

3085 / DHA / Crime and Criminal Tracking Network & Systems (CCTNS)

19-9-2009.

1. Introduction

CCTNS Scheme has been 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).

The Ministry of Home Affairs has conceptualized CCTNS project as a Mission Mode Project under the National e-Governance Plan (NeGP). This is an effort of the Government of India to modernize the police force giving top priority to enhancing outcomes in the areas of Crime Investigation and Criminals Detection, enhancing effectiveness and efficiency of police functions, in information gathering, and its dissemination among various police organizations and units across the country, and in enhancing Citizen Services.

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

2. Objectives of CCTNS

The objectives of the CCTNS Project are:

- a. Provide Enhanced Tools for Investigation, Crime Prevention, Law & Order Maintenance and other functions like Traffic Management, Emergency Response, etc.
 - i. Utilize IT for efficiency and effectiveness of core policing operations
 - ii. Provide information for easier and faster analysis
- b. Increase Operational Efficiency by:
 - i. Reducing the necessity to manually perform monotonous and repetitive tasks
 - ii. Improving the communication e.g. Police messaging, email systems, etc.
 - iii. Automating back-office functions, and thereby release police staff for greater focus on core police functions
- c. Create platforms at State and Central levels for sharing crime and criminal information/ databases across states and across the country. This would

enable easy sharing of real-time information across police stations and districts at the State level and across states at the National level, thereby resulting in:

- i. Improved investigation and crime prevention
 - ii. Better tracking of criminals, suspects, accused, repeat offenders, etc.
- d. Create a platform for sharing intelligence across the states, across the country and across other state-level and GOI-level agencies
- e. Improved service delivery to the public/ citizen/ stakeholders
- i. Access to police services in a citizen-friendly manner
 - ii. Provide alternate modes of service delivery such as internet (for general requests such as NOC, for following up on status
 - iii. Example ministry of external affairs, road transport

3. Coverage of CCTNS

The CCTNS project covers all 35 states and union territories. Within the states, the 14,000+ police stations and 6,000+ higher offices (including District HQ, Range Offices, Commissionerates, State HQ, etc.)

4. Implementation Strategy

The implementation strategy of the CCTNS project has the following salient features:

- CCTNS would be implemented in conformance with the NeGP guidelines of “Centralized Planning and Decentralized Implementation”. Given that Law & Order and Police are state subjects, CCTNS would be implemented in a manner where States play the lead role. The planning would be centrally done by the MHA in consultation with the States.
- Appropriate Governance mechanisms would be created in alignment with NeGP guidelines to enable the implementation.
- National Crime Records Bureau (NCRB) would be the central nodal agency that would manage CCTNS at GOI level on behalf of MHA.
- In order to ensure accountability and performance from deployment vendors, CCTNS would adopt an “integrated service” approach rather than the approach of procuring solution components (such as hardware, networking equipment, application, capacity building services, etc.) in isolation from each other. Based on this approach, all solution components including hardware equipment and associated services would be “bundled” and a single Systems Integrator would be engaged by each State to offer the “bundle of services”.

This "bundle of services" would include project planning and management services, application development and management services, hardware (computers, peripherals, etc.), networking equipment, site preparation and deployment, capacity building, change management, onsite handholding, and systems maintenance.

- States will be provided a Core Application Software (CAS) which can be customized and deployed at the States by the State Level System Integrator to meet the specific requirements of the State. The System Integrator will further build the functionality required to cater for the additional services at the State.
- The implementation of CCTNS would pay special emphasis on aspects that are critical towards making CCTNS a success. These factors include localizing the solution appropriately (providing for state-wise differences in carrying out police functions, local language support, etc.), capacity building, onsite handholding and change management.
- In order to ensure accountability of vendors in the implementation of CCTNS, release of payments to vendors would be linked to their performance, which would be measured through their meeting the deployment milestones on time and within budget, adherence to pre-determined Service Level Agreements (SLA) and the performance of the system meeting pre-determined SLA.

5. Roles & Responsibilities

Appreciating the complexities involved in the implementation of a project of such large scale, CCTNS has been conceptualized as a combination of common and integrated foundation at the MHA and implementation leadership and operational independence at the State/UT-level. MHA will assist the States/UT governments at every stage of implementation and provide guidelines for all aspects of implementation of CCTNS. Broadly, the responsibilities of the MHA/NCRB and State/UT governments include the following:

	States and UT Governments	GOI (MHA and NCRB)
Funding	<ul style="list-style-type: none"> • Operating/ recurring costs (including manpower) • Management of the system beyond plan period 	<ul style="list-style-type: none"> • Funding for application hardware, connectivity, capacity building
Program Management	<ul style="list-style-type: none"> • Planning implementation at the state level 	<ul style="list-style-type: none"> • Overall planning, monitoring and program management

	<ul style="list-style-type: none"> Implementation, monitoring and assessment and program management at State level 	through Central PMU
Software Application	<ul style="list-style-type: none"> Customization and deployment of Core software Enhancements and extensions to the Core 	<ul style="list-style-type: none"> Core software to be developed at NCRB
Hardware and connectivity	<ul style="list-style-type: none"> Procurement, installation, operators management and infrastructure management of all state level infrastructure 	<ul style="list-style-type: none"> Procurement and deployment for the hardware needed at NCRB Guidelines to states where appropriate
Capacity Building	<ul style="list-style-type: none"> Implementation of change management and capacity building programs Planning training programs in states and implementation 	<ul style="list-style-type: none"> Capacity building and change management frameworks to be created and shared with states Training material provided where appropriate
Ownership and management of the system	<ul style="list-style-type: none"> Complete ownership and management of the systems lies with the states 	<ul style="list-style-type: none"> Owns and manages the systems deployed at NCRB

6. Current Progress

The following table lists the key activities related to CCTNS and the key points of communication between MHA and the States.

Activities	Date
Approval of CCTNS scheme by CCEA and Planning Commission	19/06/2009
Letter to States/UTs on <i>Implementation Guidelines</i> sent along with the following documents: <ol style="list-style-type: none"> Model Request For Proposal (RFP) for Selection of System Integrator (SI) at the States Capacity Building Guidelines Functional Requirements Specification (FRS) for the Core 	15/07/2009

Application Software (CAS)	
Letter to States/UTs regarding funds allocated under the following heads and its release based on fulfillment of certain pre-requisites: 1. S-PMC (25%) 2. Capacity Building for Strengthening of Institutions (100%) 3. Capacity Building for Personnel (10%)	21/07/2009
Expression of Interest (Eoi) issued for selecting Software Development Agency (SDA) at NCRB to develop the Core Application Software (CAS)	28/07/2009
Nodal Officers Workshop	20/08/2009 & 24/08/2009
Letter to States/UTs detailing the crucial steps State/UT Governments need to take and including the following annexures: 1. MoU to be signed between State/UT and Center 2. Guidelines for State Project Management Consultants 3. Fund Allocations & Discrepancies in the State Plans sent by States/UTs	29/08/2009

7. Next Steps at State/UT and Center

The following are the crucial steps to be taken up by the States/UT governments in implementing CCTNS:

- i. According to NeGP guidelines for Mission Mode Projects, signing of a Memorandum of Understanding (MoU) between States/UTs and Centre to initiate the implementation of the project.
- ii. Formation of State CCTNS Committees in alignment with NeGP guidelines, viz., the State Apex Committee, the State Empowered Committee, the State Mission Team and the District Mission teams.
- iii. Identification of a "State Designated Agency" for receiving CCTNS funds from the Centre

- iv. Selection of State Project Management Consultant (S-PMC)
- v. Creation of the comprehensive PIM Report based on the guidelines provided by the Centre
- vi. Detailed study at the State/UT level for identification of additional CCTNS requirements of your State/UT
- vii. Customization of the model RFP (Request for Proposal) provided by MHA for selection of Systems Integrator (SI)
- viii. Selection of a single Systems Integrator (SI) for implementation of CCTNS in the State/UT. The State/UT SI would be responsible for all aspects of implementing CCTNS (including hardware, connectivity, application deployment, capacity building, system maintenance, etc.).
- ix. Strengthening of Training infrastructure and commencing training programs based on the guidelines sent by MHA.

Similarly, following are the crucial steps at MHA and NCRB in implementing CCTNS:

- i. Release of model Project Implementation and Monitoring Report to States/UTs
- ii. Conducting Regional Workshops to provide further assistance to States/UTs
- iii. Issue of Request for Proposal for selection of Software Development Agency (SDA) for developing CAS
- iv. Selection of Software Development Agency
- v. Design and Development of CAS at NCRB
- vi. Detailed assessment of police systems through the Central Project Management Consultant (C-PMC) in order to identify opportunities for enhancing the CCTNS system and for developing data standards that could be uniformly adopted in order to achieve CCTNS objectives.
- vii. Establishment of a Central Program Management Unit (C-PMU) at NCRB in order to coordinate with States/UTs, offer States/UTs any support they may need in implementing CCTNS and for the overall monitoring of the CCTNS project.

8. Timelines for Implementation

Activity for States/UTs	Expected Date of Completion
Signing of Memorandum of Understanding (MoU) with the	10/09/2009 (T)

Center	
Formation of CCTNS Governance Structure as per the guidelines provided by MHA	Within T + 30 days
Identification of a "State Designated Agency" where the funds can be transferred	Within T + 30 days
Appointment of State Level Project Consultants (S-PMC) to assist the State / UT in the implementation of the project	Within T + 45 days
Prepare and Submit the Project Implementation and Monitoring Report (PIM) with assistance from the S-PMC	Within T + 120 days
Prepare Request for Proposal for selection of System Integrator at the State with the help of the S-PMC	Within T + 150 days

Activity at Center	Expected Date of Completion
Model Project Implementation and Monitoring Report (PIM)	September'09
Regional Workshops to provide further assistance to States	September'09
Issue of Request for Proposal for Selection of Software Development Agency (SDA) for developing CAS	September'09
Selection of Software Development Agency (SDA)	October'09
Design & Development of CAS	November'09
Detailed assessment of Police Systems	January'10
Setting up of C-PMU	January'10

9. Project Funding

CCTNS, being a 100% centrally funded scheme, will provide all states with the required funding to run the program in the current Plan period up to 2011-12.

The scheme would finance the following components under CCTNS:

- a. CCTNS application to address the police functionality under the scope of CCTNS
- b. Procurement and installation of hardware (including PCs and peripherals)
- c. Connectivity infrastructure
- d. Enhancement of state-level Data Centers
- e. Site preparation and commissioning
- f. Capacity building and handholding
- g. Digitization of historical data
- h. Data migration from legacy systems (if any)

These components would be provided as a "bundle of services" to be executed by a Systems Integrator at state level. Funds would be released only against the procurement of the prescribed "bundle of services" and not against the procurement of individual components thereof.

The following costs, if any, will be borne by the states:

- a. Building cost
- b. Civil infrastructure
- c. Manpower costs
- d. Recurring and operational costs such as electric power, consumables, communications tariffs, etc.

The following table provides the itemized cost breakup of the components for the plan period:

Expense Category	Total
Hardware/Site Preparation - Police Stations	326.29
Hardware/Site Preparation - Higher Offices	146.20
Specialized Infrastructure	339.04
Specialized Solutions	239.62
Application Software development	32.94
Data Centre at State/National Headquarters	226.53
Networking Infrastructure	100.39

Handholding Support	126.00
Project Management Consultancy	123.00
Monitoring & Coordination	25.80
Capacity Building	213.39
Digitization	100.8
Total	2,000.01

Funds release to States/UTs would be done on the basis of

- Submitted DPR
- Project Implementation and Monitoring Report
- Progress of implementation and achievements of goals

The following table provides the Maximum Funds which could be allotted to the state as per the DPR of GOI (in Lakhs) for entire Project (2009-2012). The State Governments will have to do the following activities for the release of funds:

- Signing of MoU between MHA and States/UTs
- Establishing Governance Structure along guidelines
- Identification of a "State Designated Agency" to release funds

S No	State/UT	Maximum Funds which could be allotted to the state as per the DPR of GOI (in Lakhs) for entire Project (2009-2012)
1	Jammu & Kashmir	2919.92
2	Jharkhand	3728.85
3	Orissa	5182.78
4	Rajasthan	5850.06
5	Sikkim	877.23
6	Nagaland	1268.26
7	Himachal Pradesh	1341.87
8	Manipur	1367.69
9	Dadar & Nagar Haveli	653.94
10	Mizoram	1115.90

11	Haryana	2802.69
12	Tamil Nadu	9420.88
13	Chattisgarh	3523.71
14	Delhi	2657.59
15	Gujarat	4826.53
16	Goa	980.96
17	Daman & Diu	651.64
18	Madhya Pradesh	6909.23
19	Karnataka	5412.90
20	Meghalaya	985.08
21	Lakshdweep	685.48
22	Andhra Pradesh	11960.84
23	Assam	3191.12
24	Bihar	7798.28
25	Chandigarh	736.60
26	West Bengal	3824.70
27	Uttar Pradesh	10608.59
28	Uttarakhand	1597.17
29	Tripura	1369.55
30	Puducherry	1035.69
31	Maharashtra	7977.96
32	Punjab	3051.08
33	Kerala	3929.05