



**INFORMATION TECHNOLOGY  
DEPARTMENT**

**POLICY NOTE  
2013 – 2014**

**DEMAND NO. 31**

**Mukkur N. Subramanian**

**Minister for Information Technology**

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Government of Tamil Nadu  
2013

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**CHAPTER – I**  
**INTRODUCTION**

It is the vision of our Hon'ble Chief Minister to make Tamil Nadu as India's most prosperous and progressive State with no poverty, and where its people enjoy all the basic services of a modern society and live in harmonious engagement with the environment and with the rest of the world.

Tamil Nadu is one of the foremost "Knowledge States" in the country. Tamil Nadu has been endowed with a capable human resource which is well suited to the needs of modern industry. The State ranks high with an annual turnout of about 1,92,000 Engineering Graduates and an equal number of trained Polytechnic students which offers immense scope for the establishment of Knowledge based Industries and Services in the State.

Information Technology has helped the transformation of Tamil Nadu into a modern economy. Tamil Nadu has emerged as one of the leading players and acknowledged Global leader in certain verticals of the

Information Technology (IT) and Information Technology Enabled Services (ITES) sector such as Banking, Financial Services and Insurance (BFSI), Health Systems Management, Computer Aided Designing (CAD) and Computer Aided Engineering (CAE).

The objectives of the Information Technology Department are as follows:-

- ❖ **Provide Government services, both informational and transactional to citizens at their door steps through Internet;**
- ❖ **Bridge the digital rural-urban divide;**
- ❖ **Make Tamil Nadu the Best State in IT enabled Governance;**
- ❖ **Substantially increase the software exports of Tamil Nadu;**
- ❖ **Provide Cable TV services to all households in Tamil Nadu at reasonable rates;**

- ❖ **Provide Tamil Education through web and taking Computing in Tamil to a higher level;**
- ❖ **Enhance the quality of life of citizens through Information and Communication Technology.**

In order to achieve the objective of providing Government services, both informational and transactional to citizens at their door steps, the Government is making all endeavors to provide various services to the citizens using Information Technology as a means of service delivery. An e-Governance Policy enumerating the above initiatives will soon be launched, which will enable the people of Tamil Nadu to get the benefits of the Technology.

An Information and Communication Technology (ICT) policy is also in the pipeline to take the IT revolution to next stage. An enhanced Rural Business Process Outsourcing (BPO) Policy was released by Hon'ble Chief Minister in July 2012. The policy envisages various incentives to companies starting Business Process Outsourcing (BPO) companies in rural areas of the State.

This has given a new impetus to the growth of BPO sector in Tamil Nadu.

Nearly 3,75,000 employees are employed in about 1780 IT/ IT Enabled Services (ITES) companies in the State, wherein, the IT revolution is taking place in a rapid phase. The software exports from the State during the year 2012-13 is expected to be around Rs.50,000 crores with an impressive growth rate of more than 10%. Continuous efforts are being taken to attract more IT/ITES investments in the State.

The Hon'ble Chief Minister has revived the Tamil Nadu Arasu Cable TV Corporation Limited and it is providing Cable TV services from 02.09.2011 to people at an affordable cost of Rs.70/- as monthly subscription. Continuous efforts are being made to improve its services to the people of Tamil Nadu.

## **CHAPTER – II**

### **ELECTRONICS CORPORATION OF TAMILNADU LIMITED (ELCOT)**

Electronics Corporation of Tamil Nadu Limited (ELCOT), registered under the Indian Companies Act of 1956, is a wholly owned Government of Tamil Nadu undertaking providing hand holding support to various Government Departments, Organizations, Boards, etc., in the area of Information Technology, e-Governance and Capacity Building. ELCOT is also involved in Hardware procurement and software development.

Major turnkey IT projects such as the Tamil Nadu State Wide Area Network (TNSWAN) and Tamil Nadu State Data Centre (TNSDC) have been established by ELCOT and maintained in a pioneering way. ELCOT is also involved in the procurement of “priceless Laptops” to students. ELCOT is a pioneer in the development of IT Special Economic Zones in the State.

The Hon'ble Chief Minister has given a brand identity to IT Special Economic Zones created by ELCOT by naming them as “ELCOSEZ” which facilitates marketing of ELCOSEZ's as the ‘Destinations of Choice’ for IT / ITES investments. The ELCOSEZ's have started to attract considerable investments in the State.

### **INFORMATION TECHNOLOGY SPECIAL ECONOMIC ZONES (ELCOSEZs)**

In order to spread the development of IT/ITES industry throughout Tamil Nadu, ELCOT has established eight ELCOSEZ in Chennai and seven Tier-II locations viz. Coimbatore, Madurai (2), Trichy, Salem, Tirunelveli and Hosur.

### **ELCOSEZ-SHOLINGANALLUR, CHENNAI**

Sholinganallur ELCOSEZ has been established in an area of 377.08 acres. The investment of ELCOT in this ELCOSEZ is around Rs.194 Crores. In this ELCOSEZ, lands have been allotted on lease basis to

major IT Companies such as WIPRO-80 acres, HCL-50 acres, Satyam-50 acres, Sutherland-15 acres and Cognizant Technology Solutions Limited -20 acres.

The major IT/ITES companies viz., M/s WIPRO have completed 27 lakhs sq.ft. building and are in operation with 19,000 employees. M/s HCL have constructed 10 lakhs sq.ft. building and started operations with 10,000 employees. In addition to that 22 lakhs sq.ft. IT Building construction work is under progress. M/s SATYAM have completed 6.25 lakhs sq.ft. building and are operating with 4,000 employees. M/s Cognizant Technology Solutions have commenced 28 lakhs sq.ft. building work which is under progress. The balance land available for allotment in this ELCOSEZ is 92.36 acres. In this ELCOSEZ, the common infrastructure work were completed at an estimated cost of Rs. 42 crores. In this ELCOSEZ, ELCOT has constructed 6358 sq.ft. administrative building with an investment of Rs.126 lakhs which was inaugurated by Hon'ble Chief Minister of Tamil Nadu on 15.10.2012.

### **ELCOSEZ-VILANKURICHI, COIMBATORE**

ELCOSEZ was established in 62 acres of land in Vilankurichi Village, Coimbatore. The investment of ELCOT in this ELCOSEZ is Rs.70 crores. ELCOT allotted lands to major IT Companies such as M/s WIPRO- 9.5 acres and M/s TIDEL Park Coimbatore Limited-9.5 acres in this ELCOSEZ. M/s WIPRO have constructed IT building in 3.5 lakhs sq.ft. and 90% of the construction has been completed. M/s Tidel Park Coimbatore Limited has completed the construction of 17 lakhs sq.ft. IT Building. Out of 17 lakhs sq.ft available, 9 lakhs sq.ft. has been allotted for IT purposes. Presently 4.56 lakhs sq.ft. has been occupied by 11 IT/ITES Companies. In this ELCOSEZ the creation of common infrastructure facilities work has been completed at an estimated cost of Rs. 19 crores.

**ELCOSEZ-ILANDHAIKULAM AND VADAPALANJI,  
MADURAI**

In Madurai, 28.91 acres of land in Ilandhaikulam Village and 245.17 acres of land in Vadapalanji have been alienated to ELCOT for establishing two ELCOSEZs by the Government of Tamil Nadu.

In the **Ilandhaikulam ELCOSEZ** the investment of ELCOT is Rs.32 crores. An IT building of 50,000 sq.ft has been constructed at an estimated cost of Rs.17 crores. In this ELCOSEZ, the common infrastructure facilities have been created at an estimated cost of Rs.7.00 crores. In this ELCOSEZ, 4.5 acres of land has been allotted on lease basis to M/s. Honeywell Technologies Limited and 2.25 acres to M/s.Chella Software Pvt. Ltd.

In **Vadapalanji ELCOSEZ**, the creation of common infrastructure facilities work was completed with an investment of Rs.14.00 crores. The total investment of ELCOT in this ELCOSEZ is Rs.45 crores. In this ELCOSEZ, 60 acres of land has been allotted on lease

basis to M/s. HCL Limited, 50 Acres of land to M/s. Sathyam Limited, 5 Acres of land to M/s. Sutherland Limited, 5 acres of land to M/s. Caliber Point, and 2 Acres of land to M/s. Health Plan System India Ltd.

**ELCOSEZ-NAVALPATTU, TIRUCHY**

In Tiruchy, Navalpattu Village ELCOSEZ was established in 147.61 acres of land. The Special Economic Zone (SEZ) status was obtained for 123.23 acres of land in this ELCOSEZ. The total investment of ELCOT in this ELCOSEZ will be Rs.60 crores.

In this ELCOSEZ the lands have been allotted on lease basis to the following companies:-

1. M/s Assyst International Pvt. Ltd - 3 acres
2. M/s Health Plan Systems (India) Pvt.Ltd - 2 acres
3. M/s iWave Systems Tech. Pvt. Ltd - 5 acres
4. M/s Unlimited Innovations India Pvt. Ltd - 5 acres
5. M/s Zylog Systems Limited - 5 acres
6. M/s iLink Multitech Solutions Pvt. Ltd. - 2 acres
7. M/s WNS Global Services Private Ltd. - 5 acres



The common Infrastructure in this ELCOSEZ has been completed at an estimated cost of Rs. 14.21 crores. The construction work of 50,000 sq.ft. IT building in this ELCOSEZ was completed at an estimated cost of Rs.19.00 crores.

In this IT building, space to an extent of 9,200 Sq ft has been allotted to IT/ITES Companies viz., M/s. iLink Systems Pvt. Ltd., and M/s Assyst Information Technologies Ltd, and they have commenced their operations. M/s Seventh Sense have been allotted space of 2,000 sq. ft. in this ELCOSEZ.

#### **ELCOSEZ-GANGAIKONDAN, TIRUNELVELI**

In Tirunelveli, Gangaikondan Village, an ELCOSEZ has been established in 500 acres of land. The SEZ approval was obtained for an extent of 190 acres of land. The total investment of ELCOT in this ELCOSEZ is Rs.50 crores.

In this ELCOSEZ 100 acres of land has been allotted on lease basis to M/s. Syntel International Limited,

2 acres of land was allotted to M/s. Deccan iServices in SEZ area and 25 acres of land was allotted to M/s. A & D Cosmic Power in non SEZ area. The common Infrastructure facilities work to an extent of 100 acres at an estimated cost of Rs.13 crores has been completed. ELCOT has constructed 50,000 sq.ft. IT building at an estimated cost of Rs.16.00 crores in this ELCOSEZ. In this IT building, space to an extent of 9000 sq. ft. has been allotted to M/s. KOMP SOS Media Private Limited.

#### **ELCOSEZ-JAGIRAMMAPALAYAM, SALEM**

In Salem-Jagirammalayam Village “ELCOSEZ” was established in an extent of 164.26 acres. In this ELCOSEZ, ELCOT’s investment will be Rs.33 crores. In this ELCOSEZ, the lands have been allotted on lease basis to the following IT/ITES Companies:-

- |  |             |
|--|-------------|
| 1. M/s. DB Professionals               | -3 Acres    |
| 2. M/s. Vee Technologies               | -3 Acres    |
| 3. M/s. Mahima Technologies Pvt. Ltd.  | -3 acres    |
| 4. M/s. GTP Infotech Solutions Limited | -2.5 acres. |

The creation of Common Infrastructure facilities for an extent of 53.33 acres is under progress at an estimated cost of Rs.10 Crores in this ELCOSEZ.

### **ELCOSEZ-VISWANATHAPURAM, HOSUR**

In Hosur, Viswanathapuram Village, ELCOSEZ was established in 174.47 acres. The investment of ELCOT in this ELCOSEZ will be around Rs.40 crores. In this ELCOSEZ, lands have been allotted on lease basis to the following companies:-

1. M/s. Okaya Infocom - 10 acres
2. M/s.CRM IT Solutions Pvt.Ltd. - 3 acres
3. M/s.CRM Infotek India Pvt.Ltd. - 2 acres

The creation of common Infrastructure work in this ELCOSEZ is under progress at an estimated cost of Rs. 24 crores. The construction of 50,000 sq.ft. IT building work is under progress at an estimated cost of Rs.15 crores.

### **VELLORE AND VILLUPURAM**

In order to establish Information Technology Parks in Vellore and Villupuram, identification of lands for setting up of the ELCOSEZ is under process. Further, a feasibility study for Vellore is also under progress.

### **Hardware Procurement**

ELCOT has been nominated by the Government as the Optional Procurement Agency for all Government Departments to procure IT related products and services. ELCOT is procuring and supplying IT Hardware with latest configuration like Servers, Desktop Computers, Laptop Computers, Printers, Scanners and all the Network devices at competitive price to various Departments. ELCOT has also procured Internet Protocol (IP) Camera Surveillance System for implementing in Government Offices. ELCOT has successfully implemented Village Administrative Officers (VAOs) Laptop scheme, Treasuries and Accounts Department Computerisation and Computerisation and Training of all the Village Panchayats.

### **Software Development**

ELCOT has implemented Farmer Crop Management System ( FCMS) which is being adopted in 8 pilot districts viz., Trichy, Tiruvarur, Vellore, Virudhunagar, Erode, Cuddalore, Ramanathapuram and Coimbatore. Touch screen KIOSKS are being planned which will enable the farmers themselves to update their knowledge on crop cultivation technologies. Currently the Implementation of “On-line Mining Tenement Registry System“ in the Geology & Mining Department and Stock Inventory Management with Hand held Billing machines in Agriculture Extension Centres (AEC) of Agriculture Department are in progress.

### **Distribution of Laptop Computer Scheme**

This is one of the pioneering schemes announced by the Hon'ble Chief Minister especially for the student community for acquiring better computer skills. The intended beneficiaries of the scheme are plus two students studying in Government and Government aided schools, students studying in Government and

Government aided Arts and Science and Engineering Colleges and Polytechnics in Tamil Nadu.

This scheme has become very popular among the students. ELCOT has been entrusted with the task of procuring Laptop computers for distribution to the students. For the year 2011-2012, 8,98,866 Laptops have been procured. The requirement for the year 2012-13 is 7,55,552 number of laptops and the distribution is under progress.

## **CHAPTER – III**

### **INFORMATION TECHNOLOGY INFRASTRUCTURE**

Information Technology (IT) Infrastructure is the integrated framework upon which digital network operates. The IT Infrastructure includes Data Centre, Computer networks and Database Management devices. Tamil Nadu is one of the few States in India to have a full fledged Wide Area Network and State Data Centre. Tamil Nadu has the following IT infrastructure at its disposal:-

- a) Tamil Nadu State Wide Area Network (TNSWAN)
- b) Tamil Nadu State Data Centre (TNSDC)
- c) ELCOT Data Centre
- d) National Knowledge Network (NKN)

#### **Tamil Nadu State Wide Area Network (TNSWAN)**

Tamil Nadu State Wide Area Network is a shared scheme between the State and Central Government at an estimated cost of Rs.181.69 crores (GOI share Rs.97.17 crores and State share is Rs.84.52 crores). TNSWAN having 708 Points of Presence

(POPs) has been established in the State by ELCOT and services such as Voice, Data, Internet and Video for the Government Departments are being provided through the Network. TNSWAN provides highly secured connectivity from 2Mbps to 8Mbps bandwidth to all the District Collectorates, Taluk Offices and Block Development Offices (BDOs) thereby facilitating the Government departments to access the servers placed at TNSDC. The Build, Own, Operate and Transfer (BOOT) Operation of the Network was completed on 30.11.2012 and action is being taken to continue the Operation and Maintenance of the Network in Phase -2.

#### **Tamil Nadu State Wide Area Network (TNSWAN) – Horizontal Connectivity**

In order to provide connectivity to Government Departments outside TNSWAN, for getting intranet facility for rolling out their applications and also to avail other services such as Voice, Data, Internet, Video Conferencing, etc., Horizontal Connectivity has been made available through TNSWAN Points of Presence (PoPs).

So far , Horizontal Connectivity has been provided to about 1853 offices of Government Departments such as Commercial Taxes, Tamil Nadu Water Supply and Drainage Board (TWAD), Tamil Nadu Health Systems Project (TNHSP), Treasuries & Accounts, Registration, Employment & Training, Forest, Tamil Nadu e-Governance Agency (TNeGA), State Health Society, Tamil Nadu Housing Board (TNHB), Survey and Settlement, Tamil Nadu Cement Corporation Limited (TANCEM), Tamil Nadu Civil Supplies Corporation, etc.

### **Broad Band Connectivity**

Technological advancements have shrunk the world and communications have become real time which demand more bandwidth. Broadband is one such high speed data transmission facility which can carry a large amount of data by offering more bandwidth. ELCOT is providing Broadband connectivity to Government Offices at competitive rates. About 25,000 Government offices including schools have been provided with Broadband connectivity .

### **Tamil Nadu State Data Centre (TNSDC)**

Tamil Nadu State Data Centre (TNSDC) is one of the core e-Governance back bone infrastructure under National e-Governance Action Plan (NeGP). It is a shared scheme between State and Central Governments as per the State Data Centre(SDC) Guidelines of Department of Information Technology (DIT), Government of India (GOI), at an estimated cost of Rs.60.80 crores (GOI share Rs.55.80 crores & State Share Rs.5.00 crores). Tamil Nadu is the first State in the country to obtain the ISO/IEC 20000-1:2005 and 27001:2005 certification for the Data Centre operations and for Management of Information Security which is an important milestone in the operation of TNSDC.

TNSDC is housed at ELCOT, Perungudi Complex and is being maintained with a strict Service Level Agreement (SLA) for ensuring 24 X 7 operation. TNSDC is a highly secured infrastructure in which the Government departments can host their applications. Some of the Government applications which are operational in TNSDC are Tamil Nadu Health Systems

Project, Chennai Metro Rail Project, State Election Commission Electoral Roll project, Enterprise Resource Planning (ERP) for Priceless Fan, Mixie, Grinder and Priceless Laptop scheme etc.

### **National Knowledge Network (NKN)**

National Knowledge Network (NKN) is a national level high speed Network established by Government of India. NKN provides a common platform to the scientists, researchers, doctors, scholars and students to work together for advancing human development by connecting the academic institutions across India and the global scientific community. The bandwidth through NKN is being provided by Government agencies such as Bharat Sanchar Nigam Limited (BSNL), Powergrid Corporation of India Limited (PGCIL) and Railtel. NKN also provides Network platform for National e-Governance Projects (NeGP) for their roll out at national level.

The NKN consists of an ultra-high speed core, starting with multiple 2.5/10 Gigabits per second and

progressively moving towards 40/100 Gigabits per second (Gbps) connectivity. 1 Gbps speed line from NKN has been terminated in TNSDC with 100 Mbps Internet Connectivity.

Through the NKN connectivity , all the TNSWAN & TNSDC users can utilize 100 Mbps (Minimum) secured internet bandwidth of NKN, which is above the currently provisioned internet bandwidth of 34 Mbps (TNSWAN) and 32 Mbps (TNSDC), and also can access the applications that are hosted at the national level. The applications can be accessed through NKN at a very high speed internet bandwidth which is several times faster than the earlier speed.

### **Disaster Recovery Centre (DRC)**

The Tamil Nadu State Data Centre (TNSDC) enables the State Government and the Departments to host their applications and services on a common, redundant, secured and controlled environment, easing the process of integration and resource optimization. However risk pertaining to natural disaster such as Tsunami, earthquakes, floods etc, pose a herculean

challenge to any Data Centre and hence establishment of a Disaster Recovery Centre (DRC) becomes mandatory to ensure the business continuity of the departments which are providing e-services. ELCOT has been nominated as the implementing agency for setting up of Disaster Recovery Centre (DRC) in a phased manner.

## **CHAPTER-IV**

### **TAMIL NADU e-GOVERNANCE AGENCY**

Tamil Nadu e-Governance Agency (TNeGA), a State Nodal Agency and an intrinsic arm of Government was formed under Societies Act to support and drive all e-Governance initiatives of the Government. Tamil Nadu e-Governance Agency (TNeGA) is implementing the various e-Governance Projects under the National e-Governance Plan with the vision of making all Government services accessible to the common man in his locality through common service delivery outlets and ensures efficiency, transparency and reliability of such services at affordable costs. The TNeGA carries out State-wide Rollout of e-District Programme, State-wide Rollout of Common Service Centres (CSC), Capacity Building (CB) and Training, Tamil Nadu Geographical Information System (TNGIS) and development of State Portal.

### State-wide Rollout of e-District Programme

A pilot e-District Project is being implemented in six districts, namely Ariyalur, Perambalur, Coimbatore, Tiruvarur, Krishnagiri and The Nilgiris. Among the pilot e-Districts Krishnagiri, Perambalur and Ariyalur are operational. The following e-Services are delivered through the pilot programme.

Departments	Services
Revenue	1) Community Certificate 2) Nativity Certificate 3) Income Certificate 4) No Graduate Certificate 5) Deserted Woman Certificate
Social Welfare	6) Chief Minister's Girl Child Protection Scheme 7) Moovalur Ramamirtham Ammaiyar Ninaivu Marriage Assistance Scheme 8) Dr.Muthulakshmi Reddy Ninaivu Inter caste Marriage Assistance Scheme

Departments	Services
	9) EVR Maniammayar Ninaivu Marriage Assistance scheme for Daughter of poor widows 10) Dr. Dharmabal Ammaiyar Ninaivu Widow Re-Marriage Assistance scheme 11) Annai Theresa Ninaivu Marriage Assistance scheme for Orphan Girls
Backward Classes, Most Backward Classes and Minorities Welfare	12) Issuance of Post Matric Scholarship Scheme. 13) Educational Assistance to the students in Professional Courses 14) Educational Assistance to Graduate Students 15) Educational Assistance to Polytechnic Students



<b>Departments</b>	<b>Services</b>
Adi Dravidar and Tribal Welfare	16) Government of India Post Matric Scholarship for SC Students
	17) Government of India Post Matric Scholarship for ST Students
	18) State Post Matric scholarship for SC converted Christian Students
	19) Free education upto Degree level (Arts and Science)
	20) Free education up to PG level (Women - Arts and Science)

The 9 services pertaining to the BC, MBC and Adi Dravidar Scholarship schemes have been implemented throughout the State. The 11 services of Revenue and Social Welfare departments have been implemented in the Pilot Districts. More services of various departments are being identified and will be added to e-district programme and will be delivered through e-Services.

The Government of India under the National e-Governance Plan approved State-wide rollout of e-District programme. The remaining Districts of Tamil Nadu will be converted as e-Districts and existing e-Services as above will be extended to all the Districts. To augment State-wide rollout of e-District, suitable System Integrator (SI) will be selected.

#### **District e-Governance Society (DeGS)**

To oversee the implementation of e-District programme and other e-Services offered at District Level, the Government have ordered formation of District e-Governance Societies (DeGS) in all the Districts. Accordingly, 18 Districts have formed the District e-Governance Societies and remaining Districts are in the process of forming the DeGS.

#### **Common Service Centres**

Realizing the basic need of the common man, the Government has taken steps to provide all Government Services to the common man in his locality through

Common Service Centres (CSCs). As of now, 2706 centres which include Common Service Centres and Primary Agriculture Cooperative Credit Societies (PACCS) are delivering the services. More new Common Service Centres will be rolled out by the Service Centre Agency (SCA) through an open tender process.

### **Urban Common Service Centres**

The Urban Common Service Centres have been planned for delivering localised urban services to the citizens. These centres would be created at Chennai city and its sub-urban areas on a pilot basis. Data, Voice & Video services, Government Services and other private services will be identified and delivered through the Urban Common Service Centres. The Corporation of Chennai, the Nodal Agency for implementing the Urban Common Service Centre, is in the process of engaging Consultants to work out the modality for the implementation of the scheme.

### **State Portal/State Services Delivery Gateway (SSDG)**

The State Portal is a one stop access to the Information and e-Services of the Government and will be available anytime, anywhere. The development of the State Portal and the auditing by Standardisation, Testing and Quality Control (STQC) are in progress.

### **Web Ratna Award**

The Web Ratna Awards were constituted by the Ministry of Communications and Information Technology, Government of India, for exemplary initiatives/practices of various States/Union Territories in the realm of e-governance. Tamil Nadu Government has won the **Web Ratna Award - 2012** for overall web presence. The award in this category acknowledges the efforts of Government of Tamil Nadu for having displayed exemplary initiative in establishing comprehensive web presence.

## **Capacity Building**

Capacity Building Scheme is intended to develop IT expertise and skills at various levels of Government to achieve the following:-

- Bringing standardization and consistency across initiatives
- Change Management and training requirements
- Government Process Re-engineering
- Optimizing cost and resource utilization
- Leveraging external resources
- Implementing best practices followed elsewhere.

As part of the Capacity Building, the following Courses/Training programmes are undertaken progressively:-

- Basic IT orientation Training
- E-Governance Orientation training
- Soft Skills Training
- Hardware and Networking Courses
- Database Management Courses

- Internet Protocol version 6 (IPv6) Training
- Change Management Training
- Government Process Re-engineering Training
- Project Management Courses
- Application Software Training

For the year 2012-13, about 11,324 Government employees have benefited through these training programmes.

## **State e-Governance Mission Team (SeMT)**

A State e-Governance Mission Team (SeMT) comprising a group of IT Consultants is functioning under IT Department. The SeMT Consultants are facilitated for handholding the Departments in e-Governance initiatives. The Consultants act as an internal advisory body to the State Departments and help departments to create a department level Information and Communication Technology (ICT) Roadmap and advise in the areas of Program, Technology, Financial and Change Management.

### **Tamil Nadu Geographical Information System (TNGIS)**

The Government of Tamil Nadu has proposed to implement Tamil Nadu Geographical Information System (TNGIS) which involves development and implementation of standardised District and State Level GIS applications for planning and monitoring processes in all the districts of Tamil Nadu using natural resources, socio-economic, demographic and agro-economic data from different sources. Rs.43.50 Lakhs has been sanctioned for supply of hardware and hosting requirements of TNGIS. Information Technology Dept. will work in close coordination with the departments to implement this programme.

### **CHAPTER-V**

#### **E-GOVERNANCE INITIATIVES FACILITATED BY IT DEPARTMENT**

1) **Chief Minister's Award for Excellence in e-Governance for Government Departments**

Government of Tamil Nadu has ordered that as a mark of recognition and encouragement, the departments which strive towards the task of successfully implementing e-Governance initiatives will be awarded with the "Chief Minister's Award for Excellence in e-Governance" every year. The nominations received from various Departments were scrutinized and are under consideration.

2) **Chief Minister's Award for Excellence in e-Governance for Students**

Government of Tamil Nadu has ordered that in order to create an awareness on e-Governance among the youth, students and e-Governance enthusiasts, a competition for development of innovative e-Governance

software applications will be held every year and the winners will be honoured with the “Chief Minister’s Award for Excellence in e-Governance for Students”. In this regard, nominations have been received from the students and finalisation of awards is under progress.

### 3) **Facilitation for Mission Mode Departments**

The Government departments have been implementing IT projects for the past 10 years. For delivering the services to the citizens, the Government of Tamil Nadu has prioritised the services of 14 Departments as State Mission Mode Departments (MMDs). The Information Technology Department is facilitating the support infrastructure namely Tamil Nadu State Data Centre (TNSDC), Tamil Nadu State Wide Area Network (TNSWAN) and Common Service Centres (CSC) for enabling electronic delivery of services.

ELCOT and TNeGA are involved in providing technical guidance and project implementation support for the Mission Mode Departments. The support activities being carried out in some of the Mission Mode Departments are given below.

Sl.No.	Projects	Implementation Support
1.	Agriculture (AGRISNET)	ELCOT provided implementation support for Farmer Crop Management System. About 720 nos. of Android based Tablets have been issued to the Agriculture Department staff for capturing the crop details at the field.
2.	Health (HMS & HMIS)	1) The Health and Family Welfare Department implemented Hospital Management System (HMS) and Health Management Information System (HMIS) in 267 Hospitals and 1613 Primary Health Centres to update health records. More than 10000 hospital users are operating the system.

Sl.No.	Projects	Implementation Support
		<p>2) ELCOT procured and installed Servers, desktop PCs and Networking of all Hospitals.</p> <p>3) ELCOT is providing managed services for the HMS and HMIS applications at the State Date Centre.</p>
3.	Registration (STAR & REGINET)	<p>1) The Registration department implemented Simplified and Transparent Administration of Registration (STAR) which is backend software at Sub Register Office level managed by about 2000 department users.</p> <p>2) ELCOT implemented Registration Network (REGINET) project which facilitates Guideline value, online application processing</p>

Sl.No.	Projects	Implementation Support
		for Encumbrance Certificate (EC) and Marriage Registration managed by 600 department users. The project has been implemented and maintained by ELCOT.
4.	Commercial Taxes (e-Filing)	<p>1) ELCOT on behalf of Commercial Taxes has implemented an application software for Territory management and Check-post management. The facility management support of the application is provided.</p> <p>2) About 3 lakhs dealers have been registered and 100% e-Filing is carried out.</p> <p>3) The application is managed by 1000 department users.</p>

SI.No.	Projects	Implementation Support
5.	Employment and Training (TN Velaivaippu)	<p>1) ELCOT on behalf of Employment and Training has implemented online Employment portal automating 48 Employment Exchanges. The Portal facilitates online Registration and renewal for the students.</p> <p>2) The portal has been re-engineered for automatic registration of 10<sup>th</sup> and 12<sup>th</sup> students linking with Government examination department database. Student details are updated from Schools covering 11.6 lakhs students every year.</p>

SI.No.	Projects	Implementation Support
6.	Transport Department	ELCOT is operating the Driving Licence centres in 90 Regional Transport Offices. About 15 lakhs Driving Licences are issued every year.
7.	Police (CCTNS)	ELCOT is State Project Management Consultant (SPMC) for the Crime and Criminal Tracking Network System (CCTNS) of Police Department.
8.	Civil Supplies (Family Card Management)	<p>1) ELCOT implemented Web based Family Card Management Software. The Family Card software is enabled for all Taluks and printing of the cards is undertaken at the Districts.</p> <p>2) ELCOT installed Global System for Mobile Communication (GSM)</p>

Sl.No.	Projects	Implementation Support
		/General Packet Radio Service (GPRS) based Handheld billing at about 1700 ration shops. The real time billing and data updation is carried out.
9.	Treasuries and Accounts	ELCOT has facilitated IT Consultancy Services at a cost of Rs.1 crore for implementation of Integrated Financial Management System and Human Resource Management System.
10.	Municipalities	ELCOT has implemented Municipal e-Governance System in Corporation of Chennai. The Property Tax Management, Works Management, Stores, Accounting functions and Grievance Reddressal system have been implemented. The software is managed by 1000 users.

Sl.No.	Projects	Implementation Support
11.	Revenue	TNeGA has implemented e-District application software for delivery of Revenue Certificates. This has been implemented in 4 Districts (Krishnagiri, Perambalur, Tiruvannamalai and Ariyalur).
12.	Social Welfare	TNeGA has implemented e-District application software for delivery of Marriage Assistance Schemes. This has been implemented in 4 Districts (Krishnagiri, Perambalur, Tiruvannamalai and Ariyalur).

#### 4) Online Demonstrative Services Directory

Government of Tamil Nadu announced that an "Online Demonstrative Services Directory" will be created which will contain the name of the e-Services, Website address, Links to the Services and a demonstrative user guide. An implementing Agency has been selected, the



System Requirements have been prepared and development is in progress.

**5) Scheme Monitoring Software**

Government of Tamil Nadu has announced that in order to measure the effectiveness of the schemes and to improve the reach of the benefits to the public, a “Scheme Monitoring Application Software” will be implemented. This tool will enable the Departments to review and monitor the progress of the schemes on a real-time basis and take decisions. An implementing Agency has been selected, the System Requirements have been prepared and development is in progress.

**6) IT Security Auditing**

Government of Tamil Nadu announced that in order to protect the Government websites and IT applications from defacement and hacking, IT Security Auditing of the websites and IT applications will be conducted in a phased manner. ELCOT has empanelled Security Audit agencies and as of now, Security Audit has been

completed in the following departments’ applications and websites.

1. Chennai Metro Rail Ltd
2. Corporation of Chennai
3. Directorate of Government Examinations
4. Electricity Regulatory Authority
5. Tamil Nadu Civil Supplies Corporation
6. Tamil Nadu Forest Department
7. Tamil Nadu Health Systems Project
8. Tamil Nadu Public Service Commission
9. Tamil Nadu Slum Clearance Board
10. Treasuries and Accounts Department

The Security Auditing is a continuous effort and respective departments are undertaking the work.

**7) E-Learning Content for Government Employees**

Government of Tamil Nadu constantly focuses on improving employees’ skills in order to gear up for large scale e-Governance implementation in the State. To meet the increasing need for Capacity Building requirements, the Government of Tamil Nadu announced to implement

e-Learning solution which refers to the online training to the participants. This system will also act as a repository for training materials and the users can access them regardless of time and place. This system provides the flexibility of attending the training courses at their convenience. Administrative approval has been accorded for the scheme and further action is under progress.

#### **8) Redesigning of the Departmental Applications**

All the Departments have taken e-Governance initiatives over different periods of time and have implemented their applications and have been using them for a long time. Such applications were developed using different platforms and technologies. However, some systems were standards based but many systems are still legacy in nature. Recently the Civil Supplies, Commercial Taxes, Health, Police, Registration and Treasuries & Accounts departments have taken up initiatives to re-engineer their processes and to implement integrated systems.

Government of Tamil Nadu has announced that other departments which intend to take up e-Governance projects will re-engineer their processes and redesign their applications so as to integrate with State Data Centre, Tamil Nadu State Wide Area Network (TNSWAN) and State Portal / State Services Delivery Gateway (SSDG). Detailed guidelines have been issued in this regard.

#### **9) E-Governance Workshops**

##### **9.1 E-District Regional Workshop**

Government of Tamil Nadu hosted a Regional Workshop on State-wide Rollout of e-District programme at Chennai on 16/10/2012. The focus of the workshop was to discuss and understand the e-District approach, implementation strategy and plans of States to enable completion of project in a time bound manner by aligning to the e-District Integrated Framework for delivery of services. The IT Departments of Andaman & Nicobar Islands, Andhra Pradesh, Karnataka, Kerala and Pondicherry States have participated in the Workshop.

## **9.2 Leadership Meet**

Department of Electronics & Information Technology (DeiTy), Government of India approved the specialized training programme called “e-Governance Leadership Meet” to policy making bodies as a part of Capacity Building scheme. The “e-Governance Leadership Meet” aims to sensitize policy level personnel for their support and commitment in taking e-Governance projects forward for integrated delivery of various Government services to the citizens. Government of Tamil Nadu has organized “e-Governance Leadership Meet” at Chennai on 14/12/2012.

## **10) e-Governance Awareness Campaign**

The e-Governance Awareness Campaign sets new approach and new strategies in the use of Information and Communication Technology for improved public service reforms. The Awareness Campaign has been conducted for 702 students studying in the Government Higher Secondary Schools in 5 Districts (Vellore, Tiruvannamalai, Krishnagiri, Dharmapuri and The Nigiris Districts) at Block

level. The Basic IT, Awareness on e-Governance, Vision, Awareness on Services Delivery, e-Services and Common Service Centres have been covered during the Campaign.

It is proposed to convene a State level Awareness Workshop on e-Governance to the State Government Officials, Public Sectors, e-Governance Heads in Government departments and senior decision makers in Chennai.

A Block Levels Awareness Campaign will be conducted in the four Districts (Coimbatore, Trichy, Vellore and Tirunelveli) to the Community Based Organizations, Non-Governmental Organizations, Self-Help Groups, students and citizens.

## **11) Citizen Contact Centre**

Citizen Contact Centre (CCC) is a Government of India funded initiative to be established to help the public on non emergency Government to Citizen (G2C) services of various departments at the State Level as a pilot project. While other channels of delivery are implemented by various departments, this shall provide the advantage of greater accessibility to the public due to high

penetration of telecom and mobile services in rural parts through a single unique phone number. The Detailed Project Report (DPR) has been submitted to Government of India for obtaining approval for establishing Citizen Contact Centre at Chennai. Government of India envisages funding the project for 3 years after which the State would have to operate Citizen Contact Centre at its own cost.

## **CHAPTER – VI**

### **ICT ACADEMY OF TAMIL NADU**

ICT Academy of Tamil Nadu (ICTACT) is a joint initiative of Government of India, Government of Tamil Nadu and Industries. ICTACT is a not for profit autonomous organization focusing to improve the quality of students graduating from various institutions in Tamil Nadu, to make them industry ready and immediately employable in the ICT industry. ICTACT is governed by an autonomous Board of Governors with representations from the State Government of Tamil Nadu and the leading companies in the ICT industry. ICTACT is a pioneering venture under the Public - Private - Partnership (PPP) model that endeavours to train the higher education teachers and students in the areas of Information & Communication Technology, thereby making the students industry ready.

During the year 2012-13, ICTACT has actively pursued the following initiatives:-

- Trained 1352 Higher Education Faculty members from 650 institutions in the State.
- Conducted 70 Faculty Development Programmes.
- Assessed and certified 3500 students on Basic Computer Course (BCC) as approved by Government of India.
- Published 98 research articles in its 3 ICTACT International Research Journals.
- Conducted 12 Technical Seminars (Power Seminars) for students and conducted 12 Conferences & Conclaves for Academicians.
- Training 5000 students in the Government Arts and Science Colleges and Engineering Colleges on IT Skills Employability through Tamil Nadu Skill Development Mission.

### **ICTACT INTERNATIONAL RESEARCH JOURNALS**

ICT Academy of Tamil Nadu has been publishing three peer reviewed International Journals published on quarterly basis.

- Journal on Communication Technology
- Journal on Soft Computing
- Journal on Image and Video Processing

With the objective of creating Indian-based Journals of International quality and to build up local research content, ICTACT Journals exist for the purpose of providing a quality peer-reviewed platform for Scientists, Researchers, Academicians and Engineers who carry out their original research. In the year 2012, ICT Academy of Tamil Nadu has published 98 articles under its 3 international Journals. All ICTACT Journals have been indexed by Index Copernicus TM, an online database of user-contributed information with an Index Copernicus Value (ICV) of 5.09.

### **ICTACT CONFERENCES, CONCLAVES AND SEMINARS**

- During 2012-13, ICT Academy has conducted 3 ICTACT BRIDGE conferences in Chennai, Coimbatore and Madurai.
- ICTACT has conducted 9 conclaves in the year 2012-13.
- ICT Academy of Tamil Nadu has conducted 12 power seminars for students in the year 2012-13.

- ICTACT has supported 7 collaborated conferences both in the national and the international level in the year 2012-13.

### **IT SKILLS TRAINING FOR 5000 GOVERNMENT COLLEGE STUDENTS**

Tamil Nadu Skill Development Mission (TNSDM), under the scheme of Implementation of Employable Skills training has approved the project on training 5000 students in the Government Colleges across Tamil Nadu on IT Skills & Soft Skills. The training includes 2500 students from the Government Engineering Colleges and 2500 Students from the Government Arts & Science Colleges. ICT Academy of Tamil Nadu has been approved to implement this training programme to the proposed 5000 graduating students in the Government Colleges across the State. ICTACT is implementing this training programme in association with leading IT/ITES Companies in the State.

## **CHAPTER – VII**

### **TAMIL VIRTUAL ACADEMY**

#### **1. TAMIL VIRTUAL ACADEMY – VISION**

The Tamil Virtual Academy aims at providing Internet-based resources and opportunities for the Tamil communities living in different parts of the globe as well as others interested in learning Tamil, Science, Technology, Tamil Computing software and acquiring knowledge of the history, art, literature and culture of the Tamils and to identify, establish, maintain and promote the solutions for the Tamil computing requirements of Tamil Diaspora, Government, Educational, Media and Business institutions.

#### **2. ACADEMIC PROGRAMMES**

- ❖ Tamil Virtual Academy is providing Academic Programmes like Primary Education, Certificate Course, Diploma, Higher Diploma courses and Degree B.A. (Tamilology).

- ❖ So far, 13,409 candidates from 70 Countries have registered for different courses
- ❖ 2,649 certificates, 29 higher certificates, 250 Diplomas and 135 Higher Diplomas and 132 Degrees were awarded.
- ❖ These Academic Programmes are provided through 59 Study Centres in 17 countries worldwide.
- ❖ CD's for Primary, Basic, Intermediate and advanced level lessons, Learn Tamil, Thirukural and Technical Glossary have been prepared and released for the benefit of students.
- ❖ In Virtual class room, lessons for learning Tamil and Video lectures for B.A. Tamilology class are available.
- ❖ Now, learning of French through Tamil lectures is under progress.
- ❖ All these are available in <http://www.youtube.com> also.

### **3. DIGITAL LIBRARY**

Books on Literature, Commentaries, Dictionaries, Tamil Technical Glossaries, Cultural and Suvadi (Palm Leaf) galleries are made available in the Digital Library of Tamil Virtual Academy (TVA) website. This is expected to benefit the students registered for various courses of TVA and also for others.

### **4. TAMIL SOFTWARE DEVELOPMENT**

The Tamil softwares developed under Tamil Software Development Fund (TSDF) are Tamil Optical Character Recognition (OCR), Tamil Handwriting, Electronic Dictionary, Tamil Corpus Analysis and Intelligent Information Retrieval of Thirukkural in Handheld Devices. Predictive Text Software Design for Tamil is under progress. Further, many Tamil Softwares are being developed under TSDF.

## **5. STANDARD FONTS**

The Government of Tamil Nadu has declared Unicode and TACE-16 as its standards. Tamil Fonts and required Key Board Drivers are developed and made available for free use by all.

## **6. PUBLICATION OF TECHNICAL GLOSSORY**

About 2,50,000 technical terms compiled by various Universities have been reviewed, grouped according to the subjects and published in 14 volumes. Now Technical Glossary is released in CD form also.

## **7. TAMIL NADU DATABASE WEBSITE**

A sum of Rs.12,00,000/- (Rupees Twelve Lakhs only) each, has been sanctioned to Tamil Virtual Academy and Tamil University, Thanjavur for the Development and Research of Tamil, Tamilians, Language, Literature, Arts, Geographical and Historical towns, Rivers, Mountains, Festivals, Ancient names, Trees, Plants, Animals, Temples, Sculptures, Paintings etc. The total data information collected by Tamil

University, Thanjavur will be developed and hosted as, "Tamil Nadu Database Website", by Tamil Virtual Academy. At present the Project is under progress with the uploading of 52,690 palm leaf manuscripts given by Tamil University, Thanjavur.

## **8. TAMIL COMPUTING LAB**

The Tamil Virtual Academy has set up a Tamil Computing Lab for providing a base for research and development of Tamil Softwares. Annotated corpus, syntactically and semantically annotated corpus for Tamil literature and an e-Dictionary are developed now.



## **CHAPTER – VIII**

### **TAMIL NADU ARASU CABLE TV CORPORATION LIMITED (TACTV)**

Arasu Cable TV Corporation was incorporated on 04.10.2007 with the objective of providing high quality cable TV signals to the public at an affordable cost. In order to achieve this objective, 4 Digital Head Ends were installed at Thanjavur, Tirunelveli, Coimbatore and Vellore.

After assuming office in May 2011, the Hon'ble Chief Minister of Tamil Nadu revived the Arasu Cable TV Corporation which had become defunct due to various reasons and sanctioned a sum of Rs.3 Crores for the revival and expansion of the activities of the Corporation. The Corporation was renamed as Tamil Nadu Arasu Cable TV Corporation Limited (TACTV).

Tamil Nadu Arasu Cable TV Corporation Ltd has taken on lease the Head Ends of the willing private Multi System Operators in 27 Districts of the State and revamped its existing four digital Head Ends in 4 Districts.

On 30.8.2011, the Hon'ble Chief Minister of Tamil Nadu had announced on the floor of the Assembly that Tamil Nadu Arasu Cable TV Corporation would provide quality services at an affordable cost of Rs.70/- as monthly subscription to the subscribers through the Cable TV operators and Tamil Nadu Arasu Cable TV Corporation would collect Rs.20/- per month per subscriber from the cable Operators.

The Hon'ble Chief Minister of Tamil Nadu launched the cable TV services all over Tamil Nadu (except Chennai) on 02.09.2011 by switching-on the Head End at Vellore through Video Conferencing. On 20.10.2012, the Hon'ble Chief Minister inaugurated the Cable TV Services of TACTV in Chennai Metro.

The Tamil Nadu Arasu Cable TV Corporation is providing quality Cable TV services at an affordable cost of Rs.70/- per month with 90-100 channels and the response from the Cable operators and the public were overwhelming. More and more cable operators and the general public have started coming into the fold of Tamil Nadu Arasu Cable TV Corporation and are using the signals of TACTV Corporation.

It is evident from the fact that the subscriber base of TACTV Corporation which was 4.94 lakhs on 02.09.2011 has risen to 61,54,531 on 31.03.2013 with an Operator base of 24,300. Tamil Nadu Arasu Cable TV Corporation is taking necessary steps to increase the subscriber base to One Crore.

At present TACTV is providing the Cable TV services with 90-100 Channels, including Free-to-Air Channels, Pay Channels and Private Local Channels. The Corporation has procured 137 Pay Channels and almost all the Pay Channels are in the bouquet of the Corporation.

Before TACTV's arrival, the Cable TV sector was totally unorganized and a few Multi System Operators had created monopoly and thereby forced the local Cable TV operators as well as the public to pay exorbitant amount towards cable TV services. Earlier, the public were paying Rs.150 to Rs.250 per month to the private Cable TV companies to avail the Cable TV service.

The service being provided by the TACTV Corporation is a welfare step taken by the Government, in

the interest of the public and Cable TV operators. Now TACTV Corporation is providing the cable TV services with most of the pay channels, at an affordable cost of Rs.70/- per month, to the public through cable operators and the public could save a sum of Rs.80 to Rs.180 per month. Therefore, the public have overwhelmingly welcomed TACTV's Cable TV services.

Tamil Nadu Arasu Cable TV Corporation Ltd has selected 1200 Private Local Channels and issued allotment orders, out of which approximately 800 Private Local Channels are running through TACTV.

### **Inauguration of Cable TV Services in Chennai**

On 20.10.2012, the Hon'ble Chief Minister inaugurated the Cable TV Services of TACTV in Chennai Metro. TACTV is now providing Analog Signal to the Local Cable Operators in Chennai Metro Area and is taking necessary steps to provide Digital Signals also.

The Tamil Nadu Arasu Cable TV Corporation Ltd is providing 100 channels with quality and clarity to the subscribers in Chennai Metro Area also through the Local

Cable Operators at an affordable cost of Rs.70/- per month.

### **Digitalisation**

Ministry of Information & Broadcasting, Government of India, had issued MSO Licence to the Tamil Nadu Arasu Cable TV Corporation in the Conditional Access System (CAS) areas of Chennai Metro. The entire Cable TV Services in the Country are to be digitalized within a time frame i.e., by 31.12.2014 as per the Cable TV Network Amendment Act, 2011.

In the first phase, four Metros including Chennai were to be digitalized. TACTV Corporation has applied for MSO Licence for the DAS notified areas of Chennai Metro, on 05.07.2012 and it is pending with the Ministry of Information & Broadcasting, Government of India.

### **Steps taken by TACTV for Digitalisation of Chennai**

TACTV is taking necessary steps to digitalise the Cable TV Services in Chennai. TACTV has invested Rs.20.72 Crores towards upgrading of Digital Control

Room, purchase of Set Top Boxes, Conditional Access System (CAS), Subscriber Management System (SMS) and other items required for establishment of Control Room at Chennai.

In Chennai Metropolitan Area, 2,577 Local Cable TV Operators with a subscriber base of around 14,66,336 have registered online with TACTV, expressing their willingness to join TACTV. 1223 Local Cable TV Operators have registered with TACTV requesting to supply the Set Top Boxes.

The TACTV Corporation will provide cable TV services in Digital mode in Chennai Metro Area, as soon as the Digital Addressable System (DAS) Licence is issued to TACTV.

## **CHAPTER – IX**

### **NEW SCHEMES FOR THE YEAR 2013-14**

#### **Establishing a Tamil software incubation centre**

A Tamil software incubation centre, with all facilities including Computer Hardware, Software and other tools and services required for the development of Tamil software will be established by Tamil Virtual Academy. This centre will help research, experiment, develop and reach out to the world with new Tamil softwares. A sum of Rs.50 Lakhs has been allocated to Tamil Virtual Academy under Part II Scheme for the year 2013-14 for implementing this scheme.

#### **Mobile Service Delivery Platform**

Tamil Nadu is one of the most mobile penetrated States. In order to deliver e-Services over multiple channels and to leverage the high tele-density level in the State, setting up Mobile Service Delivery Platform at the State level is essential. This will function as the official SMS gateway for all Government To Government (G2G)

and Government To Citizen (G2C) communications. It will be an exclusive SMS Gateway established for use by various Government departments for intra and inter departmental communication. Initially, about 10 services of Revenue (Certificates) and Social Welfare (Marriage assistance) Departments under e-District programme will be covered under this platform. Once the delivery platform is standardised, then departments can interface their e-services through this delivery platform. A sum of Rs.20 Lakhs has been allocated under Part II Scheme for the year 2013-14 for implementing this scheme.

#### **Project Information Management System**

The Information Technology Department is the facilitator for e-Governance initiatives of the State and it plays an advisory role and in some cases, directly involves in implementation of e-Governance projects across the Departments. To monitor and control the project execution at the higher level, a centralized Project Information Management System is very much needed. This system will facilitate State level planning, reporting to the State and the Government of India and can be used for

research etc. The proposed system will interface with the existing systems available in the individual Departments on a near real time basis wherever the software application systems are available, otherwise to collect the input from the users for reporting purpose. This application will be hosted in the State Data Centre in a private cloud. This architecture will provide easy accommodation and integration with the system whenever new applications are developed by individual departments. A sum of Rs.22 Lakhs has been allocated under Part II Scheme for the year 2013-14 for implementing this scheme.

**Mukkur N. Subramanian**  
**Minister for Information Technology**