acumen and knowledge of participating police personnel in the field of finger print science. The 61<sup>st</sup>All India Police Duty Meet (AIPDM)-2017 was held at Tamil Nadu Police Academy (TNPA), Chennai, Tamil Nadu from 24<sup>th</sup> to 28<sup>th</sup> February 2018, during which CFPB conducted fingerprint examination including practical session for development and marking of the chance prints and viva-voice as part of Scientific Aids to Investigation.



*61<sup>st</sup> All India Police Duty Meet, February, 2018 at Chennai*

#### 6) Training

Every year CFPB, New Delhi conducts around 4 to 5 training programmes of one week duration for Indian Police Officers in Finger Print Science. Kolkata Unit of CFPB conducts 18-week proficiency course in Finger Print Science.

The training Courses conducted in NCRB in Fingerprint Science are as follows :

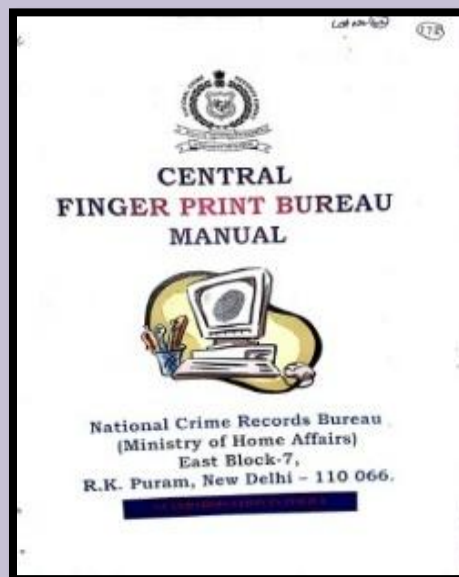
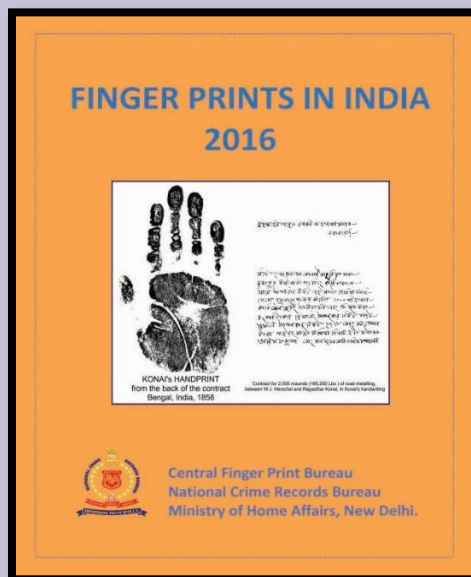
Sl. No.	Name of the Course	Duration	Eligibility	Location
1.	<b>Basic Course of Finger Print</b>	05 Days	PC to SI	New Delhi & Kolkata
2.	<b>TOT on Fingerprint Science</b>	05 Days	FP Experts from FPBx & CFPB	New Delhi
3.	<b>Refresher Course on Fingerprint Science</b>	05 Days	FP Experts from FPBx & CFPB	New Delhi
4.	<b>Workshop on AFIS (newly introduced)</b>	3 days	FP Experts from FPBx & CFPB	New Delhi

In the year 2017, 32 Sub-Inspectors and 04 Head Constables were recruited and all of them were given in-house training on various aspects of Finger Print Science. Training curriculum for this induction training was revised and updated in view the latest technological developments. Basic police training was imparted to new recruits at CBI academy at Ghaziabad.



### 7) Publication

CFPB also compiles data collected from Finger Print Bureaux of States/UT on standard Annual Statistics Report (ASR) form, and publishes 'Finger Prints in India' since 1997. This is the principal resource document for all those concerned with finger print related work in the country. CFPB is in the process of revision of the ASR form used for collection of data from States and UTs, moreover, a Quarterly Statistics Report (QSR) Form will also be prepared. CFPB also has its own Manual, which is a SOP guide for Bureau's work.



## Cases solved through Finger Prints

CFPB also receives number of Finger Print document cases from Government departments, court of law, banks, post offices, investigation agencies etc. for expert opinion. Some of the important cases solved CFPB by in recent years are as under:

**1. Impersonation in the recruitment of Examination of Constables CFPB Document Case No. 72/2016** Document case number 72/2016 received from CAPF presents a case of impersonation in the recruitment examination of constables. After intense probe it was discovered that indeed there was impersonation and in the said case the questioned print affixed on the answer sheet of the written examination was different from the specimen prints and prints affixed at different other stages of examination.

**2. Post Office Case No. 41/2016** This case was received from Superintendent of post office, Phulbani (O) Division, Phulbani-762001, in which there was complaint of withdrawal from post office account of Smt. Raimati Digal. The account holder claimed that she had never withdrawn the amount as shown in the passbook. In examination of fingerprints, left thumb impressions on SB withdrawal voucher were compared with specimen prints of the account holder. Despite very poor quality of fingerprints, experts at CFPB could give the opinion that the two sets of impressions were Non-identical thus providing the crime involved.

**4. Document case No 09/15** received from Dy. Director of Income Tax (inv.) relating to a search and seizure operation u/s 132 of the Income Tax Act 1961 in a case of M/s National Enterprises and Group and recovered some documents.. The documents consisted of 1536 pages with eight to twelve thumb prints on each page (i.e. over 12000 prints in total). After examination of the document, CFPB experts were able to establish that all the prints were given by 8 to 10 fingers only indicating fraudulent payment of approximately 2.25 crores. Approximately 40% finger impressions were faint, blurred or partial. The income tax authorities wrote a letter expressing acknowledgement and gratitude to the sincere efforts done at CFPB which was helpful in unearthing substantial amount of black money.

**3. Interpol search slip from New Zealand Police** vide Case Reference No. A&SP/New Zealand/FP /2016/454 Dt. 12-02-2016 was traced against the F.P. slip bearing PID No. 90474919 present in CFPB data base, of one Arvinder Pal Singh S/o Malkeet Singh R/o H. No. 53, Professor Enclave, opposite Punjabi University, Patiala, Punjab.

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## FUTURE ROAD MAP FOR CFPB

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**Procurement of National Automated Finger print Identification System (NAFIS) and integrating it with CCTNS/ICJS.**

**Modernization and strengthening of State Finger Print Bureaux**

**Revision of RRs, AIBE rules and CFPB manual.**

**Establishing Regional Training centers for imparting training in Finger Print Science.**

**Introduction of Research Fellowships and Internship Programmes.**

**MoU with national and International Universities/faculty exchange programme and research.**

**CFPB to be developed as a centre for excellence for Finger Print Science for Central and State police forces.**

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