REPORT ON THE EVALUATION OF CRIME AND CRIMINALTRACKING NETWORK AND SYSTEMS PROJECT

Submitted to the

Ministry of Home Affairs (CS Division)

Government of India

INDIAN INSTITUTE OF PUBLIC ADMINISTRATION
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CONTENTS

Abbreviations

AVTS	Automatic Vehicle Tracking System
AFPIS	Automated Finger Print Identification System
AFIRS	Automated Facial Image Recognition System
BSNL	Bharat Sanchar Nigam Limited
CADS	Computer Aided Despatch System
CAS	Crime Analytic Software
CPMC	Central Project Management Consultant
COTS	Collaboration Tools
CCTNS	Crime and Criminal Tracking Network and Systems
CCEA	Cabinet Committee on Economic Affairs
CAS	Core Application Software
CPMU	Central Project Management Unit
DIT	Department of Information Technology
DTC	District Training Centre
DMT	District Mission Team
FED	Finger Print Enrolment Device
FPR	Fortnightly Progress Report
GIS	Geographical Information Systems
GTMS	Gps Aided Traffic Management System
HYPR	Half Yearly Progress Report
IT	Information Technology
MHA	Ministry of Home Affairs
MMP	Mission Mode Project
MDT	Mobile Data Terminal
MPR	Monthly Progress Report
NeGP	National e-Governance Project
NCRB	National Crime Records Bureau
NDC	National Data Centre
PTC	Police Training Centre
PIM	Project Implementation and Management
PMU	Project Management Unit
STQC	Software Testing Quality Control
SDA	Software Development Agency
SCRB	State Crime Record Bureau
SPMC	State Project Management Consultant
SI	System Integrator
SLA	Service Level Agreement
TMS	Traffic Management System
TPMU	Technical Program Management Unit
UT	Union Territory

1. Background

Crime and Criminal Tracking Network and Systems (CCTNS) Scheme was approved by Cabinet Committee on Economic Affairs (CCEA) on 19th June 2009 with a provision of Rs 2000 crores as a 100 % Centrally Sponsored Scheme, to be implemented during the remaining part of the 11th five year plan period (2009-2012).

In a meeting held on 14th June 2012, approval of the CCEA was received for extension of the term of the CCTNS Project, by another 3 years. This project, which was originally scheduled to end on Mar 31 2012, has therefore, been extended up to March 31, 2015.

CCTNS project aims at creating a comprehensive and integrated system for enhancing the efficiency and efficacy of policing at all levels; especially at the Police Station level, through adoption of principles of e-Governance, and creation of a nation-wide networked infrastructure for evolution of IT-enabled state-of-the-art tracking system.

National Crime Records Bureau (NCRB), the existing nodal agency for recording complete data of crime in the country will act the main project implementation agency for review, monitoring and coordination under the overall guidance of Ministry of Home Affairs. More than 15000 police stations and over 5000 police higher offices across the 35 States/ UTs are to be made ready for use of an integrated application platform, based on Core Application Software, hosted in a nation-wide networked environment. The objectives of the CCTNS Project are:

At the Macro-level:

a. Provide Enhanced Tools for Investigation, Crime Prevention, Law & Order Maintenance

b. Increase Operational Efficiency by reduction in manual processes

c. Create platforms at State and Central levels for sharing crime and criminal information

d. Ensure improved service delivery to the public/ citizen/ stake-holders.

At the Micro-level:

e. Police functioning to be transparent, effective and efficient through improved delivery of citizens-centric services.

f. Enable speedier investigation of crime and detection of

criminals.

g. Facilitate data collection and sharing among various agencies and within hierarchy.

h. Assist senior police officers in better supervision.

i. Tracking of the progress of the crime and criminal investigation and prosecution of cases.

j. Reduction of manual record- keeping and generating voluminous reports.

Activities covered under the scheme:

With a broad–based agenda and wide scope, the CCTNS will be responsible for the following tasks:-

k. Hardware sizing and site preparation at Police Stations and Higher Offices

l. Capacity building and hand-holding:

m. Development of CCTNS Core Application Software (CAS)

n. Procurement and installation of hardware at Police Stations and higher Offices

o. Digitization of historical data to access and migrate the data of last ten years across the police stations

p. Enhancement of State-level Data Centers

q. Networking and connectivity for Police Stations and Higher Offices

The project also involves creating following Specialized Solutions and Specialized Infrastructure:-

r. A provision of Rs. 239.62 Crores has been made for specialized solutions.

s. GIS based Crime Analytics solutions.

t. GPS based Traffic Management Systems (GTMS) involving Computer Aided Dispatch Systems (CADS) for Police Control Rooms and Automated Vehicle Tracking Solutions (AVTS).

u. Automated Fingerprint Identification System (AFIS).

v. Automated Facial Images Recognition System (AFRS).

w. Fingerprint enrolment device (FED) and Mobile data terminals (MDT).

2. Introduction

The Crime and Criminal Tracking Network and Systems (CCTNS) is the flagship e-Governance program of the Ministry of Home Affairs (MHA), conceived as a Mission Mode Project (MMP) under the National e-Governance Plan (NeGP). CCTNS aims at creating a comprehensive and integrated system for enhancing the efficiency and effectiveness of policing at all levels, particularly at the Police Station level. It will operate through a nationwide networked infrastructure with IT-enabled state-of-the-art tracking system around "investigation of crime and detection of criminals" in real time.

The scope of CCTNS spans across all 35 States and Union Territories and covers all Police Stations (14,000+ in number) and all Higher Police Offices (6,000+ in number) in the country. CCTNS has been conceptualized on the principle of centralized planning and decentralized implementation at States/UTs. MHA plays a key role in planning the program, in collaboration with the Police leadership within states; NCRB acts as the central agency, responsible for monitoring and reviewing the program. The States and UTs are responsible for the implementation of the program at their respective levels.

CCTNS implementation requires considerable, persistent and dedicated support at the Central level to manage and coordinate the implementation of the project across 35 States/UTs. Accordingly, a Central Project Management Unit (CPMU) has been set up to effectively monitor and manage the progress of the project on various fronts. The CPMU acts as System Integrator, monitors fund utilization by States/UTs, is responsible for training of personnel and strengthening of the training infrastructure, ensure Network and its Connectivity and provides remedial measures for any challenges faced by States/ UTs. A dedicated team of individuals called Operational Program Management Unit (OPMU); a part of CPMU, acts as an interface with the various stakeholders. Technical Program Management Unit (TPMU), also a part of CPMU, assists the NCRB on various technical issues being faced by the States, BSNL, SDA, SI and other stakeholders as and when these occur. A dedicated team, exclusively dedicated to the Ministry helps the latter with the day to day activities of the project.

Terms of Reference of the Project

a) To be based on close and strong integration with focus on information sharing across jurisdictions and on-line services.

b) It is a Mission-Mode Project under National e-governance Plan (NeGP).

c) Rs 2000 crores has been approved by Cabinet Committee on Economic Affairs (CCEA) on Jun 16, 2009.

Key Stake Holders

Following are the key stake-holders in the Project at the State/UT level:-

a) Home department.

b) State Police.

c) System Integrator.

d) Local BSNL.

e) State DIT.

f) SWAN Operator.

g) SPMC/SPMU.

Key Approvals/Time-line for Initiation of various elements of the scheme

- Approval of the CCTNS scheme by Cabinet Committee on Economic Affairs (CCEA) on 19th June 2009. Further, approval of the extension of the scheme implementation by CCEA on 14th June 2012 up to March 2015.

- Initiation of Capacity Building Infrastructure and Training in June 2010.

- Submission of State Plans by States/ UTs to MHA in July 2010.

- Appointment of Central Project Management Consultants (CPMCs) and State Project Management Consultants (SPMCs).

- Preparation and submission of CCTNS Project Monitoring and implementation Reports by States/ UTs to MHA in Nov – Dec 2010

- Appointment of Software Development Agency (SDA) by National Crime Records Bureau (NCRB).

- Appointment of Central Project Management Unit (CPMU) by NCRB/ MHA.

- PIM evaluation and approval by NCRB/ MHA.

- Finalization of the Pilot States for the implementation of CCTNS project. Workshops for Pilot States.

- Issue of Model RFP for the selection of System Integrators to States/ UTs by NCRB. Release of State/ UT customized SI RFPs and subsequent selection of SIs at States/ UTs.

- Appointment of Network Connectivity Agency (BSNL) for CCTNS project. Completion of Site Surveys by BSNL across all States/

UTs and establishment of CCTNS National Data Centre at New Delhi.

- Formation of CCTNS Network Committees at the States/ UTs.
- CCTNS Core Application, Software application design and development by SDA. Release of the final build of CAS by SDA in October 2012.
- User Acceptance Testing of CAS with the States/ UTs.
- Release of Data Migration Utility to States/ UTs by NCRB.
- Initiation of the certification process of CAS by STQC.
- Pilot launch of CAS across 2 districts of each State/UT by 25th Dec 2012.

3. Proposal

As mentioned above, the CCTNS scheme was to end in 11th Five-year plan period (31 March 2012). However, it has been extended for another three years. In order to evaluate its achievements in the eleventh plan period and assess its need to run for another three years, the Indian Institute of Public Administration will carry out its mid-term evaluation in order to assess the scheme on all applicable parameters.

4. Methodology

Following methodology was adopted to carry out the mid-term appraisal by this institute:-

a) The IIPA team deputed to carry out the mid-term appraisal of the CCTNS project studied all the relevant documents of the project to familiarize with the project.

b) The team Interacted with Sh Ashutosh Jain, Director (CS) at the Ministry of Home Affairs, who briefed it on all aspects of the Project.

c) The team was also briefed by a representative of the PWC on some important aspects of the project.

d) The IIPA team also visited the NCRB Office, where it was given a detailed presentation by Sh Pankaj Khurana, Project Director, (PWC Associate Director. This Presentation was extremely useful in enabling our team to prepare the appraisal assessment. , Sh Prashun Gupta, Deputy Director (Technical) too briefed the team

e) The team of IIPA visited the two States of Tamil Nadu & Jharkhand to obtain first-hand information about the implementation of the CCTNS project at the State level.They also interacted with senior, middle level and junior staff to ascertain

the level of assimilation of the new technology and its use at the lowest levels for better policing. A detailed feed-ack about these visits is included in this report.

5. Status

Scope of Work

1) Site Preparation.

2) DC and DR Set –up.

3) Training and Capacity Building.

4) Data Digitization and Migration,

5) Application Service: CAS (State) Configuration, Customization and Extension.

6) Acceptance Testing, Audit and Certification.

7) Handholding and Roll-out.

8) AMC Capacity building and N/W Infrastructure.

9) Support for five years.

Progress Till- Date

The project governance is ensured through the regular meetings held at the following levels:-

a) State Apex Committee- Chaired by Chief Secretary.

b) State Empowered Committee- chaired by DGP.

c) State e- Mission Team meetings- by SCRB/Nodal Officer.

d) District e- Mission Team Meetings- by SSP/SP.

CCTNS project has, since its inception, achieved key milestones. These, along with the key milestones to be achieved till March 2013, are shown below.

- CRP I & II by SDA
- SI RFP preparation
- Requirements study & Best practices study in 10 & 4 States/UTs resp.
- Assessment & evaluation of network & connectivity proposal by BSNL

- Workshop for pilot states
- Release 1st version data migration utility
- Initiation of Data digitization activities at Pilot States
- Activities at NDC & DRC initiated
- SRS 8.1 Ver. & HLD finalised
- LLD under evaluation
- User Interface for data capture finalised
- STQC on board as third party certification agency
- MoA to be signed with BSNL

- Initiation of CB Infra and Training
- Submission of state plans by States /UTs
- SDA (Wipro) on board

- SI RFP release & Bid process

Jun 2010	July 2010	Aug 2010	Sep 2010	Oct 2010	Nov 2010	Dec 2010	Jan 2011	Feb 2011	Mar 2011	April 2011	May 2011	June 2011	July 2011	Aug 2011	Sep 2011	Oct 2011	Dec 2011	Jan 2012	Feb 2012

- **CPMU (PwC) on-board**
- PIM evaluation & approval by NCRB/MHA
- Issue model RFP for selection of SI s to States / UTs

- Application design and development by SDA

Conducting Trainings for Pilot States and SI/ SPMC
Hand over of CAS Lite to pilot States for intensive field testing

UAT for CAS Lite by representatives of States/ UTs
Regional Workshops
Nodal Officers meeting

Nodal Officers Meeting, Release of CAS by to States for study

UAT with Neighboring States at NCRB

9

Mar 2012
- *Union Home Minister's review of CCTNS project*
- Corrigendum and clarification floated on website for specialized solution
- STQC certification of State Data migration utility

May 2012
- STQC provided closure report for process audit, SRS, HLD, LLD and DMU state

July 2012
- Multilingual PoC at NCRB with WB and Gujarat
- Visit to GNDC
- BSNL SLA signed in 34 States/ UTs
- SI selected in 27 States/ Uts
- UAT Round 4 with 5 States in NCRB

Sep 2012
- Change management survey visits to neighboring States
- Release of build 5 on 22nd Oct
- UAT Round 6 on Build 5 in NCRB

Dec 2012
- SI Workshop at NCRB
- Visit to States for Pilot Readiness
- Pilot Go Live in 2 Districts in States/UTs on 25th Dec

Timeline:
Mar 2012 | April 2012 | May 2012 | June 2012 | July 2012 | Aug 2012 | Sep 2012 | Oct 2012 | Nov 2012 | Dec 2012

April 2012
- Regional Workshop at Hyderabad
- Video Conference to discuss CCTNS project progress with all the States/ UT's.

June 2012
- Requirement for Interim save, Multilingual change request & mandatory field conversion finalized
- 89 responses received for Specialized solution
- BSNL Site survey completed

Aug 2012
- Build 3 released by SDA for NCRB testing
- Marking of sites for BSNL completed in 34 States/ UTs

Oct 2012
- Visit to pilot location
- Release of build 4 on 16th Sep
- UAT Round 5 on Build 4 in NCRB

Dec 2012
- Intensive Field Testing on complete CAS across all the pilot locations
- UAT 6- Part I & II
- HS Review Meeting
- Initiation on inclusion of Multilingual Solution in CAS
- Release of CAS for Pilot Go Live

Jan 2013
Launch of CCTNS Project in 25 States and UTs

Feb 2013
- Meeting on TEC for Specialized Solution RFP
- Follow up meetings with States/ SI/ SPMU/ CPMU on matters

Key Activities completed till date since the start of the project

a) Initiation of Capacity Building Infrastructure and Training was done in June, 2010.

b) Submission of State Plans by States/ UTs to MHA in July 2010.

c) Appointment of Central Project Management Consultant (CPMC) in 2009 and State Project Management Consultants (SPMCs).

d) Preparation and submission of CCTNS Project Monitoring and implementation Reports by States/ UTs to the Ministry of Home Affairs (MHA).

e) Appointment of Software Development Agency (SDA) by National Crime Records Bureau (NCRB) in 21st June 2010 .

f) Appointment of Central Project Management Unit (CPMU) by NCRB/ MHA in 29th March 2010.

g) Project Implementation and Monitoring (PIM) evaluation and approval by NCRB/ MHA in Feb 2011.

h) Finalization of the Pilot States for the implementation of CCTNS project.

i) Issue of Model Request for Proposal (RFP) for the selection of System Integrators (SIs) with States/ UTs by NCRB. Release of State/ UT customized SI RFPs and subsequent selection of SIs at States/ UTs in June 2009.

j) CCTNS Core Application Software design and development by Software Development Agency (SDA). Release of the final build of CAS by SDA in October, 2012.

k) User Acceptance Testing of CAS with the States/ UTs in Nov 2012.

l) Release of Data Migration Utility to States/ UTs by NCRB.

m) Appointment of Network Connectivity Agency (BSNL) for CCTNS project. Completion of Site Surveys by BSNL across all States/ UTs and establishment of CCTNS National Data Centre at New Delhi on 24th October 2011.

n) Formation of CCTNS Network Committees at the States/ UTs.

o) Initiation of the certification process of CAS by Software Testing Quality Control (STQC) in Nov 2012.

p) Selection of System Integrator (SI) by all the States/UTs: 28 States/ UTs have signed their respective System Integrator (SI) contracts. The resources have been deployed by the SIs at the States/ UTs and work has started.

q) Selection of State Project Management Units (SPMUs): 30 States/ UTs have signed contracts with their respective SPMU. The resources have been deployed by the SPMUs at the States/ UTs and work has started.

r) National Data Centre (NDC) has been setup in Shastri Park, New Delhi Oct 2011.

s) Network Connectivity: Subsequent to the completion of Network connectivity surveys at States/ UTs, Networking Agency (BSNL) has signed the Service Level Agreements (SLAs) with 27 States/ UTs and 8 States/UTs have been given permission to go for SWAN connectivity or they already have operational network.

t) Capacity Building (Infrastructure- District training Centre (DTC), Regional training Centre (RTC), Police Training Centre (PTC), State Crime Records Bureau (SCRB): Completed in 31 States/ UTs.

u) Capacity Building (Training): Total 7,03,781 trainings have been imparted.

v) Formation of District Mission Teams at States and UTs have been completed in 33 States/ UTs.

w) Total funds of Rs. 428.58 crore have been released to States/ UTs as Grants in Aid under the CCTNS project, out of this Rs. 189.24 crore has been utilized till 28.02.2013.

x) Release of Data Migration Utility to all the States in Oct 2012.

y) 18 CCTNS State Data Centres have been operationalized in : A&N, Andhra Pradesh, Gujarat, Haryana, Kerala, Madhya Pradesh, Manipur, Meghalaya, Nagaland, Odisha, Puducherry, Rajasthan, Sikkim, Tamil Nadu, Tripura, Uttar Pradesh, West Bengal, Maharashtra

z) Proof of Concept (POC) with CDAC for multilingual requirements in CAS is complete and its demo was conducted on 09 Sep2012.

aa) CCTNS was launched on a pilot basis on 04th Jan 2013

bb) District Mission Teams (DMT) have been formed in 34 States/UTs. (Sikkim which has specified that owing to the lesser number of locations, district mission teams are not required).

Tasks carried out on regular basis as a part of the Project Management

a) Preparation of Reports as Fortnightly Status Reports(FSR), Monthly Progress Reports(MPR), Half Yearly Progress Reports(HPR), Activity Closure Report Report(APR)

b) Preparation of Dashboard Reports such as Weekly Dashboard Report , Monthly Dashboard Report, HS Pilot Dashboard

c) Preparation of Various Guidelines & Advisories to 35 States/UTs basis the key requirements of the Project.

d) Preparation/Review of single pager and five pager sheets on periodic basis

e) Continuous State coordination for keeping track of various activities as Training, Fund utilization, BSNL site survey, BSNL SLA Agreement signing, SI RFP Status, SPMU contract, etc.

f) Conducting periodic meetings for project review such as Fort night Status meeting, Weekly Status Meeting, PAG Meeting, CeMT Meeting and other Review Meetings at MHA / NCRB.

g) Conducting various Trainings at NCRB and regional level.

h) Regional Workshops for Go-Live.

i) Analysis of the quality of trainings being imparted at various States/UTs.

j) Conducting meetings with SPMUs, SIs for clarification of their queries.

k) Preparation of EoIs/ RFP for Advanced solution and conducting secondary research for specialized solution.

l) Preparing Change Management Framework and visiting neighboring States for survey.

m) Management of State Files for regular updates.

n) Preparing an online collaborative tool - COTS for project management across 35 States/UTs.

Selection of System Integrator (SI)

The central feature of CCTNS implementation at the State level is the "bundling of services" concept. According to this, each States would select one System Integrator (SI) who would implement the CAS application and its components including the application customization (the changes made to the core application provided by MHA), hardware, communications infrastructure, associated services such as Capacity Building and Handholding, etc. Annexure 'A' refers.

Major activities undertaken by the States/ UTs till date are as follows:

S.No	Tasks	Status
1	Receive comments on draft template of RFP for Selection of System Integrator from 7 States	Completed
2	Share RFP with SDA for feedback on the BoM	Completed
3	Finalize Draft RFP template & send to States/ UTs	Completed
4	Issue of Model RFP for Selection of SI in States/UTs	Completed
5	Preparation of Draft RFP of System Integrator by States/UTs and Vetting by NCRB/ CPMU	Completed
6	Tendering process of RFP for Selection of SI in States/UTs	Remaining In 1 State-Goa
7	Providing support to States/UTs for negotiating with the shortlisted bidder (Refer Annexure A)	In-Process
8	Selection of System Integrator (29 States/UTs have signed the contract. The detail State/UT wise information is provided in Annexure A)	In-Process
9	Following up with States/UTs for issuance of LoI and signing of Contract with the shortlisted bidder (Refer Annexure A)	In-Process
10	Benchmarking of the price quoted for each component in a State against the MHA sanctioned amount	Completed
11	Preparation & Sharing of comparative analysis sheet for price discovery and funds sanctioned	Completed
12	Preparation & Sharing of savings analysis and release of	Completed

S.No	Tasks	Status
	advisory to all States/ UTs	
13	Following up with States/UTs to submit commercial and technical bids of the shortlisted bidder in each State/UT (Refer Annexure A)	In-Process
14	Sharing of Guidelines on Prioritization of Activities for System Integrator before release of CAS	Completed
15	Standard Operating procedures for - Site Preparation - Data Digitization - Go- live - Hardware supply, delivery and commissioning	Completed
16	Format for capturing the activities done by System Integrator at the States/ UTs	Completed
17	Tracking of activities done by System Integrator at the States/ UTs (Refer Section 4.0)	In-Process

Contractual Aspects

The Contract has been signed in 29 States/ UTs A&N Islands, Andhra Pradesh, Assam, Bihar, Chandigarh, Chhattisgarh, Dadra & Nagar Haveli, Daman & Diu, Delhi, Haryana, Himachal Pradesh, Jammu & Kashmir, Jharkhand, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Mizoram, Nagaland, Odisha, Punjab, Rajasthan, Sikkim, Tamil Nadu, Uttar Pradesh, West Bengal, Tripura and Meghalaya.RFP process in progress in Goa.

LOI has been issued in 3 States– Arunachal Pradesh, Gujarat and Manipur.

Financial is opened and negotiation is on in 2 States/UT (Puducherry and Lakshadweep)

Financial Aspects

Funds released and Utilization is one of the key activities of the OPMU team. Till date 9 installment of funds have been released under the heads

- State project management consultant
- State project management unit
- Capacity building – Training
- Capacity Building-Infrastructure
- Network and connectivity
- System Integrator
- Other Heads for Advanced States

Total funds released till date to various states and UTs are shown in the chart below:

S.No	State	Total Fund Released		S.No	State	Total Fund Released
1	Andaman & Nicobar Island	164.91		19	Lakshadweep	206.09
2	Andhra Pradesh	3896.58		20	Madhya Pradesh	2713.47
3	Arunachal Pradesh	383.14		21	Maharashtra	2639.38
4	Assam	1172.68		22	Manipur	578.13
5	Bihar	2584.57		23	Meghalaya	370.44
6	Chandigarh	162.66		24	Mizoram	454.49
7	Chhattisgarh	1297.35		25	Nagaland	486.45
8	Dadra & Nagar Haveli	151.32		26	Odisha	1678.36
9	Daman & Diu	146.37		27	Puducherry	219.23
10	Delhi	734.34		28	Punjab	864.16
11	Goa	320.69		29	Rajasthan	2046.47
12	Gujarat	1575.33		30	Sikkim	224.82
13	Haryana	1074.51		31	Tamil Nadu	3999.68
14	Himachal Pradesh	698.46		32	Tripura	357.48
15	Jammu & Kashmir	963.35		33	Uttar Pradesh	3119.09
16	Jharkhand	2334.67		34	Uttarakhand	455.20
17	Karnataka	1587.51		35	West Bengal* Tender fees included in Interest earned	1575.55
18	Kerala	1621.59			**Total**	**42858.5**

For doing the same, records are maintained both in physical and scanned copies at NCRB. Funds utilization is tracked for each head under which the funds have been released and States/ UTs with low funds utilization are monitoring and followed on a regular basis.

Funds	Amount in Lakhs
Total Fund released (Till 9th Instalment)	42858.5
Total Funds Utilized (As per UCs received)	18924.49
% Funds utilized against all installments	44.16%

Capacity Building

Various aspects of capacity building are discussed below. Annexure 'C' refers.

Infrastructure

Building capacities at various levels is critical to the success of the project. Necessary training infrastructure is proposed to be augmented at various levels e.g. State Crime Records Bureau (SCRB), District Police Training Colleges (PTCs), Recruits Training Centers (RTCs) etc. for facilitating regular training on ICT and other technologies, change management as well as application software. The details of the infrastructure units for various States/ UTs and total number completed are as follows:

S.No	State	Total (DTC, RTC, PTC and SCRB)	Completed	% Completed
1	Andaman & Nicobar Island	2	2	100.00%
2	Andhra Pradesh	43	43	100.00%
3	Arunachal Pradesh	10	10	100.00%
4	Assam	33	33	100.00%
5	Bihar	45	45	100.00%
6	Chandigarh	3	3	100.00%
7	Chhattisgarh	34	34	100.00%
8	Dadra & Nagar Haveli	1	1	100.00%
9	Daman & Diu	1	1	100.00%
10	Delhi	16	4	25.00%
11	Goa	4	4	100.00%

S.No	State	Total (DTC, RTC, PTC and SCRB)	Completed	% Completed
12	Gujarat	34	32	94.12%
13	Haryana	28	28	100.00%
14	Himachal Pradesh	16	16	100.00%
15	Jammu & Kashmir	32	32	100.00%
16	Jharkhand	29	29	100.00%
17	Karnataka	37	37	100.00%
18	Kerala	26	26	100.00%
19	Lakshdweep	2	2	100.00%
20	Madhya Pradesh	61	61	100.00%
21	Maharashtra	66	66	100.00%
22	Manipur	16	16	100.00%
23	Meghalaya	9	9	100.00%
24	Mizoram	10	10	100.00%
25	Nagaland	17	17	100.00%
26	Odisha	45	45	100.00%
27	Puducherry	4	0	0.00%
28	Punjab	33	33	100.00%
29	Rajasthan	49	49	100.00%
30	Sikkim	3	3	100.00%
31	Tamil Nadu	49	49	100.00%
32	Tripura	6	6	100.00%
33	Uttar Pradesh	86	86	100.00%
34	Uttarakhand	22	15	68.18%
35	West Bengal	30	30	100.00%
	Total	**902**	**877**	**97.22%**

Training

Capacity Building is a highly critical component of CCTNS. The objective of CCTNS Capacity Building (CB) initiatives is to empower the direct users and other stakeholders of CCTNS to optimally use CCTNS and enhance outcomes in crime investigation, criminals tracking and other core police functions; and also ensure a smooth functioning of CCTNS. Based on their needs and the objectives of CCTNS, training programs would be organized under the following themes:

- Creating awareness about the benefits of ICT and basic computer skills

- Role-based training on the CCTNS application

- "Train the Trainer" programs, where members of the police staff would be trained to enable them to conduct further training programs, thus helping build up scalability in the training program and also reducing the dependency on external vendors for training.

- System Administrator training: a few members of the police staff with high aptitude would be trained to act as system administrators and troubleshooters for CCTNS.

- Apart from identifying people with appropriate aptitude for more technical roles, persons with technical aptitude would be identified during their Recruit Training and would be guided into more technical roles (potentially to develop into a technical cadre).

- Three different groups of people had been identified Group A : Group B: Group C:

- The Status of the training across all the States and UTs is presented in the table below:

Sl No	Name of State/ UT	Police Personnel Data			% Trained	Total Target	Total Trained
		Total No. of Police Personnel (As Per PIM Report)					
		Group A	Group B	Group C			
1	Andaman & Nicobar Island	7	295	2164	83%	1464	1212
2	Andhra Pradesh	180	18497	112298	58%	65162	37729
3	Arunachal Pradesh	49	971	7532	25%	4026	996
4	Assam	223	6111	45395	62%	13547	8450
5	Bihar	231	14048	52701	23%	35876	8374
6	Chandigarh	17	552	5048	47%	12450	5885
7	Chhattisgarh	112	3562	30344	62%	17455	10904
8	Dadra & Nagar Haveli	5	30	250	100%	379	379
9	Daman & Diu	5	30	250	100%	377	377
10	Delhi	504	13407	67556	54%	40461	21804
11	Goa	16	405	3589	37%	8020	2942
12	Gujarat	175	13136	62595	12%	40728	4874
13	Haryana	117	7485	49326	86%	28430	24407
14	Himachal Pradesh	258	2050	14789	82%	7984	6554
15	Jammu & Kashmir	275	8135	71125	42%	42441	17784
16	Jharkhand	110	8946	56611	77%	61022	46907
17	Karnataka	200	9500	79000	19%	84845	16361
18	Kerala	537	4711	47003	51%	26543	13626
19	Lakshadweep	2	23	300	27%	720	192
20	Madhya Pradesh	1011	7278	44510	34%	40013	13537
21	Maharashtra	388	34359	163339	88%	137534	121044
22	Manipur	46	2462	13282	8.1%	7634	621

23	Meghalaya	40	1301	9992	3.2%	22948	742
24	Mizoram	146	749	2952	49%	18943	9240
25	Nagaland	94	354	6001	26.5%	6449	0
26	Odisha	258	9853	43660	70%	36613	25626
27	Puducherry	25	371	2213	73%	2282	1667
28	Punjab	252	9268	69902	30%	79422	23675
29	Rajasthan	148	8245	57439	48%	60462	29274
30	Sikkim	100	330	4200	33%	2465	804
31	Tamil Nadu	82	5937	27304	74.7%	50271	37562
32	Tripura	36	2100	20069	04.4%	7162	312
33	Uttar Pradesh	1219	23730	35055	123.5%	45758	56522
34	Uttarakhand	161	2144	19376	115.5%	7033	8124
35	West Bengal	215	19347	63796	102%	50382	51502
	Total	**7244**	**239722**	**1290966**	**55.71%**	**1094889**	**610009**

Connectivity

BSNL has been entrusted with the activity of connecting the Police Stations and higher offices across the country on Leased Line, VPNoBB, Wi MAX, VSAT. There are eight States/ UTs which have gone exclusively on SWAN. These are A&N Islands, Chandigarh, Delhi, Goa, Haryana, Karnataka, Puducherry, Lakshadweep. In all the rest of the States and UTs, the respective SLAs have been signed between BSNL and the respective States.

The Number of Sites under each option is listed below:

Sl No	Technology	Number of Sites Proposed
1.	Leased Line	3142
2.	VPNoBB	12967
3.	WiMAX	961
4.	VSAT	817

There are 18 States where SDC is operational and is being used for the CCTNS Project. These States are A&N, Andhra Pradesh, Gujarat, Haryana, Kerala, Madhya Pradesh, Manipur, Meghalaya, Nagaland, Odisha, Puducherry, Rajasthan, Sikkim, Tamil Nadu, Tripura, Uttar Pradesh, West Bengal, and Maharashtra.

State Project Management Units (SPMUs)

To assist the nodal officers in the various States and UTs, State Project Management Units (SPMUs) have been selected in each State/ UTs. The Nodal Officers in each of the States and UTs are helped on various aspects of the project such as:

- Validate the project plan and project charter as per the requirements of the State / UT for the deployment of CAS in the State

- Regular monitoring of the SI's project management information system, configuration management system and issue tracker tools for compliance to contractual obligations.

- Coordinate workshops and discussion meetings between NCRB, SDA (Wipro), SI ,State Police Department and other Stakeholders.

- Compare the FRS document with the FRS/SRS developed by the SDA and identify the scope for the CAS customization.

- Review of design documents submitted by SI

- Ensure the local language customization is carried out by the SI as per the application software delivered by SDA for localization.

- Support to enabling process change exercise for enabling CCTNS-CAS environment in the State/UT.

- Highlight deviations/issues in the deliverables of SI to concerned authority within the specified time limits and assisting SI and State Police Department in resolution of issues, etc.

The State-wise SPMU Companies are listed below:

Sl. No	SPMU Companies	States/ UTs
1.	PwC	Rajasthan, Sikkim, Tamil Nadu, Maharashtra, Haryana
2.	EnY	WB, UP, Tripura, Puducherry, Andaman
3.	Deloitte	Bihar, Delhi, Lakshadweep, Nagaland, Odisha
4.	GT	DD, DNH, Karnataka, MP, Uttarakhand
5.	KPMG	Assam, Chandigarh, Gujarat, Mizoram, Punjab
6.	Accenture	Andhra Pradesh, Arunachal Pradesh, Kerala, Goa, Manipur

Key action points of the CCTNS Project in the near term

The timelines for the implementation for the project has been revised to facilitate the completion of implementation except CAS customization by 31st August 2013 across all States/ UTs.

The following table gives the date wise implementation timelines for respective States/ UTs.

Sl. No	Proposed date of Implementation	States/ UTs
1	31st Jan 2013	Karnataka
2	31st March 2013	A&N, Chandigarh, DND, DNH, Goa, Lakshwadeep, Sikkim, Tripura
3	30th June 2013	Arunachal Pradesh, Delhi, Haryana, Himachal, Jharkhand, Manipur, Meghalaya, Mizoram, Nagaland, Puducherry, Uttarakhand
4	31st August 2013	Andhra Pradesh, Assam, Bihar, Chhattisgarh, Gujarat, J&K, Kerala, MP, Maharashtra, Odisha, Punjab, Rajasthan, Tamil Nadu, UP, WB

The evaluation team from IIPA, New Delhi, carried out site visits to two States, Tamil Nadu and Jharkhand. The detailed report on the visits is given in the succeeding paragraphs.

6. Visit to Two States on 23/24 April & 01/02 May 2013

Visit to Two States On 23/24 April and 01/02 May 2013

The assessing team from IIPA, New Delhi, visited Chennai (Tamil Nadu) on 23 to 24 April 2013 and Ranchi (Jharkhand) on 1 and 2 May 2013.The aim of these visits was to:-

a) Assess the state of 'capacity building' , as also the state of progress of the implementation in these two States as far as the implementation of the CCTNS Project is concerned. Tamil Nadu, because it is considered to be among the five leading states as far as the implementation of the CCTNS Project is concerned; the other leading states being Karnataka, Goa, Andhra Pradesh and Gujarat. Jharkhand because it is considered to be just beginning to implement the Project and therefore, still in infancy.

b) Have first- hand knowledge of how the system works/ will work at the cutting edge of policing, i.e., at the Police Station level.

c) Interact with senior/ middle level officers and SHOs, constables, etc., to get a correct feedback about the viability of the project and its benefits to the common man.

d) Assess the opinion of the users/stake holders about the desirability of implementing the Project, its long-term benefits, etc.

e) Assess the opinion of police personnel about whether the project is futuristic and can help face the challenges of emerging threats in the areas of crime, terrorism, cyber-crime, easy access that criminals have/will have to technology, which they will use frequently to beat surveillance and tracking.

f) Whether, in the uneven state of development existing in the country, particularly in the rural areas, such high-tech- dependent project will succeed or not.

g) Check the work-environment in which the costly and sensitive equipment will be functioning.

Visit to Chennai

During the visit to Chennai, we were given a presentation on the project at SCRB Hq by the officials working on the project. The Presentation was attended by Sh Ashish Bengra, IPS, ADGP, SCRB, Sh Shanmugam, ADSP, Police Computer Wing, SCRB, Ms Shridevi, DSP, Police Computer Wing, SCRB, as also Sh Manish Kumar Sinha, Consultant, PWC. The presentation/briefing covered all aspects of CCTNS Project involving various aspects of policing; starting with the Registration of the case and going through investigation and prosecution.

During the two-day stay in Chennai, the team visited the district Police Headquarters, where we were briefed/given a presentation by the SP/Additional SP. Subsequently, we visited various Police stations in the districts, which have been nominated as the Pilot districts for the implementation of the Project . At all these places, we were briefed by the SPs/SSPs/SHOs, etc.

We also witnessed the trained constables working live on various computers established in the CCTNS cell in each Police station. At Vellore, we witnessed a batch of 18 trainees undergoing 3-day capsule on the CCTNS project. A total of 10 such capsules, involving the training of 180 personnel, are in the process of being run. Basically, these are called ToT (Training of Trainers) capsules, i.e., Training of Trainers, who in due course, will train others in their respective Police Stations.

Following Police Stations/ District Police Headquarters were visited:-

a)	Velore SP Office	SP, Sh I. Easwaran
b)	Thiruvallur SP Office	SP, Sh Rupesh Kumar Meena, IPS Addl SP, Sh T. Senthil Kumar Dy SP S Balachandran
c)	Egmore Police Station	Inspector Gunavarman B.(SHO)
d)	Sevvapet Police Station	Inspector S Gangadharan. (SHO) Special Sub Inspector, M Ravi

Visit to Jharkhand

The assessing team visited Ranchi, the capital of Jharkhand on 1 & 2 May, 2013. Besides interacting with the DGP, Sh Rajeev Kumar, the team also met following high officials, who briefed the team about their perception of the Project. Executives of the NIIT, involved with the implementation of the Project also brierfed the team on various aspects.

a) Sh. S N Pradhan, IPS, ADGP.
b) Sh. R K Mallick, IPS, IG (Prov).

The assessing team also visited the following police stations:-

a) Dhurva Police Station, Ranchi.

b) Jaggannathpur Police Station, Ranchi.

Much against our expectations, the IIPA team found an enthusiastic team of police officials, the NIIT Executives and lower level staff of the police department in Jharkhand, working very hard to ensure the success of the CCTNS project. The project is being implemented all across the over-400 police stations of the State. As a matter of fact, Jharkhand police had established its own e policing cell much before the CCTNS was conceived. Therefore the State found it easier to build the CCTNS infrastructure, using its e policing infrastructure. The State is now building other branches of e governance over this existing system.

The State police has 30 training centres wherein it proposes to train 3000 police personnel over the next few years.

As a newly established state, it has limited number of proper buildings for housing the police stations. It is now proving to be a blessing in disguise as the new building, nearly 300 of them, will have standardized CCTNS cells which will be uniformly designed all across the State. Compared to other states, Jharkhand will have a clear advantage.

7. Findings

The findings of the Indian Institute of Public Administration are as under:

1. The CCTNS project, conceived as a Mission mode project (MMP) under the National e-Governance Plan (NeGP) aims at creating a comprehensive and integrated system for enhancing the efficiency and effectiveness of policing at all levels, particularly at the Police Station level.

2. It will operate through a nationwide networked infrastructure with IT-enabled state-of-the-art tracking system around "investigation of crime and detection of criminals" in real time.

3. The scope of CCTNS spans across all 35 States and Union Territories and covers all Police Stations, numbering over 14,000 and all Higher Police Offices, which account for over 6,000 in the whole country.

4. Constant monitoring of the project has ensured that key components of the CCTNS project have been achieved within the stipulated time.

5. Completion of implementation of the project except CAS customization is planned to be achieved by 31st August 2013 across all States/ UTs.

6. The Project management team monitors the progress of the entire project on daily/weekly/monthly basis. These progress reports are then sent to all higher headquarters, including the Ministry of Home Affairs.

7. Various components of CCTNS project are being implemented by well known software companies, viz., Wipro, BSNL, PWC, etc., who have deployed an excellent team of well qualified and trained professionals at various levels to oversee its all aspects.

8. Assessment

The visit to the two state capitals of Tamil Nadu and Jharkhand, enabled the assessing team to see the functioning of the CCTNS Project at the cutting edge, which made the visit very fruitful. Assessment of the IIPA Team is as under:-

a) Almost everyone from the rank of constable to the ADG, in both the States were imbued with a sense of purpose and the desire to work enthusiastically to see the project through. Therefore, the degree of involvement of all ranks was very high.

b) There was unanimity among every one we met/ interacted with, that the CCTNS Project is the most crucial flagship Project undertaken in India to enhance the all-round efficiency of the police forces in the country as also the efficacy of policing in India. Nearly everyone felt that it will prove to be a game-changer and was the need of the hour.

c) Everyone felt that the project will go a long way in helping ordinary people in the country to interact with police easily and seek their timely assistance when required.

d) The project will enable the police to come up to the expectations of the public by using modern electronic gadgets and ensuring timely intervention.

e) The Project will go a long way in improving the image of the police in the eyes of the common man.

f) The real time flow of information/reports and returns and imnstant connectivity will result in high degree of responsiveness of the police as also the increased faith of the public to approach latter.

9. Constraints

At present, some constraints were noticed in the implementation of the project. These are as given below:-

i. There is a shortage of trained man-power in the Police Force who can operate the computers efficiently.

ii. Power outages, at times, last for 8 to 10 hours. Such outages prevent the batteries of the inverters from getting charged.

iii. Users were not fully satisfied with the maintenance of all the hardware that is supplied and used in the CCTNS Cell. This is particularly so in far-flung Police stations were the hardware is required to be operated under difficult conditions.

iv. Due to low levels of intake of computer savvy personnel, the absorption of new system/technology will be time-consuming.

v. Some Police stations are located in old / dilapidated buildings, which do not render themselves to the efficient operation of highly sensitive software/ hardware.

vi. Required degree of rapport/ interaction needed between the users and BSNL must be ensured.

vii. V-Sat connectivity has not yet been completed.

10.   Observations for Remedial Action

The CCTNS project covers a wide range of activities which run simultaneously and need to be completed within a given span of time. These specific activities explained in technical terms are given below:-

- Selection of Software Development Agency (SDA) for development of Core Application Software (CAS).

- Design & Development of CAS.

- User Acceptance/Pilot Testing and release of CAS to all State/UTs for customization, Configuration-Customization-Deployment and Rollout of CAS by State/UTs.

- Selection of System Integrators by State/UTs.

- Implementation of bundle of services by State Integrators (SIs) in States/UTs.

- Network connectivity to all Police Stations and implementation of Specialized Solutions.

- Creating required Infrastructure, etc.

Examination of records reveal that there has been some delay in execution of the following activities:-

CAS related delays: The Contract for development of the Core Application Software (CAS) with the Software Development Agency (SDA) i.e. M/s Wipro, was signed on 22nd June 2010. The project was scheduled to become operational and achieve 'Go-Live' status on June 28th, 2011. However there

were delays in finalizing requirements which in turn, resulted in delays in completion of development, testing and commissioning by SDA. Consequently, the 'Software development and testing' is yet to be completed by SDA. In the meanwhile, the following new requirements have been added to the CAS solution:

1. Development of Additional Functional Requirements (AFR) to include modules for:

    i. Juvenile Offences Module.

    ii. Economic Offences Module.

    iii. Cyber Crime Module.

    iv. Narcotics Offences Module.

    v. Wild life Offences Module.

2. Provision of Multilingual features in CAS (being taken up with C- CACI)

The design development, testing and rollout of the above additional functional requirements need to be completed by November 2013.

SI delays: It has been noticed that the pace of implementation of the project by the SIs is slow. The monitoring of the placement of purchase orders with the OEMs by the SIs as well as the progress to be made on other fronts, like site survey/preparation and data digitization reveals that the ostensible reasons for the slow pace of SIs was the abrupt hike in the dollar rate from Rs 45 to one $ to Rs 55 to one $. This substantial jump had not been foreseen by them during the bidding. The OEMs who would supply them the equipment had escalated their prices consequently. The SIs kept hoping that it would be a temporary phenomenon.

Since the CCEA note proposed a list of services through CCTNS project, the payment terms of SIs were also based on delivery of all the services (bundled together) in a set of districts and act as the eligibility criteria for signoff by the State followed by issuance of payment. However the SIs as well as some States have suggested that the payment terms would need to be revised if the revised timelines would have to be adhered to, because of certain adverse situations which are not contemplated within the contract and which are not attributable to the SI.

The SIs in various review meetings at the Center, expressed the view that their slow progress can be attributed to the fact that very few payments had been received by them from the State/UTs in spite of the SIs incurring huge expenditure on procurement of hardware for sites. The roll out plan shared with States is based on implementation/ completion at a specific number of locations and not on Go-Live of districts, with customized CAS. This roll-out plan had compressed the implementation timelines from 18 months to 6-9 months' duration. With the compressed timelines, SIs shall need to complete

a greater number of activities, but in a reduced time interval. SIs would also be required to invest more money for procurement and commissioning of hardware and other infrastructure components across all locations by 31st August 2013. To do so, the SI will need enough cash-flow, so that they can meet their costs. If the SIs do not get paid for what they deliver and commission, they might not be able to complete implementation across all the locations and meet the specified timelines. Hence, the payment may be proposed to be made in a staggered way, without necessarily having to wait for the specific number of districts to go-live by a particular date.

The roll out of the CCTNS project is dependent on other agencies such as the delivery of certified Core Application Software (CAS) by SDA and the provision of network connectivity in all police stations. As the VSAT connectivity and point-to-point leased line connectivity is still not settled, these issues are lagging far behind. This implies that revised payment terms would need to be proposed. If this methodology is adopted, each activity may have to be treated individually.

SPMU issues: As the SIs will work in an accelerated manner, this would imply greater support to be given by SPMUs for next 6 months in terms of visit to more no. of sites, hardware validation, etc. Consequently, the SPMUs shall need to increase manpower deployment in all States/UTs. However, a number of the States/UTs have reported unsatisfactory support from their respective SPMUs and considering that they are the only technical/operational link between the State/UTs and the SIs, it is imperative that they work to the optimum satisfaction of the States/UTs.

Contracts signed with SPMUs must lay down penalties to be imposed on the latter in case their performance is still not found up to the desired standards.

Networking issues - Over 817 police stations need VSAT connectivity which the BSNL has to provide. However, the proposal of the the BSNL to provide it through the IP Star satellite of M/s Thaicomm , was not accepted, being a security risk. This has led to a revision of the whole process. In the revised approach, the use of Indian satellites and the line of action to be adopted need to be approved. Thereafter, the lead time itself would not be less than 6 months. Hence, non-provision of network connectivity in one police station in a district, would lead to non-payment as per the current terms of payment to the SI. Consequently, the VSAT problem would impact at least 100 districts. The BSNL has been able to set up the VPN over Broad Band connections very quickly, as the required infrastructure was completely internal to them. However, in over 10% of the sites, which need to be setup using the State Wide Area Network (SWAN) through the local SWAN operator and the P2P + WiMax links, there are significant obstacles which have come up and need to be overcome through greater coordination with other agencies, including the district administration.

Low Utilization of Funds: The utilization of the funds released to the State/UTs is very poor. Consequently, it has led to the MHA not releasing fresh funds to the State/UTs, in line with the MoF instructions. This is again

linked to the existing payment terms. Under the circumstances, revising the payment terms would facilitate better utilization of funds.

Decision making at the State/UTs level – Various committees have been formed to facilitate the implementation of the CCTNS project in States/UTs. Some of these are; the State Apex Committee and State Empowered Committee and the State/District Mission Team. However, it has been observed that considerable delays have occurred in even the convening of such meetings. This has resulted in delays in implementing various changes which are requested to be initiated from time to time by the SIs for smoother progress. The Centre has intervened in such matters often, and has even asked for such requests to be sent to them for quicker decisions-making. However, such intervention defeats the very purpose of formating such Committees.

Extending existing BSNL network connectivity to FSL, FPB, DTC, RTC, PTC, State PCR and District PCR in all States/UTs. Initially, the aforementioned units were excluded from the connectivity requirement across all the States/UTs. However, during the numerous meetings at MHA with CCTNS Nodal Officers, it has been agreed that providing network connectivity across all these additional locations, will be vital to extending the reach of CCTNS project.

It should be expedited at the earliest.

Hardware required for CIPA Phase II and Phase III locations- The locations covered under CIPA -Phase II and Phase III locations, were relatively new at the time of sanctioning of funds for CCTNS in the PIM reports of the State/UTs (Jan-March 2011). However, during the last few meetings with States/UTs, it was highlighted by States / UTs that most of the hardware at CIPA-II and III is in obsolete state or approaching end of life/warranty and the computer hardware in remaining CIPA-II and III location will also get obsolete in next few months.

It should be expedited at the earliest.

New Police Stations and DPCTCs setup across the country after 31st March 2011: Initially, as per the HS directive, these Police Stations/DPCTCs were not considered while sanctioning funds to the States. However, provision of funds to these also needs to be catered for. This will ensure the implementation of CCTNS project across all the Police offices in the country. This issue too needs to be expedited at the earliest.

Inclusion of Additional Proposals: Of late**,** some new proposals have been initiated which would greatly make value addition to the project in the long run. Proposals such as NMS (Network Management System, which would depict the networking progress in a ready dashboard format) and the Specialized Solutions/Infrastructure etc. have been found to be pending for long and need to be expedited to facilitate their smoother implementation at the earliest.

11.   Recommendations

CCTNS has been conceptualized on the principle of centralized planning and decentralized implementation at States/UTs. MHA plays a key role in planning and implementation of the project.

This Institute, at the very outset, would like to mention that one of the most important inter-faces between the citizens of a country and that of its government is through the police-people interaction. In the existing system, very few aspects of this inter-face are satisfactory. CCTNS project is a most important initiative taken by the Government after independence, to improve this important aspect of governance. Even though, law and order is a state-subject, the Union Ministry of Home Affairs, by taking on this initiative, will greatly help the states /Union territories to modernize all aspects of policing, which they could not have been able to do on their own.

This Institute feels that the CCTNS, one of the flagship projects on e-governance of Home Ministry, is one of the most important initiatives taken by the Union Government to modernize police and policing since independence. This project, when completed, will equip the police forces throughout the country with modern tools to carry out their functions in the modern world in order to fulfill its assigned role and at the same time, come upto the expectations of the general public. The project will also help the citizens to look up to the police, even at the lowest level, with hope , trust and confidence.

Indian Institute of Public Administration is of the firm opinion that the CCTNS Project must be continued beyond the 11th five-Year Plan Period till all its aspects are completed to the satisfaction of all stake holders.

Bottlenecks in the project of this magnitude are bound to crop up and these must be dealt with at early stages in order to ensure that the whole project does not suffer.

12.   Conclusion

According to an old adage the criminals will always try to remain ahead of those who chase them (the Police), because the latter is running after the criminals and the criminals are running for their lives. In the present era, criminals too have access to modern technology which they use to their advantage. These modern tools in the hands of criminals have ensured that they are always ahead of the law-enforcement agencies

Therefore, the State has a responsibility to firstly, equip its police forces with the latest/ modern technological devices/aids so that they are always able to neutralize the initial advantage that the criminals have while committing any crime. Besides, the citizens of the country, they have nowhere to go once faced with a crime or a criminal situation. They expect the police to come to their rescue. Under the circumstances, it is only a properly equipped and adequately networked police force which can carry out the tasks assigned to them with efficiency, skill and speed. It is therefore,, in the interests of the government itself to ensure that the police forces are able to resolve peoples' problems; the foremost being the control of crime and arrest and prosecution of criminals. CCTNS Project is an important and most valuable step in that direction.

13. Annexure: 'A'   Selection of System Integrator

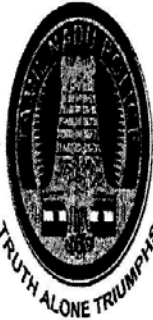| 17	Karnataka	Contract Signed	HP	State has signed contract with HP on 7th Dec 2011.
18	Kerala	Contract Signed	TCS	State has signed the contract on 11th Apr 2012. LoI was issued in 1st week of January 2012.
19	Lakshadweep	No	Keltron	UT has sent a letter to TCS (SI of neighbouring State) asking for a formal proposal for system integration activities.
20	Madhya Pradesh	Contract Signed	HCL Tech	Contract signed on 26th September 2012. LoI issued to the vendor on 16th July 2012.
21	Maharashtra	Contract Signed	Wipro	Contract signed by the State on 24th Mar 2012. LOI issued to WIPRO on 9th Nov 2011.
22	Manipur	LoI Issued	Rolta	LoI issued to SI on 08-Jan-2013. Contract likely to be signed by 1st week of Mar 2013
23	Meghalaya	Contract Signed	CMC	Contract signed on 9th August 2012. SI team deployed in the State.
24	Mizoram	Contract Signed	Rolta	Contract signed with the bidder on 29 Mar 2012. SI is carrying out site survey and site preparation
25	Nagaland	Contract Signed	ITI/Vayam	Contract signed with the bidder on 16th July 2012. LoI issued to ITI/Vayam Tech on 7th May 2012. SI Team deployed in state.
26	Odisha	Contract Signed	NIIT	Contract signed with the bidder on 12th July 2012. LoI issued by the State on 26th May 2012.
27	Puducherry	No	Rolta	Rolta has refused to match the sanctioned amount as per PIM. Bid canelled and UT is preparing a revised RFP
28	Punjab	Contract Signed	TCS	Contract Signed on 24th December 2012.
29	Rajasthan	Contract Signed	Tulip	State has signed the contract with the bidder in the last week of Dec 2011
30	Sikkim	Contract Signed	Keltron	Contract signed with the bidder on 20th Apr 2012. LoI issued on 29th Feb 2012.
31	Tamil Nadu	Contract Signed	NIIT	State has signed the contract agreement with NIIT on 30th

				Sep 2011. Advance payment released to the SI.
32	Tripura	Contract Signed	Keltron	Contract signed on 9th May 2012. LoI issued on 27th January 2012. Advance payment released to the vendor.
33	Uttar Pradesh	Contract Signed	NIIT	Contract signed on 31st Mar 2012.
34	Uttarakhand	LoI Issued	NIIT	LoI issued to the vendor on 29th Jan 2013. Contract likely to be signed by 1st week of Mar 2013
35	West Bengal	Contract Signed	HP	State has signed contract with the bidder on 2nd March 2012.

14. Annexure: 'B' SOP for Site Preparation (Tamil Nadu)

Draft TN-CCTNS SOP for Site Preparation

Annexure 'B'

eGovernance Mission Mode Project

Crime and Criminal Tracking Network and Systems (CCTNS)

TamilNadu

Standard Operating Procedure

for

Site Preparation

Private & Confidential

Page | 1

Draft TN-CCTNS SOP for Site Preparation

Contents

1. SOP for Site Survey & Site Preparation

Site Preparation shall cover all the activities necessary to enable the Police Station/Higher Office to setup the client side infrastructure and operate on CCTNS .The System Integrator is expected to prepare all the client sites for setting up the necessary client site infrastructure.

The following are the key activities involved in site preparation:

1. SCRB conducts the sensitization program briefing the district team regarding CCNTS project, CIPRUS application, Data Digitization, Roles and Responsibilities of District Police...etc

2. System Integrator obtains the list of all the PS's/HO's in that particular district with the CD counts, addresses, contact details, nodal officer details...etc

3. Site Survey to be conducted by NTL , SCRB detachment and DIT in coordination with SHO

4. Submission of Site Survey report to SCRB for approval

5. SCRB approves the Site Survey report with recommendation(if any)

6. NTL submits a time plan for all the activities pertaining to locations list provided by SCRB which is reviewed by SCRB and then finalized; SCRB gives a go ahead to NTL with the finalized plan and NTL should strictly adhere to the approved plan.

7. One model site to be prepared by NTL and approved by District Implementation Team(DIT) on behalf of SP

8. Initiation of the site preparation activities by the System Integrator. Site preparation to be withheld in the event of any police station shifting to new premises within 1 year

9. Completes the site preparation in line with approved site survey recommendations and RFP requirements

10. System Integrator shall adhere to the site layout and preparation materials approved by SCRB

11. Subsequent to completion of site preparation activities System Integrator shall obtain signoff from the respective SHO's and Higher officers

12. Standardized format for sign off of each activities sent to all the police stations

13. Regular update in the standard format is taken by detachment officer for progress related to site preparation of all the offices and presented to SCRB

14. A sign off is taken by NTL from the police stations in the standardized format for Electricals work completion, LAN cabling completion ,furniture supply ...etc

15. District Implementation Team shall give the final signoff for all the sites prepared by NTL

Schematic diagram for PSs unfit for site preparation
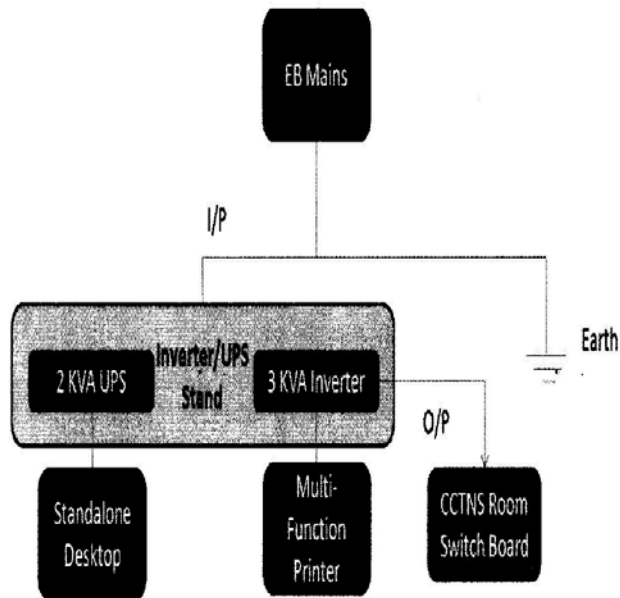
3. Typical Roles & Responsibility in Site Preparation

Activities	Sub Activities	Responsibly
Site Assessment		
	Submission of site-wise Time Plan for survey	NTL
	Joint survey NTL/SCRB detachment & respective sites SHO/representative	NTL
	Preparation of Survey Report consisting site specific floor layout, specifying location of infrastructure deployment. The layout should comply to sample layout & standards prescribed by SCRB. Incase of any site-specific challenges such as leakages, power issues, earthling aspects, adequacy of space, the same may be made note off in survey report.	NTL
	2nd Review of those sites which have site-specific challenges in adherence to the standards by NTL, SCRB Representative & SHO of respective SHO. Jointly propose site specific solution	NTL/SCRB/SHO
Approval by SHO at PS/HO		
	Review site specific floor plan & SHO shall their share concurrence on NTL's site survey report	
Approval by SCRB		
	Scrutinize on the Survey reports given by NTL based on compliance to standards & also review alternate solutions proposed. On satisfactory completion of the same approval for Site Preparation is issued	SCRB

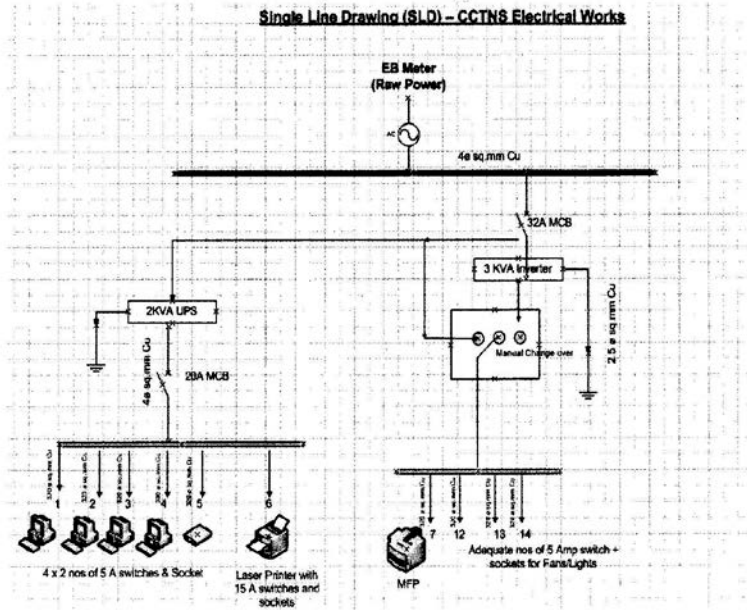Draft TN-CCTNS SOP for Site Preparation

Activities	Sub Activities	Responsibly
Model Site Preparation (one per vendor per district)		
	NTL Prepares a model site, checks for compliance for standards prescribed. Submits an official request letter (the letter shall also be supported with compliance checks done by the NTL) for model-site sign off to SCRB	NTL
Sign off of Model Site by District SP & SCRB		
	SCRB on receipt of the above request from NTL. shall invite the respective District SPs for his/her feedback on model site. On successful completion of the same approval of model site shall be given to NTL for commencement of site preparation at other locations by the same vendor. Incase of multiple vendors in the same district then sing off from one model site prepared by every vendor would be requried. It would be appreciable if NTL could make the Model Site(s) prepared by vendor(s) for review by SP, DIT & SCRB on the single day.	SCRB
Schedule for Remaining Site Prepration sharing		
	Inform roll-out plan to SCRB in advance (i.e. 2 days before start of work) so that all pre-requisites are made	NTL
Site Preparation for remaining sites		
	Post the sign-off of a model site prepared by a vendor for a district is got, the respective vendor may kick-start the site preparation for rest of the sites. All the vendors need to have model site sign-off before commencement of site preparation to all the remaining sites	
Final Sign-off Site Preparation by SHO & SCRB		

Draft TN-CCTNS SOP for Site Preparation

Activities	Sub Activities	Responsibly
	site Inspection for final sign-off. Incase of any deviations NTL would be asked make the necessary rectifications works within a sti[ulated timeframe & also share necessary documentary proofs towards the completion. On successful addressing all the deviations (if any) the site(s) would be deemed signed off. NTL would also need to get the final sign-off form as prescribed cleared by the SHO & local detachment officer & submit the same for payment processing	NTL

4. SLD for electrical wiring

Single Line Drawing (SLD) – CCTNS Electrical Works

EB Meter
(Raw Power)

AC

4e sq.mm Cu

32A MCB

3 KVA Inverter

2KVA UPS

2.5 sq.mm Cu

4e sq.mm Cu

20A MCB

Manual Change over

1 2 3 4 5 6

7 12 13 14

4 x 2 nos of 5 A switches & Socket

Laser Printer with 15 A switches and sockets

MFP

Adequate nos of 5 Amp switch + sockets for Fans/Lights

5. SOP for Hardware Supply

1. Release of P.O for Hardware from SCRB to the System Integrator

2. The P.O clearly defines that delivery of hardware at the CCTNS client sites should be as intimated by SCRB

3. Upon receipt of the P.O from SCRB, the procurement team of System Integrator shall place order to the concerned OEM

4. OEM shall book the order in the name of their regional dealers and triggers the production process

5. The dealers of OEM shall directly dispatch the hardware to the concerned locations and obtain Proof of Delivery from the Station Head Officer

6. Supply of hardware based on classification of PS – Heavy(4 PC's) /Medium (3 PC's) /Light + AWPS (2 PC's) only after delivery approval from SCRB

7. POD defines only the quantity and the item ---it doesn't detail the specifications of the hardware supplied

8. System Integrator shall verify the BOM for each location in presence of Station Head Officer during installation process

9. The BOM verification includes the package list, part no.s, CD, detailed specification ...etc

10. District Implementation Team (headed by ADSP, DCRB) shall visit the site upon completion of installation and shall provide the **final signoff**

11. The Final Signoff sheet contains set of instructions with CCTNS Hardware & Accessories Delivered for Police Station

12. Sample filled in Signoff sheet is also provided to the police stations

13. Asset Management Software being customised to monitor all the CCTNS hardware deployed

14. NIC shall carry out need based testing of the hardware/hardware drivers to comply with CIPRUS application

✧ There is replacement clause between OEM and System Integrator that ensures the replacement incase of any defects

✧ Final signoff by the District Implementation Team shall be given after verifying the commissioned hardware

✧ RFP replacement clause

✧ Change of Hardware OEM incase of any issues with the existing vendor shall be considered by the Tender Scrutiny Committee

Instructions for Final Signoff Form

1. The hardware for all the police stations shall be sent to the Police Stations directly by NIIT Technologies Ltd (NTL).

2. SCRB shall send the sign off forms available in the next page to each of the police stations where hardware delivery and commissioning would be made.

3. The Concerned Authority for each Police Station (SHO) shall sign all the 3 copies only on delivery and commissioning of all the hardware items mentioned in the sign off form.
   - One Copy of the form shall be retained by the Police Station.
   - One Copy of the signed form shall be given to the NTL.
   - One Copy (Original) shall be sent to the District SP Office (DPO Office).
   - Enter the hardware details into the Government asset register and a separate CCTNS register shall be maintained with repeat entries of all the hardware received from NTL shall be made.

4. After receiving the signed off form from a police station, the DPO office shall update their government asset register and shall also maintain a separate CCTNS asset register for all the Police stations within the DPO office.

5. The District SP shall then provide SCRB with a consolidated list of items delivered in the Police Stations.

6. Instructions to fill the sign off form:
   a. Fill the serial number or brand name wherever applicable. Some serial numbers and brand names have been entered in the sample sign off form for reference.
   b. For the column – **Commissioning Status/Remarks if any** fill "Yes" if no/minor deviations are found; fill "No" – if missing/not installed/major deviations are found and list the deviations. With a "No" status without any justification, a sign off may not be given.

Note: The final signoff sheet should be duly filled in validating the specifications of the hardware provided in the final signoff sheet.

Draft TN-CCTNS SOP for Site Preparation

Final Signoff Form

CCTNS Hardware & Accessories Delivery for Police Station

Name of the Police Station   :   Address of the Police Station:

District/ City:

Sno	List of Items	Quantity	Specification Details	Serial No / Brand Name	Delivery Date	Commissioning Status/Remarks if any
1	Wall Mountable Network Rack - 9 U	1	HCL			
2(A)	Computer Table	2	4'x1.5'			
2(B)	Computer Table	2	3'x1.5'			
3	Computer Chairs	4	Push back, 360° rotation			
4	**Desktop System**		Lenovo M81			
(i)	Monitor	4	Lenova M81, 18.5 inches TFT monitor			
(ii)	CPU	4	Lenova, M81			
(iii)	Power Cable monitor	4	Finolex			
(iv)	Power Cable CPU	4	Finolex			
(v)	VGA cable to connect Monitor & CPU	4	OEM Supplied			
(vi)	Key board	4	Lenova M81			
(vii)	Optical Mouse	4	Lenova M81			
(viii)	CIPRUS CD	1	NA			
5	HDD 250 GB (External)	1	Vector Brand			

Sno	List of Items	Quantity	Specification Details	Serial No / Brand Name	Delivery Date	Commissioning Status/Remarks if any
6	Duplex Laser Printer (Network) along with drivers	1	Samsung – ML295			
7	Multi Function Laser (Print/ Scan/ Copy) along with drivers	1	Samsung - SCX-4701ND			
8(A)	UPS for 60 min backup (2 KVA)	1	Frontline 2KVA			
8(B)	UPS Batteries	6	Quanta (AmarRaja)			
9(A)	Inverter (3 KVA)	1	Uniline 3KVA			
9(B)	Inverter Batteries	4	Base 500			
10	Network Switch 16 Ports 10/100 web managed/ managed	1	Dlink DES-1100-16 - V.2			
11	Digital Camera, Camera Pouch, 4 GB SD card	1	Panasonic- LUMIX DMC-S3			
12	Electronic Pen	1	HiTech Mobile e-Pen Model MNT 01			
13	Electrical Cabling and earthing*	1	10 (8+2) electrical points and 1 Earthing			
14	Data Cabling (LAN)*	1	6 (4+2) LAN points			

*The electrical cabling, earthing, Data cabling should be checked for proper installation and should not allow loose fittings, improper insulation, etc.

Declaration:

This is to certify that M/s NIIT Technologies Limited has delivered the above mentioned items in good condition.

Name & Designation of SHO:

For NIIT Technologies Limited:

Signature:

Signature:

Name:

Date & Seal:

Date:

Draft TN-CCTNS SOP for Site Preparation

Sample – Filled in Final Signoff Form

CCTNS Hardware & Accessories Delivery for Police Station

Name of the Police Station: XYZ   District/ City: ABC

Address of the Police Station: ZYXCBA

Sno	List of Items	Quantity	Specification Details	Serial No / Brand Name	Delivery Date	Commissioning Status/Remarks if any
1	Wall Mountable Network Rack - 9 U	1	HCL	Fill serial no	23.03.12	Yes
2(A)	Computer Table	2	4'x1.5'	NA	23.03.12	No - 4 Nos 3'x1.5' provided
2(B)	Computer Table	2	3'x1.5'	NA	23.03.12	Yes – 4 nos provided
3	Computer Chairs	4	Push back, 360° rotation	NA	23.03.12	Yes
4	**Desktop System**		Lenovo M81			
(i)	Monitor	4	Lenova M81, 18.5 inches TFT monitor	V1FYA64	24.03.12	Yes
(ii)	CPU	4	Lenova, M81	71Y3522	24.03.12	Yes
(iii)	Power Cable monitor	4	Finolex	Finolex	24.03.12	Yes
(iv)	Power Cable CPU	4	Finolex	Finolex	24.03.12	Yes
(v)	VGA cable to connect Monitor & CPU	4	OEM Supplied	NA	24.03.12	Yes
(vi)	Key board	4	Lenova	04738591	24.03.12	Yes
(vii)	Optical Mouse	4	Lenova M81	ASM P/N – 45J4882	24.03.12	Yes
(viii)	CIPRUS CD	1	NA	NA	15.04.12	Yes
5	HDD 250 GB (External)	1	Vector Brand	Vector	29.03.12	Yes – Brand Name not visible
6	Duplex Laser Printer (Network) along with drivers	1	Samsung – ML295	Fill serial no	13.04.12	Yes- Test page printed & print came out properly

Draft TN-CCTNS SOP for Site Preparation

Sno	List of Items	Quantity	Specification Details	Serial No / Brand Name	Delivery Date	Commissioning Status/Remarks if any
7	Multi Function Laser (Print/ Scan/ Copy) along with drivers	1	Samsung - SCX-4701ND	Fill serial no	13.04.12	No – Tested but scanning not working
8(A)	UPS for 60 min backup (2 KVA)	1	Frontline 2KVA	Fill serial no	15.04.12	Yes – back up provided for 1 hour
8(B)	UPS Batteries	6	Quanta (AmarRaja)	Brand Name	15.04.12	Yes
9(A)	Inverter (3 KVA)	1	Uniline 3KVA	Fill serial no	17.04.12	No – Not able to provide backup to only a tube light in room
9(B)	Inverter Batteries	4	Base 500	Base 500	17.04.12	Yes
10	Network Switch 16 Ports 10/100 web managed/ managed	1	Dlink DES-1100-16 -V.2	Brand Name	24.03.12	Yes
11	Digital Camera, Camera Pouch, Panasonic 4 GB SD card	1	Panasonic-LUMIX DMC-S3	Fill serial no	29.03.12	Yes - Tested or No – 4 GB card not provided
12	Electronic Pen	1	HiTech Mobile e-Pen Model MNT 01	HiTech	29.03.12	Yes – Demo given and tested
13	Electrical Cabling and earthing*	1	10 (8+2) electrical points and 1 Earthing	NA	15.03.12	No – Earthing not done properly/ power not drawn from mains/inverter not connected to switchboard
14	Data Cabling (LAN)*	1	6 (4+2) LAN points	NA	16.03.12	Yes

6. Additional Points to be considered for Site Preparation

- Additional wiring to facilitate inverter to other rooms shall be finalised during site survey and NTL shall adhere to the survey report approved.

- 1 Computer should be provided to the SHO (Inspector/SI) and necessary site preparation work shall be carried out in all districts

- 1 Computer should be provided to the L&O Inspector, 1 Computer to the Crime Section (Writer/SI/Inspector) and necessary site preparation work shall be carried out in all Cities

- All the I/O boxes/Plug Points..etc should be placed below 2 feet without hindering table space

- The electrical wiring should be at 1.5 feet(18 inches) height from the floor level and the data wiring should be at 2 feet (24 inches) from floor level i.e., with gap of 6 inches from the electrical wiring

- Necessary drilling work to carry cables from one floor to other will be taken care by the concerned districts/cities

- All the horizontal drilling should be taken care by NTL only

- PVC conduits used should be of 1 inch

- Sharp /smooth PVC bends shall be used across all the corners / pillars...etc without damaging the walls/other infrastructure

- Flexible hoses should not be used while moving wire from one floor to other

- Uniform colour coding for wiring to be followed across all the locations -

  o Phase – Red
  o Neutral – Black
  o Earth – Green

- Uniform Bus Bar across all the stations

- All cables shall be new without any kind or visible damage

- All site preparation should be in line with the single line diagram(SLD) approved

- All apparatus and equipment transmitting or utilizing power shall be earthed. Copper/G.I. earth strips/wires shall be used unless otherwise indicated in the Schedule B

7. Earthing Recommendations

- Earth Pipe should be atleast 5 feet and pipe should be 1 feet below the ground level

- Earth Pit of size 1 X1 foot to be built and it should not be >2 inches above the ground level

- The pit should be covered with a slab of not less than 1 inch thickness.

- "UPS Earth Electrode" should be written inside the pit.

- 2.5 Sq mm wire should be used for earth, (up to the strip)

- Connection of earth wire to the earth pipe should be visible

- Water collecting portion in earth pipe should be tightly fitted

- Two copper wires of thicker size has to be used to connect strip and the Earth Pipe.

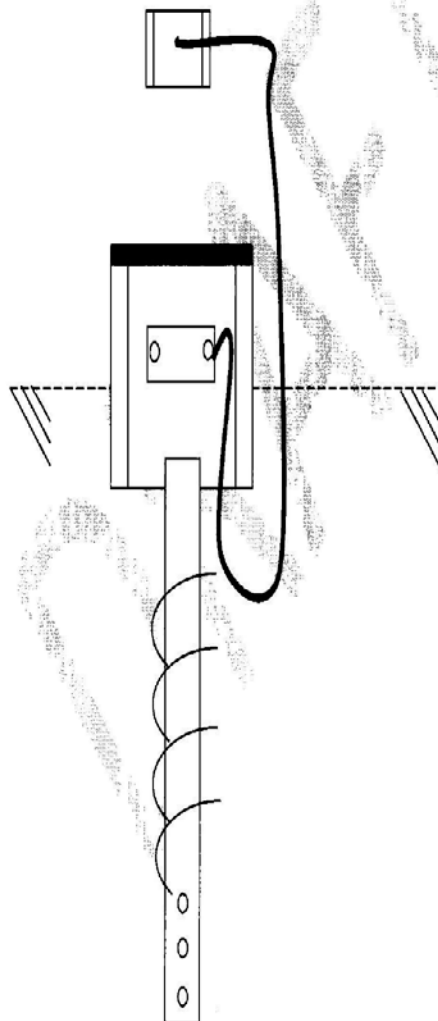- Earth bus to the earth pit should be connected with 8 gauge thick copper wire

<u>Components for Earthing</u>
- ✓ Earth Bus – 1 no
- ✓ Earth pipe with funnel – 1 no
- ✓ Earth pit with lid – 1 no
- ✓ Cupper wire to connect earth pipe & Earth bus
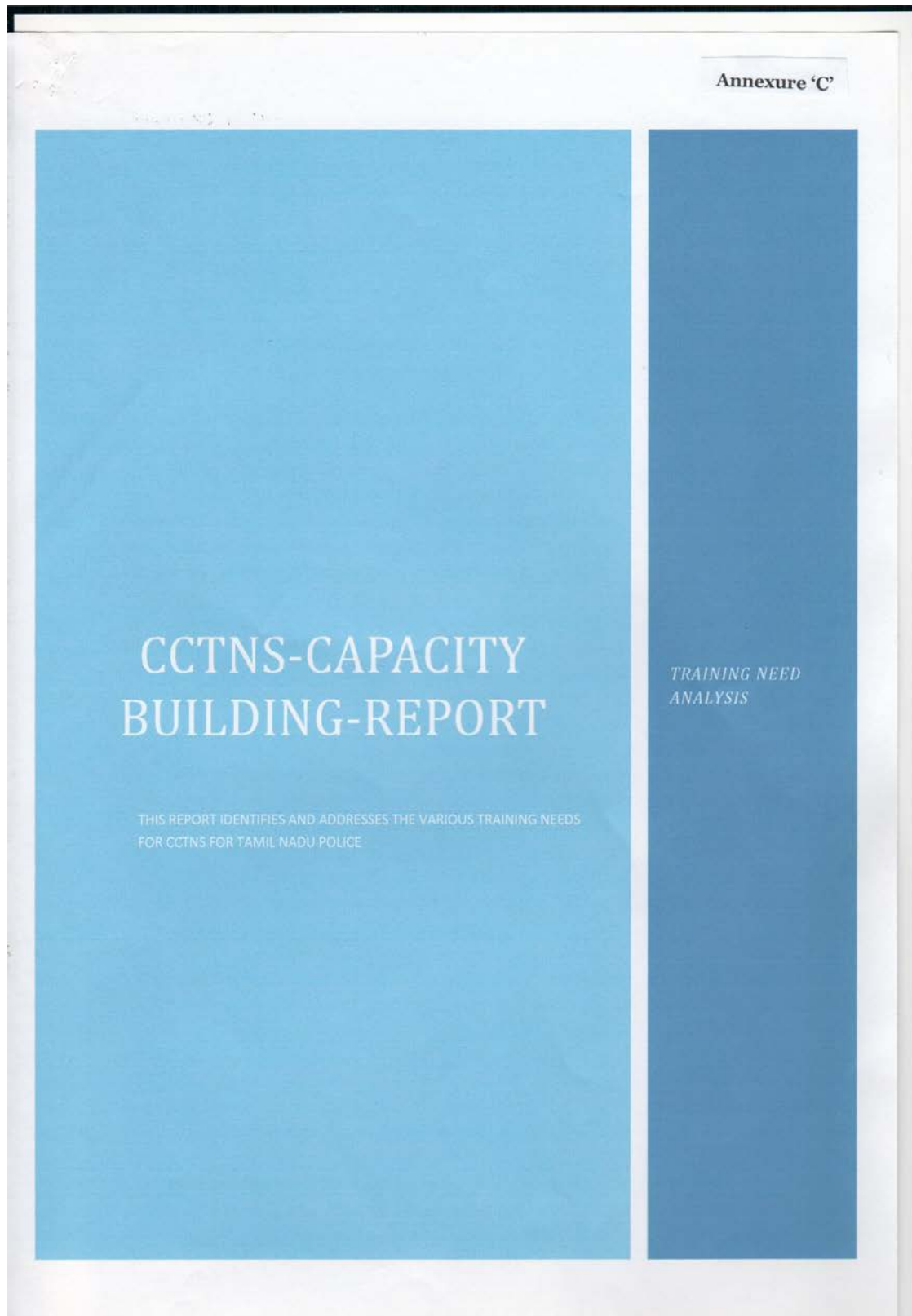- ✓ Necessary earthing chemicals such as **Charcoal, gravel, sand, salt**, etc

✓ 8 Gauge CU wire from earth bus to earth pipe. The connection should connected by appropriate nut, bolt & washers
✓ Earth pit as a whole should not be more than 2 inches above the ground
✓ This pit necessarily be covered by a lid with at least 1 inch thickness
✓ The earth pipe should be min of 50 Sq mm diameter
✓ The earth pipe should be tightly fitted water collecting funnel

Typical Schematic Diagram for Earthing:

15. Annexure: 'C'   Capacity Building Report (Tamil Nadu)

Annexure 'C'

CCTNS-CAPACITY BUILDING-REPORT

THIS REPORT IDENTIFIES AND ADDRESSES THE VARIOUS TRAINING NEEDS
FOR CCTNS FOR TAMIL NADU POLICE

TRAINING NEED ANALYSIS

CAPACITY BUILDING - CCTNS TN

CONTENTS

CAPACITY BUILDING - CCTNS TN

1. TRAINING PLAN

1.1. TRAINING MATRIX

The Matrix correlating the trainers to the location, audience and the type of training is as below

Trainer	Location	Audience	Type of Training	Duration (Days)
NTL	District Training Centres	Station Writers, DEO in each PS	CIPRUS Application User Training	3
NTL	District Training Centres	Internal Trainers from the Districts	TOT – Training Of Trainers	3
NTL	District Training Centres	Technical SI	Technical Training - System Administrator	2
NTL	Zone HQ	Higher Officers - IGP, DIG, SP, DCP, ACP	Change Management Workshops	1
NTL	District HQ	SP,ADSP,DSP & SHO's	Communication & Awareness campaigns	1
NTL	Zone HQ	Higher Officers - IGP, DIG, SP, DCP, ACP,	MIS Reports Training– Analysis & Review of generated reports and providing guidance to officers	1
NTL	Zone HQ	TOT's from the Districts	TOT –Refresher Training	1
TOT	District Training Centres	SHO, SI & others as needed	User Refresher Training	1

CRIME AND CRIMINAL TRACKING NETWORK & SYSTEMS – TAMIL NADU   Page 2

NIIT CAPACITY BUILDING - CCTNS TN

1.2. TRAINING PHASES

This module shall conceptualize the training flow of each type of training.

CIPRUS Application Training – District Training Centres

Type : CIPRUS Application User Training

Duration: 3 days (8 Hrs. per day 9am – 6pm)

- Course Presentation (PowerPoint Slides)

- CIPRUS Demonstration by Instructor - providing exposure to a real life scenario post implementation of CIPRUS (CIPRUS - Application training environment)

- Hands-on Practice Exercises for the Trainees based on case studies and simulations (CIPRUS - Application training environment)

- Course Evaluations - Knowledge Check

- Typing Practice – Using Shakalbharathi Tamil fonts

Training Syllabus - CIPRUS Application User Training

Topic	Sub-Topic	Hrs.	%
Introduction	Introducing one and another - Ice breaker session	0.5	2.08%
Pre- Assessment	To Check the computer competency level of Trainees	1.5	6.25%
Computer Basics	Basics of Linux Operation & Commands	1	4.17%
Module - 1 Introduction	Introduction to CCTNS,NIC Linux 6.0,CIPRUS,Loggin on to CIPRUS, User Creation	1.5	6.25%
Module -2 Registration	Creating FIR Cases, Petty Case ,Motor Vehicle Case, Ordinary Petty Case & CSR	4	16.67%
Module -3 Investigation	Investigation Procedures in the form of progress events	2	8.33%
Module -3 Prosecution	Prosecution Procedures in the form of progress events	2	8.33%
Practice Sessions – CIPRUS	Practice sessions on Modules 1,2 &3	7	29.17%
Tamil Typing Practice	Practice typing in Tamil	1.5	6.25%
Assessment	Assessment on CIPRUS	1	4.17%
MIS Reports	Overview of Station Databank, Staff Maintenance & Reports	1.5	4.17%
Feedback	Trainer feedback provided by trainees	0.5	2.08%

CRIME AND CRIMINAL TRACKING NETWORK & SYSTEMS – TAMIL NADU Page 3

NIIT technologies   CAPACITY BUILDING - CCTNS TN

Train the Trainers (TOT) – District Training Centres

Type   : TOT – Training Of Trainers

Duration: 3 days (8 Hrs. per day)

Workshops covering effective presentation skills and coaching techniques and discussing the benefits and structure of the trainer model

- Formal CCTNS training which will consist of all modules of CCTNS relevant for their role
- Teach-back session where trained trainers will present course content and receive feedback regarding content, flow, and presentation techniques
- End User training Sessions

Training Syllabus – **Training of Trainers (TOT)**

Topic	Sub Topics	Hrs.	%
Introduction	Introducing one and other - Ice breaker session, CCTNS Orientation & Introduction to CIPRUS	2	8.33%
Training Etiquettes	Training Etiquettes	3	12.50%
Module - 1 Introduction	Introduction to CCTNS,NIC Linux 6.0,CIPRUS,Loggin on to CIPRUS & User Creation	1	4.17%
Module -2 Registration	Facilitate on how to Register a new FIR using CIPRUS Case Type -> Accident, CRIME, Law and Order and Other Acts 2. Facilitate on how to Register Motor Vehicle Petty Case, Ordinary Case and Petition [Community Service Register]	4	16.67%
Module -3 Investigation	Investigation Module	2	8.33%
Module -3 Prosecution	Prosecution Module	2	8.33%
Presentation Session – CIPRUS	Mock Training Sessions on CIPRUS	8	33.33%
Network / Printer	Network Connectivity / Printer Troubleshooting using Linux	1	4.17%
Feedback	Feedback	1	4.17%

CRIME AND CRIMINAL TRACKING NETWORK & SYSTEMS – TAMIL NADU   Page 4

NIIT technologies   CAPACITY BUILDING - CCTNS TN

CIPRUS Application Training – District Training Centres

Type : Technical Training - System Administrator

Duration: 2 days (16 Hrs.)

- Course Presentation (PowerPoint Slides)

- CIPRUS Demonstration by Instructor – Reports Module (CIPRUS - Application training environment)

- Hands-on Practice Exercises for the Officers to generate various Reports (CIPRUS - Application training environment)

- Course Evaluations - Knowledge Check

Training Syllabus - **Technical Training - System Administrator**

Topic	Sub Topics	Hrs.	%
Introduction	Introducing one and other - Ice breaker session, CCTNS Orientation	1	12.50%
Advanced Computer Basics	Advanced Computer Basics - NIC Linux Administrative Applications	2	25.00%
Linux Basics	Terminal Console Commands	1	12.50%
Linux Installation	Installing NIC Linux	1	12.50%
Linux Installation – Lab	Installing NIC Linux Hands On - Practice sessions	3	37.50%
CIPRUS	Overview of CIPRUS Application Creating / deleting Database	2	25.00%
Practice Sessions – CIPRUS	Practice Sessions - Updating Ciprus / Creating & deleting DB	2	25.00%
Network	Network / Connectivity Troubleshooting using Linux	1	12.50%
Printer	Printer Troubleshooting Using Linux	1	12.50%
Assessment	Assessment	1	12.50%
Feedback	Feedback	1	12.50%

Change Management Workshop

- Reading Material

- Presentations

Communication and Awareness Campaign

- Organize and conduct the communication events

CRIME AND CRIMINAL TRACKING NETWORK & SYSTEMS – TAMIL NADU   Page 5

CAPACITY BUILDING - CCTNS TN

NIIT technologies

2. TRAINING NEED ANALYSIS

2.1. Objectives

✓ Review of current training program and course content

✓ Assessment of training needs (Soft skills, level of IT awareness, IT basics knowledge and core application software related trainings)

✓ Comparative analysis between the existing trainings and training needs identified

✓ Based on the above analysis, training courses should be devised based on level of IT knowledge and awareness. The trainings to be imparted may include :

- ❑ Basic IT Training
- ❑ Advanced Training
- ❑ System Admin Training
- ❑ Training for Trouble Shooting
- ❑ Application Training
- ❑ CCTNS Sensitization Training
- ❑ Sensitization on handholding to police personnel before release to police stations for handholding
- ❑ Refresher courses / repeat trainings
- ❑ Training of Trainers (TOT)
- ❑ Mandatory training course for newly transferred police personnel / new recruits/joiners

✓ Formulation of revised training program

CRIME AND CRIMINAL TRACKING NETWORK & SYSTEMS – TAMIL NADU   Page 6

CAPACITY BUILDING - CCTNS TN

2.2.Approach

Review of Training administered to Police Personnel

✓ Perform a skill analysis using the current training program
✓ Determine the percentages of people to whom the training program has already been administered

Itemizing Capacity Building under the CCTNS – Program

✓ Determine the minimum skill requirement for the type of trainings given
✓ Perform a GAP analysis to see if any other training is required
✓ Based on GAP analysis determine the types of training to be imparted for CCTNS

CRIME AND CRIMINAL TRACKING NETWORK & SYSTEMS – TAMIL NADU   Page 7

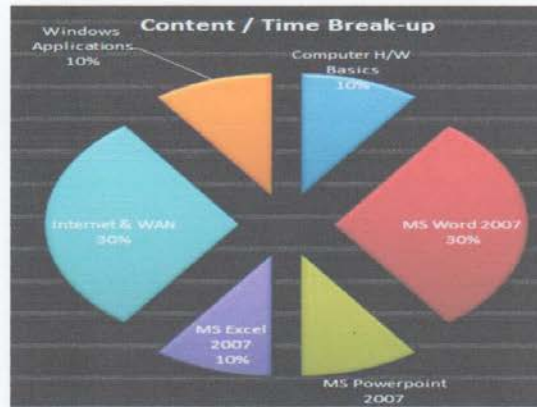# NIIT technologies   CAPACITY BUILDING - CCTNS TN

2.3. Comparison of current training program and course content (AS-IS) & (TO-BE)

The current training programs include
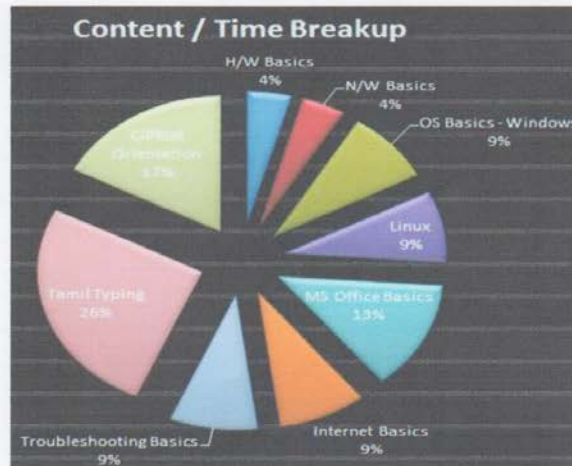
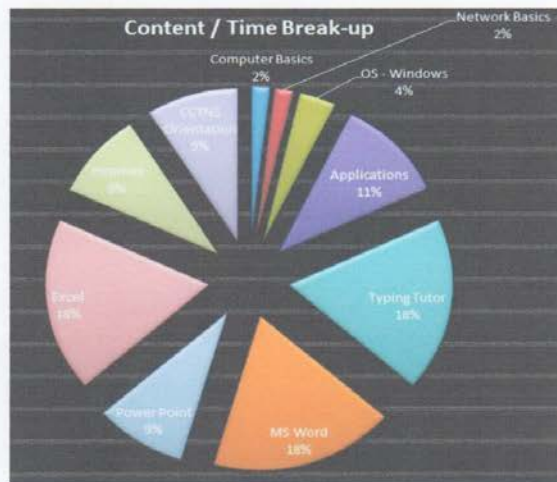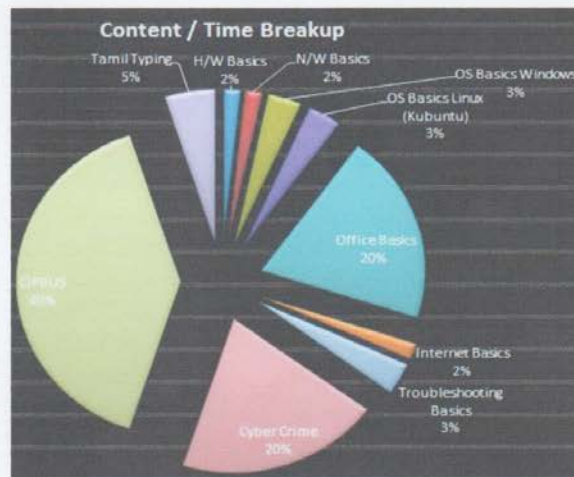### 2.3.1. PTC Current Curriculum - Constables

[AS-IS] Duration: 18 Hrs.

Content / Time Break-up

- Windows Applications 10%
- Computer H/W Basics 10%
- MS Word 2007 30%
- MS Powerpoint 2007
- MS Excel 2007 10%
- Internet & WAN 30%

[TO-BE] Duration: 24 Hrs.

Content / Time Breakup

- H/W Basics 4%
- N/W Basics 4%
- OS Basics - Windows 9%
- Linux 9%
- MS Office Basics 13%
- Internet Basics 9%
- Troubleshooting Basics 9%
- Tamil Typing 26%
- CIPRUS Orientation 13%

CAPACITY BUILDING – CCTNS TN

NIIT technologies

2.3.2. TNPA – Current Curriculum for S.I's
[AS-IS] Duration: 80 Hrs.

Content / Time Break-up

- Network Basics 2%
- Computer Basics 2%
- OS - Windows 4%
- CCTNS Orientation 5%
- Applications 11%
- Internet 5%
- Typing Tutor 18%
- Excel 18%
- Power Point 5%
- MS Word 18%

[TO-BE] Duration: 80 Hrs.

Content / Time Breakup

- Tamil Typing 5%
- H/W Basics 2%
- N/W Basics 2%
- OS Basics Windows 3%
- OS Basics Linux (Kubuntu) 3%
- Office Basics 20%
- Internet Basics 2%
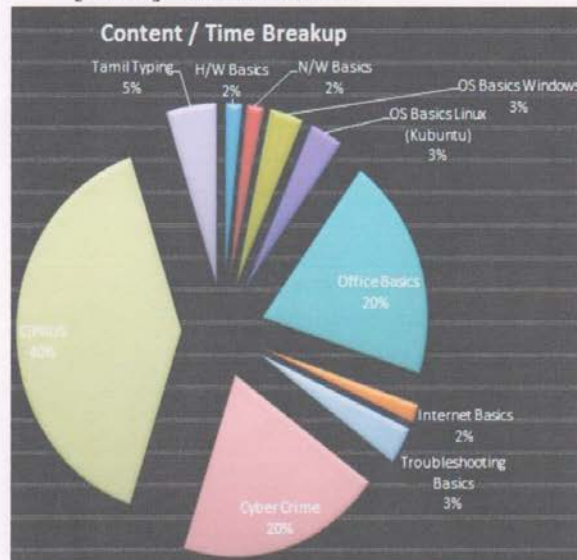- Troubleshooting Basics 3%
- Cyber Crime 20%
- CIPRUS 40%

NIIT technologies

CAPACITY BUILDING - CCTNS TN

2.3.3. PCCC – Current Training Program for In-Service Personnel
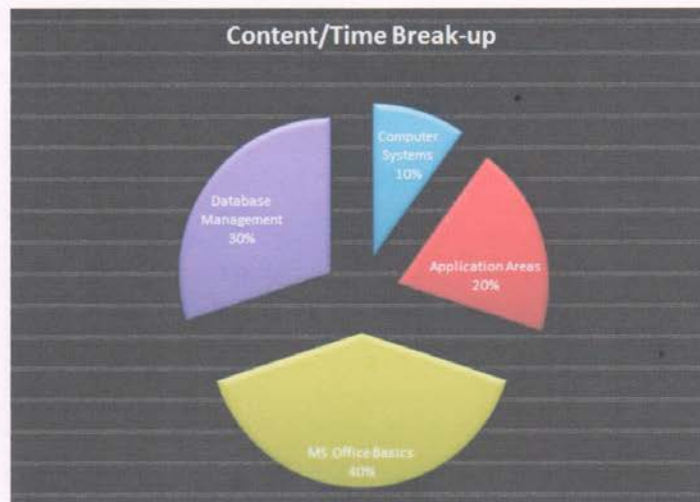### [AS-IS] Duration: 88 Hrs.

Content / Time Break-up

- Windows Applications 9%
- Computer H/W Basics 9%
- Windows XP / Typing Tutor 9%
- MS Word 2007 28%
- MS Powerpoint 2007
- MS Excel 2007 9%
- Internet & WAN 27%

[TO-BE] Duration: 88 Hrs.

Content / Time Breakup

- Tamil Typing 5%
- H/W Basics 2%
- N/W Basics 2%
- OS Basics Windows 3%
- OS Basics Linux (Kubuntu) 3%
- Office Basics 20%
- Internet Basics 2%
- Troubleshooting Basics 3%
- Cyber Crime 20%
- CIPRUS 40%

CRIME AND CRIMINAL TRACKING NETWORK & SYSTEMS – TAMIL NADU   Page 10

CAPACITY BUILDING - CCTNS TN

NIIT technologies

2.3.4. SCRB - Basic Training for Advanced Users Current Curriculum

Content/Time Break-up

List of audience to whom the above mentioned trainings have been administered.

RANK	STRENGTH	%
JC	3	0.01%
SP/DC	40	0.10%
ADSP	35	0.09%
DSP	315	0.80%
INS	1063	2.71%
SI	3909	9.96%
SSI	4454	11.35%
HC	10610	27.04%
OTHERS	11804	30.08%
DEO	260	0.66%
RPC(I)	3432	8.75%
RPC(II)	2296	5.85%
SI CADETS	1023	2.61%
ONLY RPC & RSI	6751	17.20%
WITHOUT RPC &RSI	32493	82.80%
GRAND TOTAL	39244	

List of people above is as of **21st December 2011**

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2.4. Assessment of Training Needs

2.4.1. Minimum Skill Requirement

CIPRUS Application User Training

Competency	Skills	Knowledge Check
Computer H/W	Basic Hardware Knowledge Input / Output Devices	Assessment
Ubuntu Linux	Basic Operating System Knowledge	Assessment
Domain Knowledge	Police Domain Knowledge	Assessment
Tamil Typing	80% Accuracy	Typing Test

TOT – Training Of Trainers

Competency	Skills	Knowledge Check
Computer H/W	Sound Hardware Knowledge Input / Output Devices	Written Test
Ubuntu Linux	Good Operating System Knowledge	Assessment
Domain Knowledge	Knowledge of Process Flow of Police Domain	Assessment
Presentation Skill	Good Presentation Skills,	Review
Language Skill	Effective Communication skills	Assessment

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Technical Training - System Administrator

Competency	Skills	Knowledge Check
Computer H/W	Advanced Computer H/W Knowledge, Identify Computer Hardware	Assessment
Ubuntu Linux	Proficient Operating System knowledge, OS Installation, Shell Commands, Configure and install applications using command line and package manager	Assessment
Network	Advanced Networking Knowledge, Configuring DHCP &DNS, Understanding of Networking Components Modem ,Router, Switch & Hubs, Network Troubleshooting	Assessment
Typing	30 WPM with 80% Accuracy	Typing Test

CRIME AND CRIMINAL TRACKING NETWORK & SYSTEMS – TAMIL NADU   Page 13

CAPACITY BUILDING - CCTNS TN

2.5.GAP ANALYSIS

- There is no specific process for selection of people who possess the minimum skills required for CIPRUS Application User training / System Administrator training

- The current Basic IT training syllabus does not have Linux or open office as a part of their syllabus

- Tamil typing is not given as an activity in the current training syllabus

- Operation and maintenance troubleshooting techniques tailored to suit the CCTNS project should also be a part of the training syllabus

- There is no precise syllabus for the Training of Trainers / System Administrators currently available; we need to incorporate training etiquettes in the TOT syllabus.

- Trainers to be identified exclusively for Computer Basics & CCTNS Training at Tamil Nadu Police Academy and Police Training College

- Trainers identified for Computer Basics & CCTNS training should undergo the "Training of Trainers (TOT)" program for CIPRUS software.

- A rotation policy should be in place for constables who are allocated as data entry operators every 2 to 3 years with new inductees / fresh recruits.

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3. REFRESHER / REPEAT TRAININGS

Trainer	Location	Audience	Type of Training	Duration (Days)
NTL	Zone HQ	TOT's from the Districts	TOT –Refresher Training	1
TOT	District Training Centres	SHO, SI & others as needed	User Refresher Training	1

Train the Trainers (TOT) – District Training Centres

Type   : TOT – Training Of Trainers

Duration: 3 days (8 Hrs. per day)

Workshops covering effective presentation skills and coaching techniques and discussing the benefits and structure of the trainer model

- Formal CCTNS training which will consist of all modules of CCTNS relevant for their role

- Teach-back session where trained trainers will present course content and receive feedback regarding content, flow, and presentation techniques

- End User training Sessions

Type   : Refresher Training – CIPRUS Application User

Duration: 3 days (8 Hrs. per day 9am – 6pm)

- Course Presentation (PowerPoint Slides)

- CIPRUS Demonstration by Instructor - providing exposure to a real life scenario post implementation of CIPRUS (CIPRUS - Application training environment)

- Hands-on Practice Exercises for the Trainees based on case studies and simulations (CIPRUS - Application training environment)

- Course Evaluations - Knowledge Check

- Typing Practice – Using Shakalbharathi Tamil fonts

CRIME AND CRIMINAL TRACKING NETWORK & SYSTEMS – TAMIL NADU   Page 15

CAPACITY BUILDING - CCTNS TN

4. TRAINING CONTENT

4.1. Types of Training Content

- PowerPoint Presentation Slides – Each type of training will have separate presentations

- CIPRUS User Handbook

- CIPRUS User Manual

- Case Studies and Simulation Modules – To be used in practice sessions

- Practice Session Scenarios – To impart hand on experience in CIPRUS

- Assessments - Knowledge Evaluation Assessments

5. FORMULATION OF REVISED TRAINING PLAN

Mandatory Training Course for New Hires / Transferred Police Personnel

The existing curriculums at PTC for PC's , TNPA for S.I's and PCCC for in-service Police Personnel have been tailored as an integrated curriculum with varying duration to the suit the needs of the CCTNS project and shall be incorporated as a part of the current training curriculum for training Newly recruited and in-service Police Personnel. The training matrix is as follows

TRAINER	INSTITUTIONS	TARGET AUDIENCE	DURATION
TOT'S FROM SCRB	Police Training College (PTC)	Police Constables	24
TOT'S FROM SCRB	Tamil Nadu Police Academy (TNPA)	Sub Inspectors	60
TOT'S FROM SCRB	Police Computer Communication Centre (PCCC)	In-Service Personal	80

Note: The TOT's from SCRB will only be facilitating training on the CCTNS part of the curriculum which includes the core application software (CIPRUS) until resources local to the institutions are identified for future training facilitation.

CRIME AND CRIMINAL TRACKING NETWORK & SYSTEMS – TAMIL NADU Page 16

CAPACITY BUILDING - CCTNS TN

INTEGRATED TRAINING CURRICULUM - COMPUTER BASICS		DURATION		
		PTC	TNPA	PCCC
Topic	Sub-Topics	Hrs.	Hrs.	Hrs.
H/W Basics	Computer H/w configuration Block Diagram- Of a Computer I/o - Mouse, Keyboard, Printers, Scanners, MFP's Optical Devices - CD/DVD Storage Devices - HDD / USB Flash Drives Setting up a PC	1	1	8
N/W Basics	Identification of different types of cables Networking Devices - Switch/NIC/Router	1	1	4
OS Basics	OS - Startup, Shutdown, Restart Desktop, Icons, Windows Resizing Directory Structures-Files, Folders Copy, Move, Delete, Search - Files & Folders Launching Applications Taskbar - Setting up Date/Time	2	2	8
OS Basics	OS - Startup, Shutdown, Restart Desktop, Icons, Windows Resizing Application Management Connecting Printer Connecting to the internet System Settings	2	2	8
MS Office / Open Office Basics	MS / OF - WORD - document Manipulation Create, Append & Save Fonts & Formatting - Text, Page , Symbols, Bullets, Header & Footer, Line Spacing Shortcuts - for various events in MS / OF - word MS / OF - EXCEL - Spread Sheet Manipulation Create, Append & Save Formulas - Mathematical operations Fonts & Formatting - Text, Page, Header & Footer, Line Spacing, Borders, Shading & Format for printing Work Sheet - Manipulation Shortcuts - for various events in MS / OF - Excel MS / OF -PowerPoint-Manipulation of Slides Formatting Presentation - Slide layout, Slide Design, Slide background Creating Animation Schemes Printing - Slides & Handouts	3	12	14

CRIME AND CRIMINAL TRACKING NETWORK & SYSTEMS – TAMIL NADU | Page 17

NIIT technologies   CAPACITY BUILDING - CCTNS TN

Topic	Sub-Topics	Hrs.	Hrs.	Hrs.
Internet Basics	Introduction to the internet	1	1	8
	Internet Browsers - searching using the web			
	Emailing - Using Browsers, Email Clients			
Troubleshooting Basics	Computer /PC - Power / Boot Issues	2	2	4
	Printer - Not Printing, Paper stuck, Poor quality of printing			
	N/w - Network not working, Computer not available on the network			
	Power Related-UPS not working, battery not charging			
Cyber Crime	IT Act, 2000 and amendments to other acts and Codes	2	12	0
	Cyber Crimes & Internet Crimes – Prevention and Investigation and Appreciation of Digital Evidence			
	Computer related crimes			
	E-mail tracking			
	Computer Forensics – issues and challenges			
	Cyber Security			
	Cell Phone, Surveillance Techniques, IP Cameras, Satellite imagery, GIS/GPS, RFID Technology			
Ciprus - Introduction, Registration, Investigation & Prosecution	Introduction to CCTNS,NIC Linux 6.0,CIPRUS,Loggin on to CIPRUS, User Creation	4	24	24
	Creating a new FIR using CIPRUS			
	Investigation for registered FIR			
	Prosecution for registered FIR			
Tamil Typing	Practice Typing in Tamil	6	3	10

6. INITIATIVES / REWARDS / CERTIFICATES

- SCRB to provide Participation Certificates and Merit Certificates to those who have undergone the CIPRUS / CCTNS training

- A Grading system is to be used for the Merit Certificates with the below mentioned hierarchy

    - O - Outstanding

    - A - Excellent

    - B - Good

    - C - Average

CRIME AND CRIMINAL TRACKING NETWORK & SYSTEMS – TAMIL NADU   Page 18

CAPACITY BUILDING - CCTNS TN

- Depending on the Grades obtained, resources are to be allotted various roles including
  - Data Entry Operator
  - Training of Trainers (TOT)
  - System Administrator
- Recommendation of monitory benefits to Merit Candidates to be made to the District Superintendent of Police

7. MONITORING & EVALUATION

7.1. MONITORING

Monitoring software is to be devised to track the various trainings that happens and to maintain a database of the following

- Training Venues
- Profile of Resource Personnel (TOT's)
- Maintaining a list of trained Personnel with end to end information with GPF / CPS no. as a unique identifier
- Reporting should be available for the following
  - Tracking of Resource Personnel for training (TOT's)
  - Tracking Availability of Training Venues
  - Tracking and scheduling based on requirement of various types of training including refresher trainings
  - Tracking Merit of Trained Personnel using internal assessment
  - Tracking the present posting of trained personnel

CRIME AND CRIMINAL TRACKING NETWORK & SYSTEMS – TAMIL NADU   Page 19

NIIT technologies   CAPACITY BUILDING – CCTNS TN

- Daily, Weekly, Monthly, Quarterly & Annual reports with bifurcation based on Police Rank, Skill Set, Location & Frequency

7.2. EVALUATION

There will be two stages of evaluation at the end of training.

- **Assessments**
  - Assessment on Computer Basics
  - Theoretical Assessment on CIPRUS
  - Practical Assessment on CIPRUS
  - Tamil Typing Assessment

- **Grading**

  Based on average scores with specific weightage on the above mentioned assessment the following grades are to be awarded

  - O - Outstanding
  - A - Excellent
  - B - Good
  - C - Average

16. Annexure: 'D'   Specimen of FIR (Thiruvallur, Tamil Nadu)

Annexure 'D'

TAMILNADU POLICE

FIRST INFORMATION REPORT
(Under Section 154 Cr.P.C)

1. District: **TIRUVALLUR**   PS: **THIRUVALLUR**   Cr.No.: **146/2013**   Date: **22–04–2013**

2. Act

	Sections
IPC;INDIAN PENAL CODE, 1860	457
IPC;INDIAN PENAL CODE, 1860	380

3. a. Day of Occurrence:**SUNDAY**   Date From: **21–04–2013**   Date To:

   b. Time Period: Time from: **17.00 Hrs**   Time To:

   c. Information received at PS. Date: **22–04–2013**   Time: **16.30 Hrs**

4. Type of Information: **WRITTEN**

5. Place of Occurrence: a. Direction and Distance from PS: **WEST**   & **12.0 Km**   Beat No: **BEAT 2**

   b. Address: **GOVERNMENT SCHOOL, PATTARAI PERUMANTHUR**

   c. In case, Outside the limit of the P.S,then the Name of P.S: District:

6. Complainant's Name: **PRIYADHARSHINI**   Age: Nationality: **INDIA**

Father's/Husband's Name : **TEACHER**

Address: **GOVERNMENT SCHOOL, PATTARAIPERUMANTHUR VILLAGE, THIRVALLUR T.K**

Occupation: **TEACHER**   Passport No.:   Date of Issue: Place:

7. Details of Known/Suspect/Unknown accused with full particulars

   NOT KNOWN

8. Reason for delay in reporting by the complainant:

9. Particulars of the properties Stolen:

Property Name	Property Values	Status
COMPUTER ACCESSORIES	Rs. 0/–	Stolen
CPU	Rs. 0/–	Stolen
(OTHERS) AS PER DESCRIPTION	Rs. 0/–	Stolen
(OTHERS) AS PER DESCRIPTION	Rs. 0/–	Stolen
KEY BOARD	Rs. 0/–	Stolen
(OTHERS) AS PER DESCRIPTION	Rs. 0/–	Stolen

10. Total value of property stolen:

11. Name & Address of the Deceased:

PS: THIRUVALLUR TALUK (TIRUVALLUR)   Cr.No.: 146/2013

FIRST INFORMATION REPORT

12. FIR CONTENTS

பணிந்து அனுப்ப படுகிறது :- இன்று 22.4.13 ந் தேதி மாலை 16.30 மணிக்கு காவல் ஆய்வாளர் ஆகிய நான் நிலைய ஆஜரில் இருந்த போது திருமதி. பிரியதர்ஷினி தலைமை ஆசிரியர், அரசு உயர் நிலையப் பள்ளி, பட்டரை பெரும்புதூர் என்பவர் நிலையம் ஆஜராகி கொடுத்த புகார் பின் வருமாறு. அய்யா, ப.பிரியதர்சினி ஆகிய நான் 1.6.08 முதல் அரசு உயர் நிலைப்பள்ளி, பட்டரை பெரும்புதூரில் தலைமை ஆசிரியராக பணிபுரிந்து வருகிறேன். எனக்கு தற்போது மெட்ரிக் பள்ளி ஆய்வாளராக பொறுப்பு அளிக்கப்பட்டு இருந்ததால் 22.4.13 இன்று மெட்ரிக் ஆய்வாளர் அலுவலகத்தில் காலை 10.17 க்கு இருந்த போது எமது பள்ளி துப்புரவாளர் S.விஜயா பள்ளி திறப்பதற்காக வந்த போது பள்ளி பூட்டு உடைக்கப்பட்டு அலுவலகம் மற்றும் கணினி அறைகள் திறந்து கிடந்ததைப் பார்த்து எனக்கு 10.17 க்கு உடனடியாக தொலைபேசி மூலம் தெரிவித்தவுடன் நான் அங்கிருந்து உடனடியாக பள்ளிக்கு வந்து பார்த்துவிட்டு DEO, CEO PA, PTA தலைவர், CID அவர்களுக்கு தொலைபேசி மூலம் தகவல் தெரிவித்துவிட்டு CID அவர்கள் வந்தவுடன் அறைக்குள் சென்று பார்த்த போது கீழ் கண்ட பொருட்கள் திருடு போய் விட்டது கண்டியப்பட்டது. அறைக்குள் சென்று பார்த்த போது கீழ்க்கண்ட பொருட்கள் காணவில்லை. 6 Monitars (HP Compox PAO (ambqz Delux), 3 CPU, 1மைக், 1 வயர்கள் அடங்கிய பெட்டி, 1 Key board அலுவலகத்தில் அனைத்து வருக்கு அறைகளுக்கான சாவிக் கொத்துக்கள் ஒரு பீரோ சாவிக் கொத்து மேற்காணும் பொருட்கள் திருட்டு போனதை உடனடியாக கண்டு பிடிக்க ஆவண செய்யுமாறு பணிவுடன் கேட்டுக்கொள்கிறேன். இப்பள்ளி 3.7.59 முதல் உயர் நிலைப்பள்ளியாக இயங்கிக் கொண்டு இருக்கிறது. 27.7.96 முதல் இரவுக் காவலர் இல்லை என்பதையும் 21.4.13 5.00 மணிபோல் PWD மூலம் ரிப்பேர் வேலை நடந்து கொண்டு இருந்தது என்பதையும் 21.4.13 ஞாயிறு அன்று விடுமுறையின் போது மாலை 5.00 மணிக்கு மேல் நடைபெற்றுள்ளது என்பதையும் பணிவுடன் தெரிவித்துக் கொள்கிறேன். இப்படிக்கு Sd. ப.பிரியதர்ஷினி. இப்புகார் மனுவைப் பெற்று B2, திருவள்ளூர் தாலுக்கா காவல் நிலைய கு.எண். 146/13 u/s 457, 380 IPC வழக்கில் பதிவு செய்து இதன் உண்மை நகலை திருவள்ளூர் JM I நடுவர் அவர்களுக்கும் மற்ற நகல்களை சம்மந்தப்பட்ட அதிகாரிகளுக்கு அனுப்பியும் இவ்வழக்கை புலன் விசாரணைக்கு எடுத்துக் கொண்டேன்.

13. Action Taken: Since prima–facie cognizable offence is made out, a case is registered as mentioned in item No.2. I, the undersigned took up the investigation.

FIR read over to the complainant. Admitted to be correct & a copy given to the complainant at free of cost.

14. Signature / Thumb Impression of the Complainant

15. Date & Time of despatch to court: **22-04-2013**

Signature :

Name : **EKKAMBARAM**

Rank : **INSPECTOR OF POLICE**   No.:

17. Annexure: 'E' Petition Receipt (Thirvallur, Tamil Nadu)

Annexure 'E'

TAMILNADU POLICE

PETITION RECEIPT

Police Station : **THIRUVALLUR TALUK**　　　　District : **TIRUVALLUR**

CSR No.　**136/2013**

1. Date & Time of Receipt :　　　22-04-2013 22:30
2. Place of Occurrence :　BANGALA THOPPU, KAKKALUR
3. Petitioner :　KUMAR [34]
   (S/O) MUNUSAMI, BANGALA THOPPU ST, KAKKALUR VILLAGE, THIRUVALLUR T.K
4. Counter Petitioner :　ELUMALAI
   (S/O) RAGAVAN, KAKKALUR VILLAGE, THIRUVALLUR T.K
5. Nature of the Petition :　**ASSAULT**
6. Gist of the Petition :

வாதியின் நிலத்தில் எதிர் மனு தாரர் பள்ளம் வெடியதை வாதி கேட்டதற்கு அடித்து மிரட்டியதாக புகார் மனு

Thumb Impression / Signature Of the Petitioner

Signature

RAVI- HC

Note : Please Visit *http://www.cctnstn.gov.in* to know the latest status of your petiton using CSR No. *136/2013*

Report taken on : 23-04-2013 5:11 PM　　　**17**　　　N.I.C & TN–Police

18. Annexure: 'F' Project status as on 29 April 2013 (Jharkhand)

Annexure 'F'

CCTNS Project Status for Jharkhand as on 29th Apr 2013

Basic Information			
	Name	Designation	Contact Detail
Nodal Officer Details	SHRI RAJ KUMAR MALLICK	NODAL OFFICER	9431139001
Sub-ordinate officer Details	Shri Ravi Kant Thakur	DY.NODAL OFFICER	Email: sp-wireless@jhpolice.gov.in Mobile:9470590845
State Designated Agency	Jharkhand Police Housing Corp. Ltd		
BSNL Details	Mr.U.P.Shah ,	DGM	09431120105
System Integrator Details (Company Name & Project Manger Details)	NIIT Technology Ltd Mr. Bharat Kumar Sahoo ,	GM	bksahoo@niit-tech.com,09810306314
SPMU Details (SPMC – If SPMU not onboard) (Company Name & Project Manger Details)	TCIL Yogesh Kumar		Phone:09546819868

System Integrator (SI)	
Name of SI / Status of SI Selection	NIIT Technologies Ltd.
Contract signed value vs Amount sanctioned for SI vide PIM report (Rs. Lakhs) *excluding finger readers	33.48/60.89 24th Sept 2011
Amount to be funded by the State (out of total SI quote) (Rs. Lakhs)	-
Total Payment Released to System Integrator (Rs Crore)	18.00

Activities undertaken by System Integrator (SI)					
	Pilot Sites		All Sites		
	Number of Pilot Sites	Number of Pilot Sites Completed	Total Number of Sites	Total Number of Sites Completed	Remarks
1. Site Survey	101	101	628	628	
2. Site Preparation	101	101	628(560)	538	CIPA locations will be excluded while site preparation
3. Hardware (Client System / Computers)	101	101	628 (560)	560	
4. Data Digitization	101	101	628 (560)	550	
5. Networking / Connectivity	101	101	628	143	
6. Status of State Data	S.No	Activity			Status (Not Started / Started / Completed)

Page 1 of 4

CCTNS Project Status for **Jharkhand** as on **29th Apr 2013**

Centre	1	Site Survey of the Data Centre		Completed
	2	Hardware Delivery at SDC as per BOM		Completed
	3	Installation and Configuration of Hardware & Software		Completed
	4	Deployment Of CAS		Completed
7. CAS Customization / Software	**S.No**	**Activity**		**Status (Not Started / Started / Completed)**
	1	Requirement Gathering		WIP
	2	FSR Signoff Date		Not Started
	3	SRS Signoff Date		Not Started

SPMU	
Date of signing of the contract	12th November 2012.
Advanced Payment Released to SPMU	yes

Data Centre /Disaster Recovery and Networking and connectivity solution	
Status of State Data Centre (of MMP of DIT)	Not operational
Incase, SDC not operational, please specify (Name and location) of alternate DC	Jharkhand Police Data centre, Dhurwa
State Data Centre Address / Alternate Data Centre.	Jharkhand Police Data centre, Dhurwa
Status of Data Recovery Centre	NIC Delhi (Not operational)
Incase, DRC not operational, please specify (Name and location) of alternate/ temporary DRC identified	N/A
Is the DRC site located in a different seismic zone (Yes/ No)	Yes

BSNL	
No. of location for Survey v/s Locations in which survey completed	796/796 Completed

Feasibility Status

S.No	Type of Connectivity	Number of feasible locations.
1	SWAN	345
2	VoBB	264
3	WiMAX	31
4	VSAT	57
5	Co-Location	99

BSNL - Current Milestone	Demand Note Payment Released	Payment Released (Yes/ No)	Yes

CAS installation and Bugs reporting

Page 2 of 4

CCTNS Project Status for Jharkhand as on 29th Apr 2013

CAS installation and Bugs reporting							
• Installation of CAS CD (Y/N):	Yes						
• Formation of User Group for testing at SCRB (Y/N):	Yes						
• Testing Started at State / UT (Y/N):	Yes						
• Reporting of Bugs (Y/N):	Yes						

Funding Release and Utilisation (In Lakhs)							
Total funds approved as per PIM report (Sanctioned Note) (In Lakhs)					Rs. 3944.35 lakhs		

Funds Released (In Lakhs)							
	SPMC	CB (Training)	CB (Infra)	SPMU	System Integrator	Networking	Other heads (For Advanced States)
First Instalment 2009-2010	93.75	39.63	178.0				
Second Instalment 2009-2010							
Third Instalment 2010-2011							
Fourth Instalment 2011-12			26.0	60.42	288.78		
Fifth Instalment 2011-12					283.01	42.13	
Sixth – Instalment 2011-12					309.74		
Seventh – Instalment 2011-12					62.09		
Eighth – Instalment 2011-12							
Total Fund Released under each head	93.75	39.63	204	60.42	943.62	42.13	

Funds Utilisation under each head							
Fund Utilisation under each head	89.07	31.57	177.29	0	1088.3	0	
% Utilization under each head	94.93%	26.23%	81.78%	0%	115%	0	
Total fund utilisation	1386.23		% Utilization	99%		Interest earned	

CB (Infrastructure Strengthening)				
	RPCTC	DTC	RTC/PTC	SCRB
Total Units		26	1	1
Work Completed		26	1	1
Work In Progress				
Work not Started				
Name of the agency undertaking the activity				

Page 3 of 4

CCTNS Project Status for **Jharkhand** as on 29th Apr 2013

Capacity Building (Training)

Total No. of Police Personnel (As Per PIM Report)				
Group A : (SP and above): 110		Group B: (ASI and above): 8946	Group C: (Constable and above): 56611	
Total Personnel Planned for various types of trainings		42426	Total Personnel Trained under various types of trainings	42426

Group A				Group B								Group C							
Awareness and sensitization		Basic Computer & Role based training		Awareness and sensitization		Basic Computer & Role based training		Trainers Training		Administration & Support Training		Awareness and sensitization		Basic Computer & Role based training		Trainers Training		Administration & Support Training	
Target for training	Actual trained	Target for training	Actual trained	Target for training	Actual trained	Target for training	Actual trained	Target for training	Actual trained	Target for training	Actual trained	Target for training	Actual trained	Target for training	Actual trained	Target for training	Actual trained	Target for training	Actual trained
	00	110	50	00	00	2000	2000	00	00	00	00	00	00	40316	40316	00	00	00	00

Meetings (Last Meetings)	
State Empowered Committee (Meeting Details – Date & Agenda)	SEC held on 25th March 2013. Agenda – Project status update and resolution of OEM change of Genset.
State Apex Committee (Meeting Details – Date & Agenda)	
District eMission Team (Meeting Details – Date & Agenda)	
State Technical Evaluation Committee (Meeting Details – Date & Agenda)	

Issues:

SPMU:	
System Integrator :	1. SI has proposed change in the OEM of Generator.
BSNL :	
Pending Matter with MHA / NCRB	
Others	

Page 4 of 4

19. Annexure: 'G' Specimen FIR (Jharkhand)

Annexure 'G'

N.C.R.B
I.I.F.-1

FIRST INFORMATION REPORT
(Under Section 154 Cr.P.C.)

1. District: राँची   P.S.: जगरनाथपुर   Year: 2013
   FIR No: 0092   Date: 01/05/2013

2.
S.No.	Acts	Sections
1	भा दं सं 1860	341
2	भा दं सं 1860	323
3	भा दं सं 1860	379
4	भा दं सं 1860	504
5	भा दं सं 1860	34

3. (a) Occurrence of offence:

   1. Day: Date From: Date To:

   Time Period: Time From: Time To:

   (b) Information received at P.S.:   Date: Time:

   (c) General Diary Reference: Entry No.: 005   Time: 15:13 बजे

4. Type of Information : लिखित

5. Place of Occurrence:

   1. (a) Direction and distance from P.S :   Beat No:

   (b) Address:

   (c) In case, outside the limit of this Police Station, then:

   Name of P.S: District(State):

6. Complainant / Informant:

   (a) Name: विकास कुमार

   (b) Father's/Mother's/Husband's Name: विद्यानन्दन प्रसाद

   (c) Date/Year of Birth: (d) Nationality: भारत

   (e) UID No:

   (f) Passport No.:   Date of Issue: Place of Issue:

   (g) Occupation:

   (h) Address:

S.No.	Address Type	Address
1	Present Address	बी/1550,सेक्टर 2,साईड 4,राँची,जगरनाथपुर,राँची,झारखंड,भारत
2	Permanent Address	बी/1550,सेक्टर 2,साईड 4,राँची,जगरनाथपुर,राँची,झारखंड,भारत

1

N.C.R.B
I.I.F.4

Mobile: 91-9431326322

(i) Phone number:

7. Details of known/suspected/unknown accused with full particulars:

8. Reasons for delay in reporting by the complainant/informant:

9. Particulars of properties of interest:

S.No.	Property Type	SubType	Value(in Rs/-)

10. Total value of property stolen (In Rs/-):

11. Inquest Report / U.D. case No., if any:

12. First Information contents:

मैं विकास कुमार पिता विद्यानन्दन प्रसाद स0 आ0स0 बी/1550 मे रहता हूँ आज दिनांक 18.4.13 को अपने कार्यालय से घर पहुँचा उसी समय करीब 7.30 बजे मेरे गेट के सामने विकास सिंह पिता चुनचुन सिंह आ0स0 बी/1557 मे रहता है एवं उसका भाई गुड्डू सिंह एवं अन्य चार पाँच व्यक्ति जिसे देखने पर पहचान लूँगा मेरे गाड़ी लगाते ही ये लोग मेरे साथ मारपीट करने लगे किसी तरह में जान बचाकर भागा ये लोग पिस्टल, चाकू से लैस थे तब मैं थाना आया

13. Action taken: Since the above information reveals commission of offence(s) u/s as mentioned at Item No. 2.

(1) Registered the case and took up the investigation or

(2) Directed (Name of I.O.): Rama Shankar Singh   Rank: उपनिरीक्षक/ अवर निरीक्षक

No: 57   to take up the investigation or

                                               or

(3) Refused investigation due to:

(4) Transferred to P.S.:   District:

   on point of jurisdiction .

F.I.R. read over to the complainant/informant, admitted to be correctly recorded and a copy given to the complainant/informant free of cost.

R.O.A.C.

14. Signature/Thumb impression of the complainant / informant.:

15. Date and time of dispatch to the court :

Signature of Officer in charge, Police Station
Name: Anil Kumar
Rank: उपनिरीक्षक/ अवर निरीक्षक
No: 33

2